

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
 Data File : VW010414.D
 Acq On : 16 May 2019 20:55
 Operator : SY/VA
 Sample : VSTDICC150
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC150

Quant Time: May 17 08:46:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 08:39:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	971350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	1712795	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	1590157	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	748170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	1455413	140.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	280.54%	
35) Dibromofluoromethane	7.88	113	1424500	140.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	281.64%	
50) Toluene-d8	10.32	98	5469906	134.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.30%	
62) 4-Bromofluorobenzene	12.62	95	2135700	146.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	292.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	820850	108.467	ug/l	98
3) Chloromethane	2.22	50	1222815	127.076	ug/l	100
4) Vinyl Chloride	2.37	62	1450168	120.165	ug/l	99
5) Bromomethane	2.76	94	1016585	142.981	ug/l	97
6) Chloroethane	2.91	64	941776	134.784	ug/l	99
7) Trichlorofluoromethane	3.25	101	937424	152.491	ug/l	98
8) Diethyl Ether	3.67	74	714801	132.530	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	1234869	123.740	ug/l	100
10) Methyl Iodide	4.26	142	2075112	143.883	ug/l	98
11) Tert butyl alcohol	5.18	59	580827	771.917	ug/l	97
12) 1,1-Dichloroethene	4.03	96	1338285	128.331	ug/l	98
13) Acrolein	3.88	56	316250	362.368	ug/l	96
14) Allyl chloride	4.65	41	1655669	109.149	ug/l	99
15) Acrylonitrile	5.36	53	1663582	572.435	ug/l	99
16) Acetone	4.12	43	1346761	530.619	ug/l	100
17) Carbon Disulfide	4.37	76	3546501	114.439	ug/l	99
18) Methyl Acetate	4.66	43	890728	136.796	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	1832945	143.996	ug/l	99
20) Methylene Chloride	4.91	84	1382263	124.061	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	1477581	130.981	ug/l	98
22) Diisopropyl ether	6.31	45	4267963	140.589	ug/l	97
23) Vinyl Acetate	6.25	43	14923739	715.419	ug/l	100
24) 1,1-Dichloroethane	6.21	63	2564801	126.360	ug/l	99
25) 2-Butanone	7.17	43	2592153	645.396	ug/l	100
26) 2,2-Dichloropropane	7.16	77	1181971	117.098	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	1716465	145.315	ug/l	100
28) Bromochloromethane	7.51	49	1202718	155.052	ug/l	98
29) Tetrahydrofuran	7.52	42	1724336	660.563	ug/l	99
30) Chloroform	7.67	83	2679146	138.701	ug/l	99
31) Cyclohexane	7.95	56	2196307	107.193	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	1994070	133.286	ug/l	100
36) 1,1-Dichloropropene	8.07	75	2000530	111.440	ug/l	99
37) Ethyl Acetate	7.25	43	1124335	117.543	ug/l	100
38) Carbon Tetrachloride	8.06	117	2043835	129.090	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	2608131	118.177	ug/l	98
40) Benzene	8.32	78	5950035	119.712	ug/l	100
41) Methacrylonitrile	7.48	41	681816	126.838	ug/l	99
42) 1,2-Dichloroethane	8.40	62	1782483	124.528	ug/l	100
43) Isopropyl Acetate	8.42	43	2263484	138.535	ug/l	99
44) Trichloroethene	9.09	130	1679508	132.281	ug/l	100
45) 1,2-Dichloropropane	9.37	63	1496187	120.882	ug/l	98
46) Dibromomethane	9.46	93	877771	134.615	ug/l	100
47) Bromodichloromethane	9.64	83	2161438	137.559	ug/l	99
48) Methyl methacrylate	9.43	41	1040986	136.791	ug/l	99
49) 1,4-Dioxane	9.45	88	313048	2767.929	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	5977781	652.553	ug/l	99
52) Toluene	10.38	92	3992945	129.981	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	2315101	145.460	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	2571593	137.370	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	1280841	137.611	ug/l	99
56) Ethyl methacrylate	10.65	69	1881061	152.493	ug/l	99
57) 1,3-Dichloropropane	10.93	76	2145815	130.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	4368944	738.759	ug/l	99
59) 2-Hexanone	10.97	43	4261881	658.935	ug/l	99
60) Dibromochloromethane	11.13	129	1611113	157.147	ug/l	99
61) 1,2-Dibromoethane	11.23	107	1295694	144.200	ug/l	100
64) Tetrachloroethene	10.86	164	1434761	130.080	ug/l	99
65) Chlorobenzene	11.66	112	4346911	132.300	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	1606457	142.824	ug/l	99
67) Ethyl Benzene	11.73	91	7581101	127.242	ug/l	100
68) m/p-Xylenes	11.84	106	5966730	267.167	ug/l	99
69) o-Xylene	12.16	106	2931224	143.698	ug/l	98
70) Styrene	12.18	104	5165859	145.557	ug/l	98
71) Bromoform	12.35	173	975045	149.839	ug/l	99
73) Isopropylbenzene	12.46	105	7603072	140.201	ug/l	99
74) N-amyl acetate	12.27	43	2429141	169.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	1570688	131.939	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	2057010	240.265	ug/l #	100
77) Bromobenzene	12.75	156	1784511	143.568	ug/l	97
78) n-propylbenzene	12.80	91	8746220	131.815	ug/l	100
79) 2-Chlorotoluene	12.90	91	5240832	137.232	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	6446824	140.595	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	593632	153.204	ug/l	98
82) 4-Chlorotoluene	12.99	91	5563311	139.169	ug/l	99
83) tert-Butylbenzene	13.21	119	5407169	140.856	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	6468253	141.669	ug/l	99
85) sec-Butylbenzene	13.39	105	7584396	135.037	ug/l	100
86) p-Isopropyltoluene	13.50	119	6914034	138.356	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	3401002	138.268	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	3370357	137.419	ug/l	99
89) n-Butylbenzene	13.83	91	6676444	134.221	ug/l	99
90) Hexachloroethane	14.10	117	1384245	145.974	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	3120663	142.185	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	286322	132.137	ug/l	99

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QLast Update : Fri May 17 08:39:36 2019
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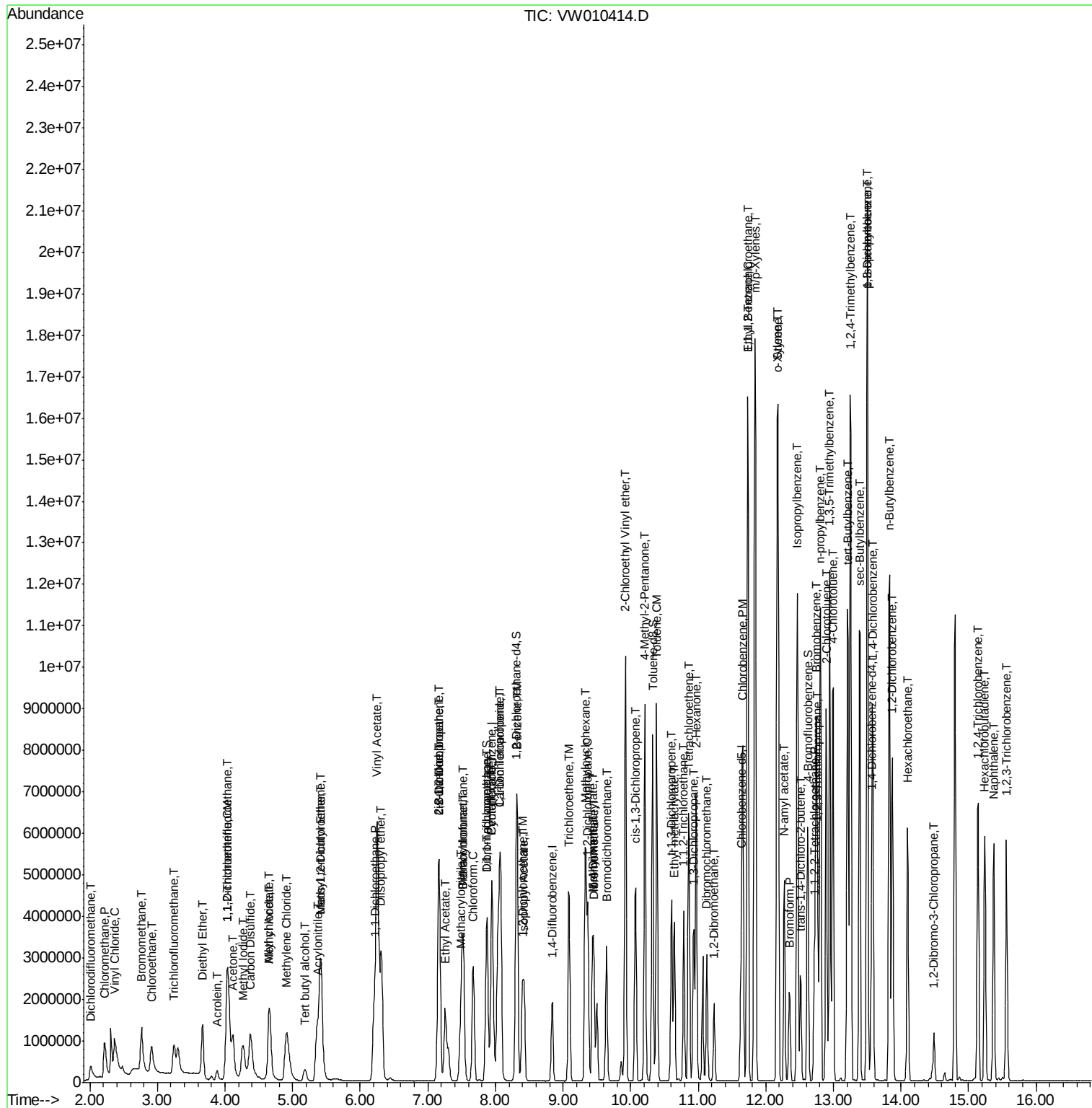
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	2173925	145.766	ug/l	98
94) Hexachlorobutadiene	15.24	225	1096288	118.406	ug/l	99
95) Naphthalene	15.37	128	4989485	160.700	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	1958601	144.952	ug/l	99

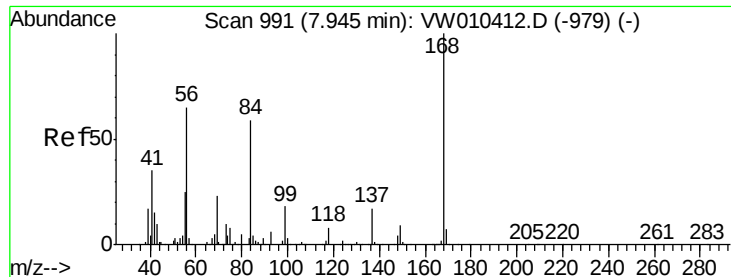
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW051619\
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Acq On : 16 May 2019 20:55
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Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: May 17 08:46:05 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

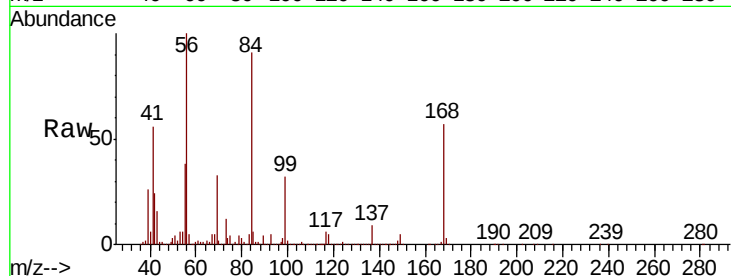
VSTDIC150

Tgt Ion:168 Resp: 971350

Ion Ratio Lower Upper

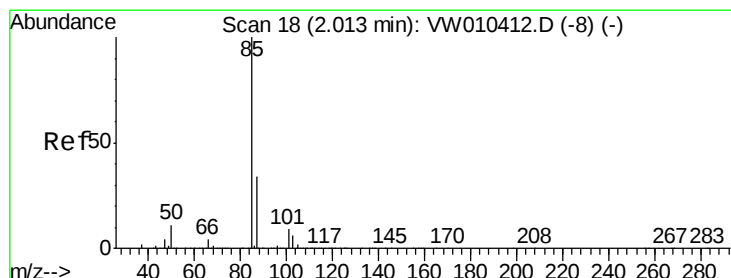
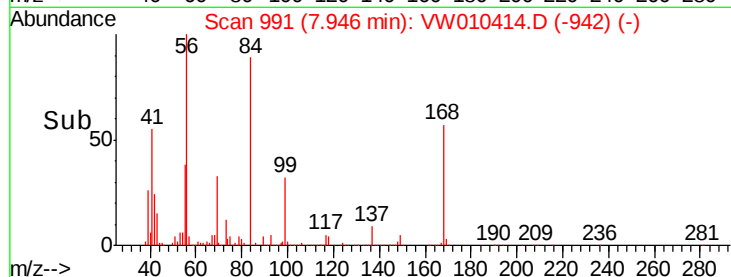
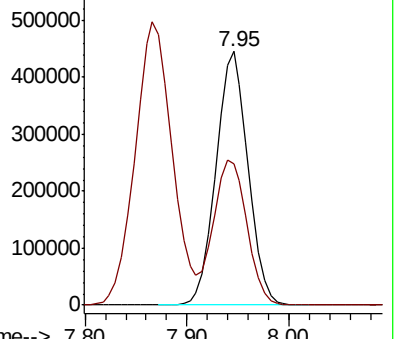
168 100

99 55.5 45.6 68.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 108.467 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW010414.D

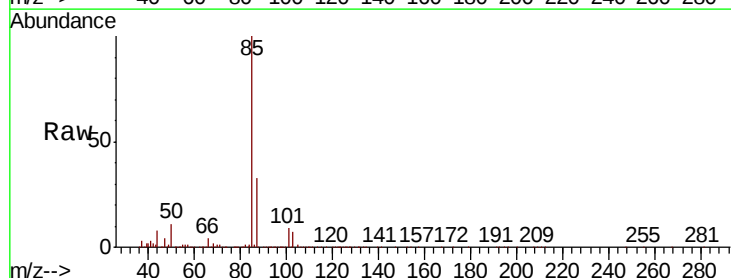
Acq: 16 May 2019 20:55

Tgt Ion: 85 Resp: 820850

Ion Ratio Lower Upper

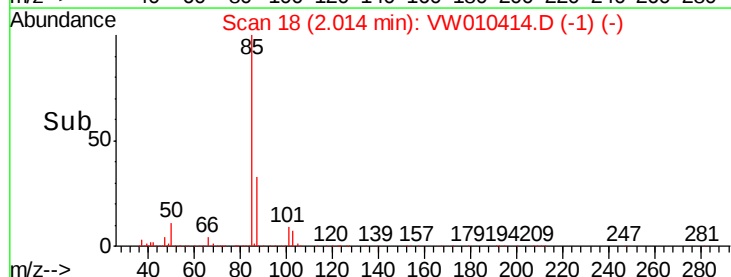
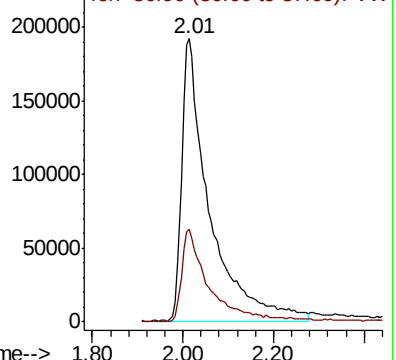
85 100

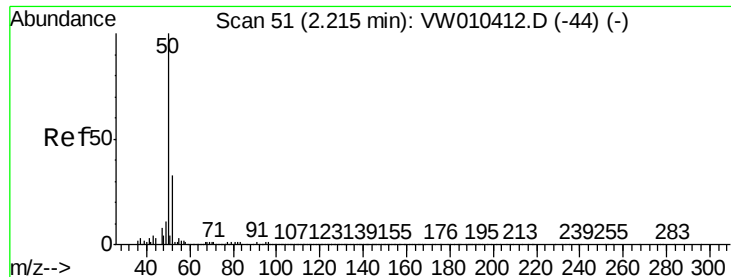
87 32.7 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 127.076 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

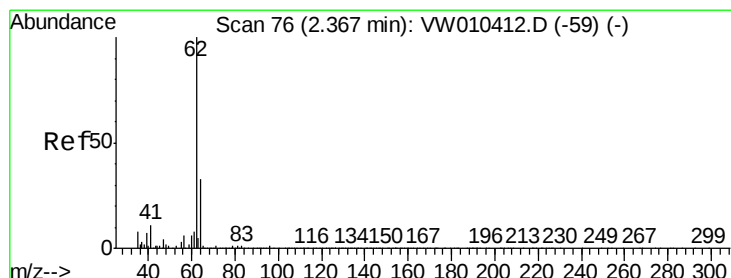
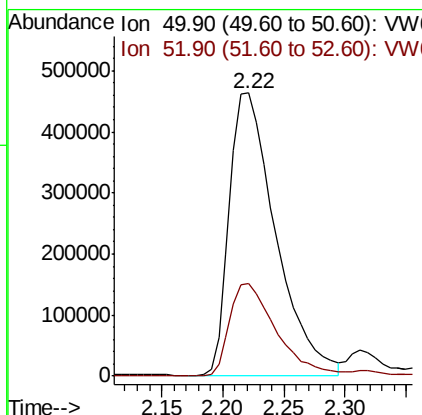
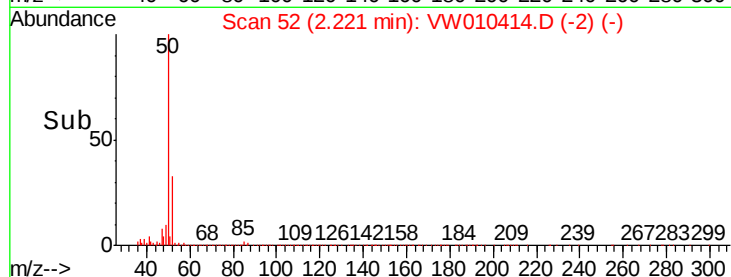
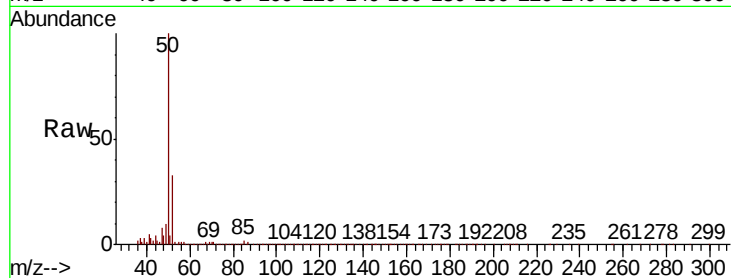
VSTDIC150

Tgt Ion: 50 Resp: 1222815

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.2



#4

Vinyl Chloride

Concen: 120.165 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW010414.D

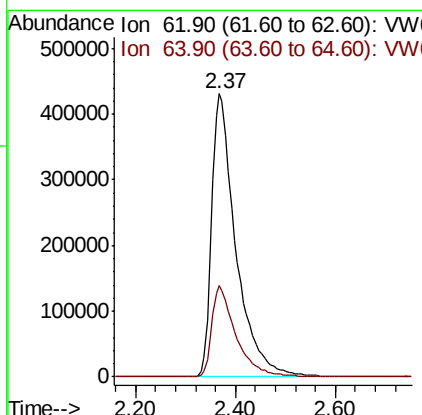
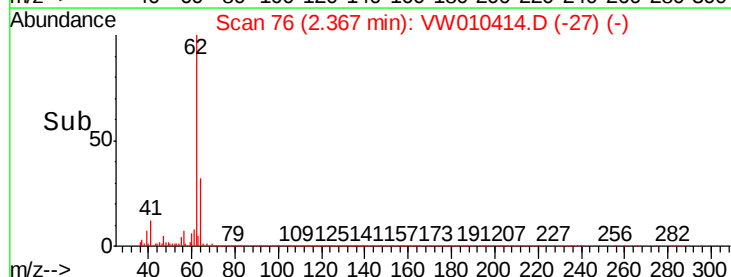
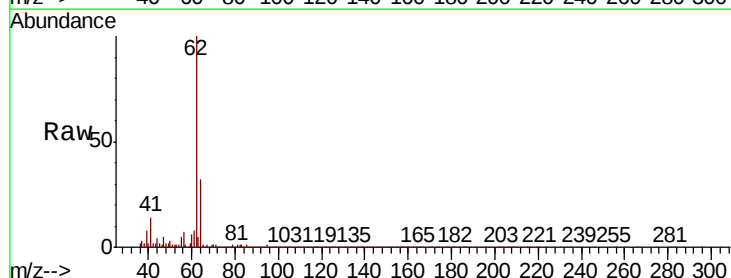
Acq: 16 May 2019 20:55

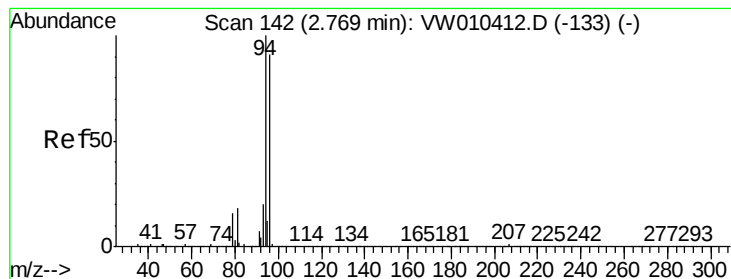
Tgt Ion: 62 Resp: 1450168

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 142.981 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

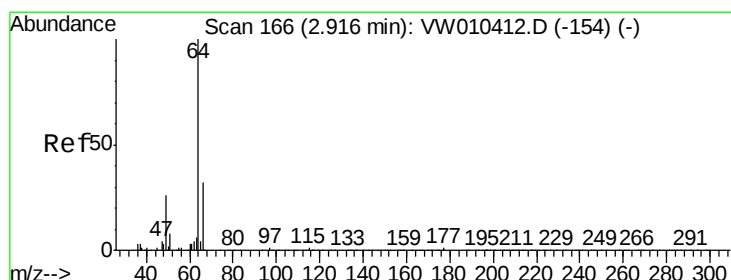
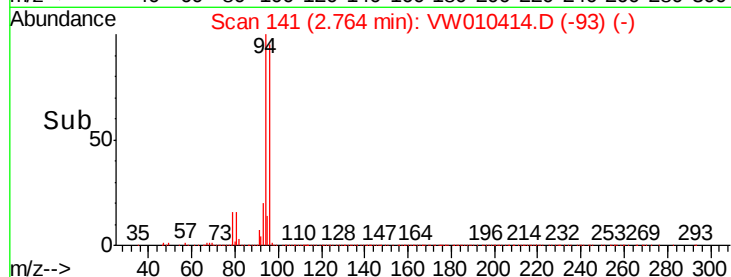
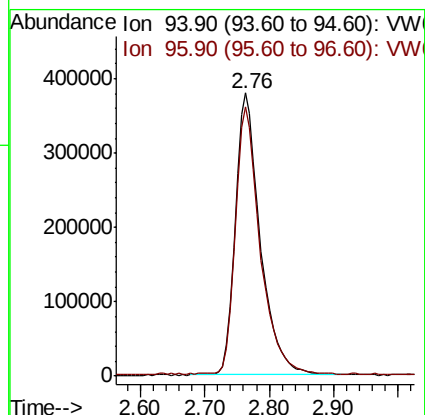
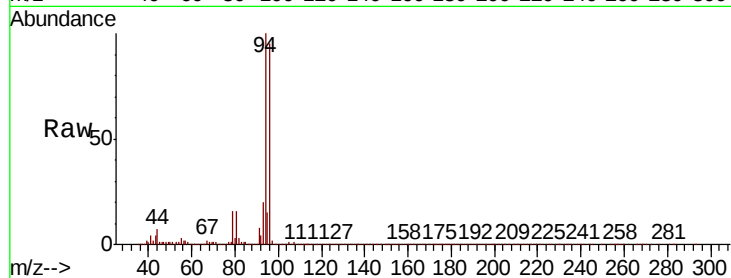
VSTDIC150

Tgt Ion: 94 Resp: 1016585

Ion Ratio Lower Upper

94 100

96 94.8 73.4 110.2



#6

Chloroethane

Concen: 134.784 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW010414.D

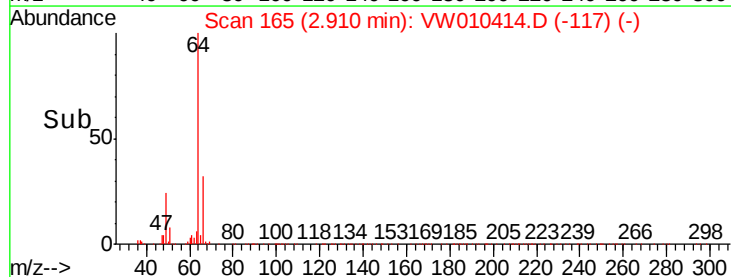
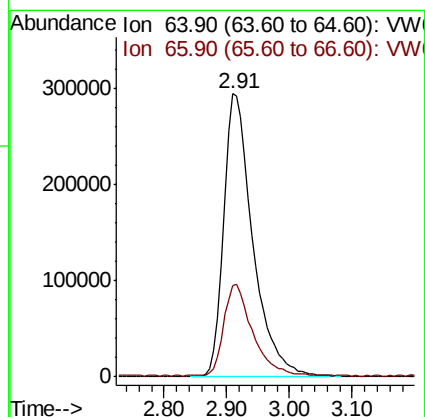
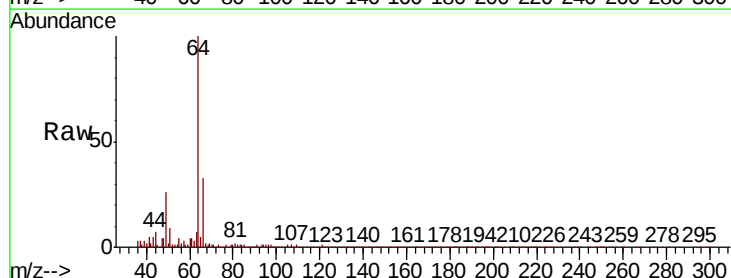
Acq: 16 May 2019 20:55

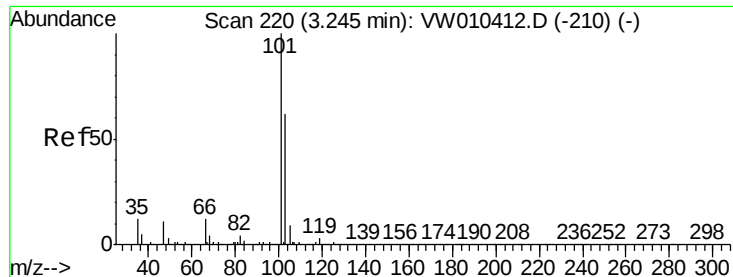
Tgt Ion: 64 Resp: 941776

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.0



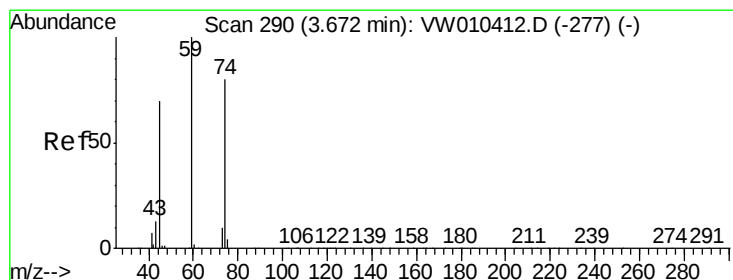
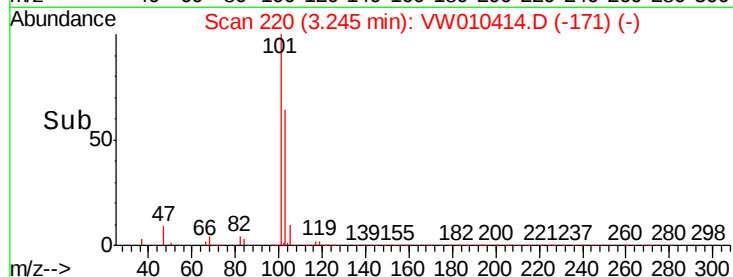
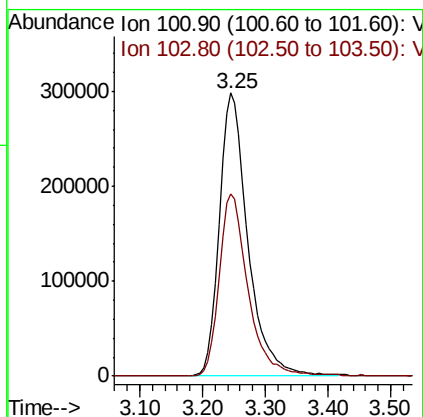
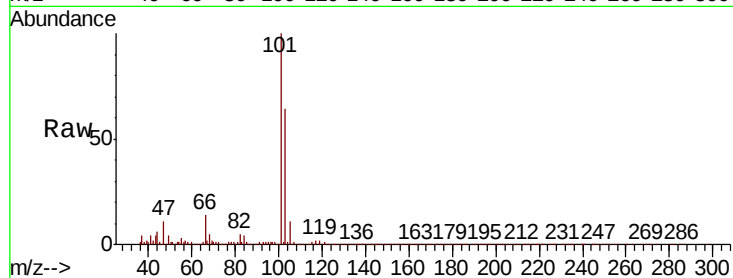


#7

Trichlorofluoromethane
Concen: 152.491 ug/l
RT: 3.25 min Scan# 220
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Instrument :
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VSTDIC150

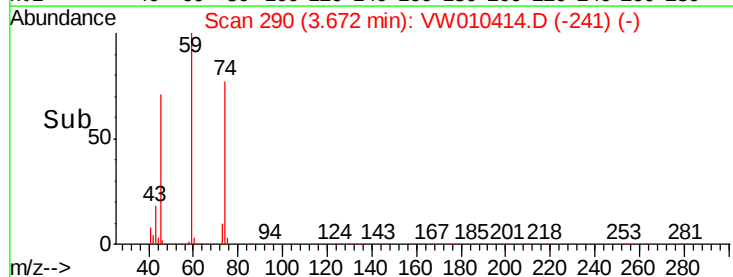
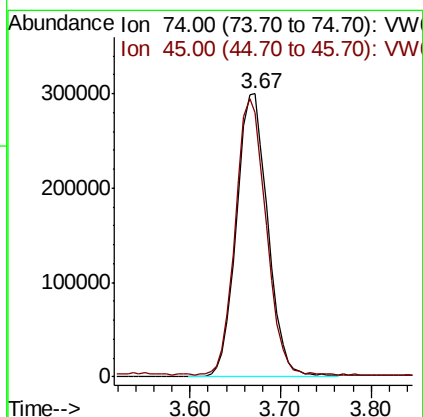
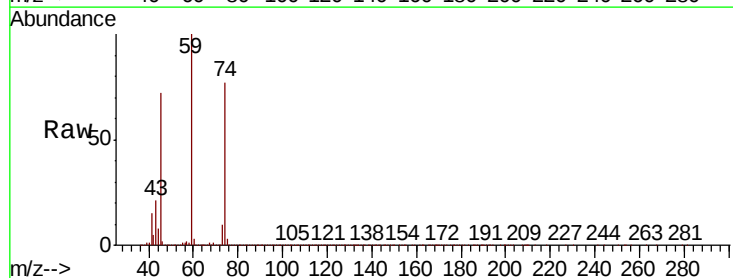
Tgt Ion:101 Resp: 937424
Ion Ratio Lower Upper
101 100
103 64.2 49.9 74.9

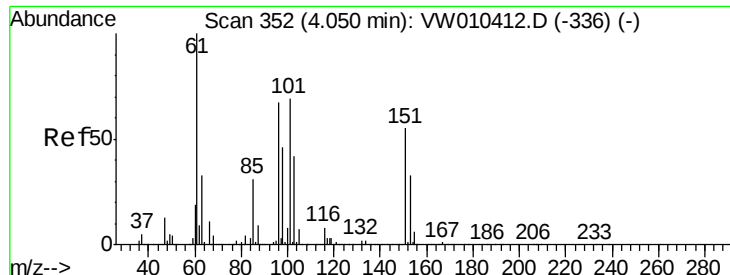


#8

Diethyl Ether
Concen: 132.530 ug/l
RT: 3.67 min Scan# 290
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 74 Resp: 714801
Ion Ratio Lower Upper
74 100
45 95.9 46.0 138.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 123.740 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

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VSTDIC150

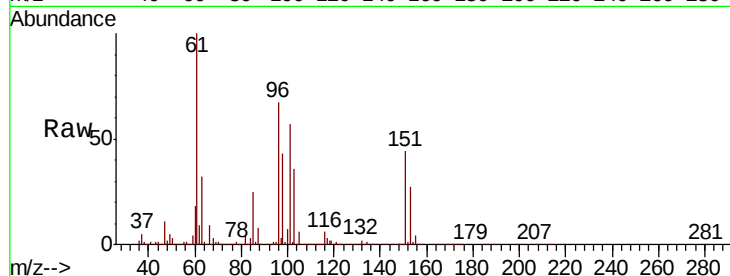
Tgt Ion:101 Resp: 1234869

Ion Ratio Lower Upper

101 100

85 43.1 35.0 52.4

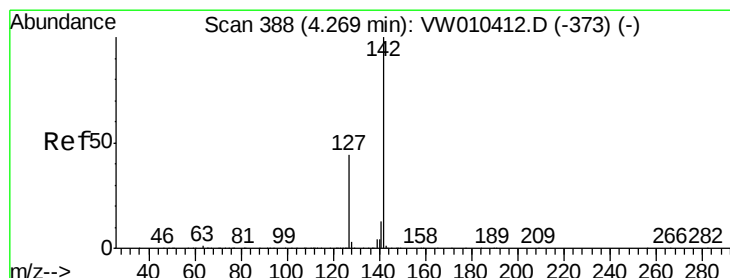
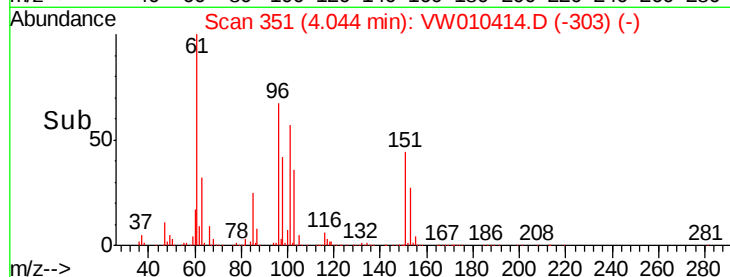
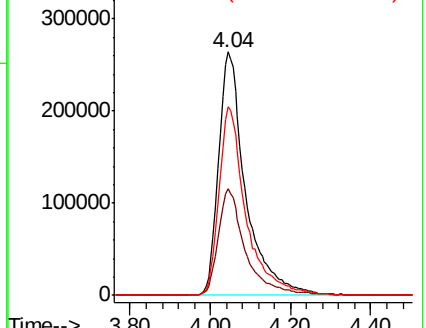
151 77.4 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 143.883 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

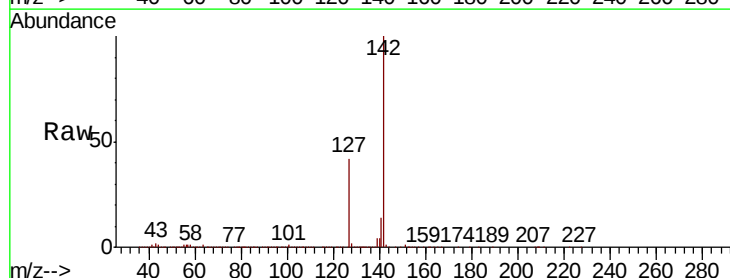
Tgt Ion:142 Resp: 2075112

Ion Ratio Lower Upper

142 100

127 42.0 34.5 51.7

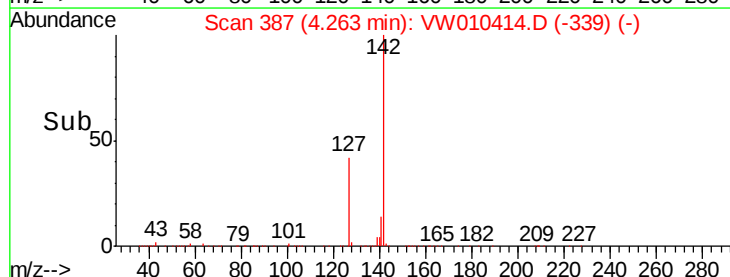
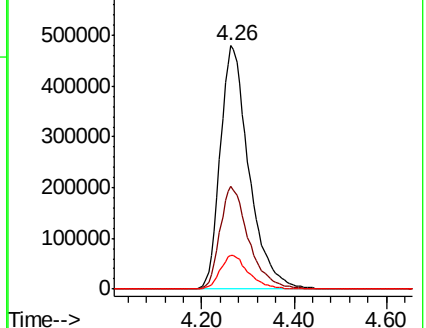
141 13.9 11.4 17.0

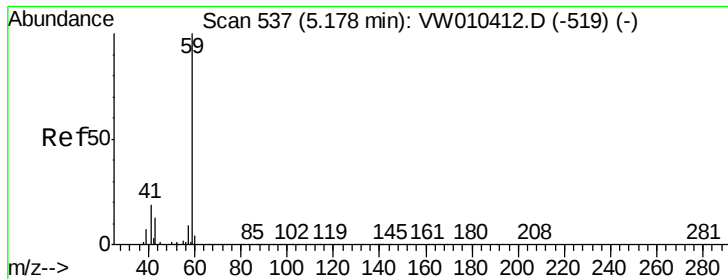


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

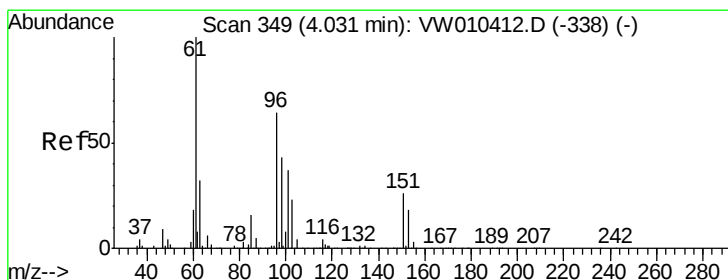
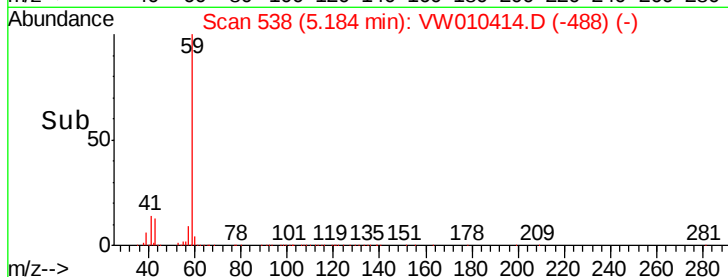
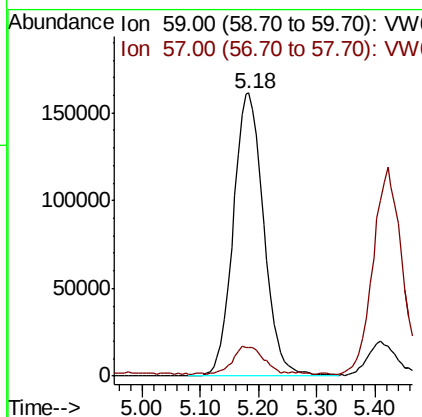
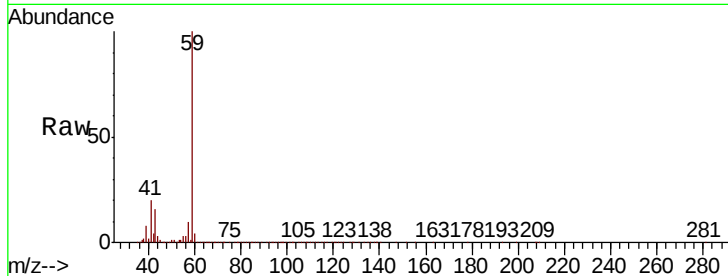




#11
Tert butyl alcohol
Concen: 771.917 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

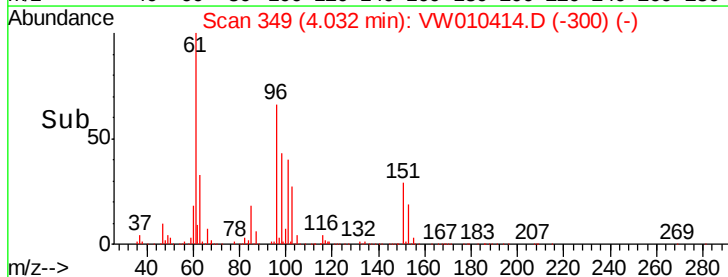
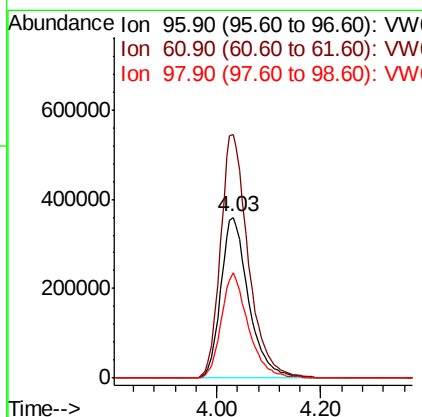
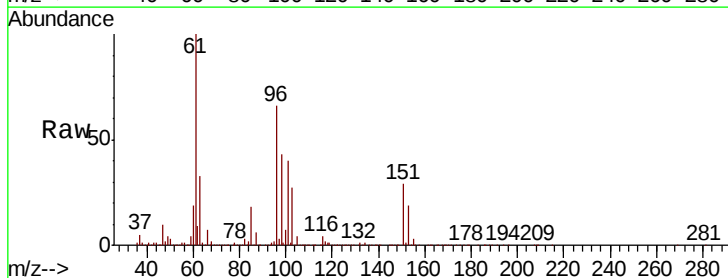
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

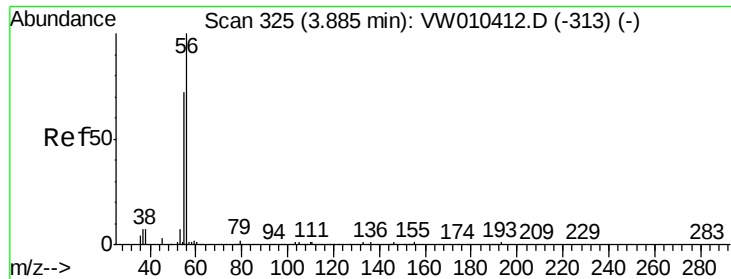
Tgt Ion: 59 Resp: 580827
Ion Ratio Lower Upper
59 100
57 9.7 8.7 13.1



#12
1,1-Dichloroethene
Concen: 128.331 ug/l
RT: 4.03 min Scan# 349
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 96 Resp: 1338285
Ion Ratio Lower Upper
96 100
61 151.9 124.1 186.1
98 65.2 53.4 80.0

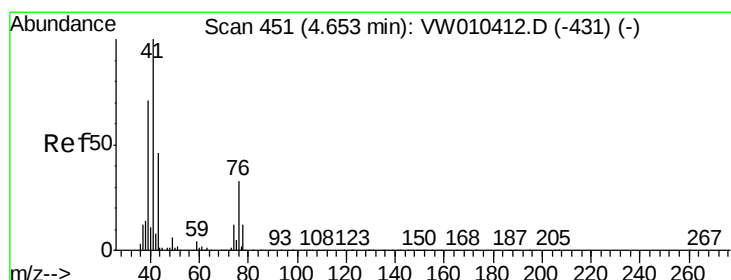
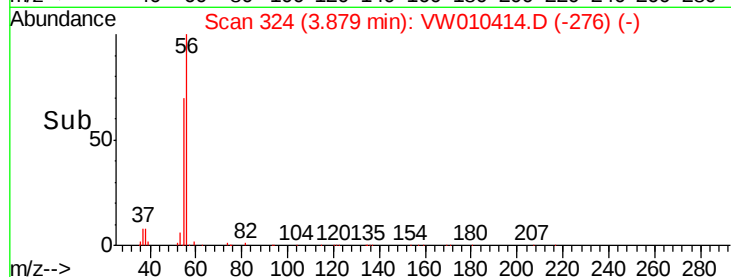
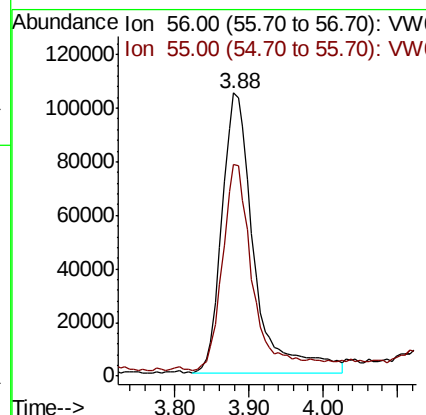
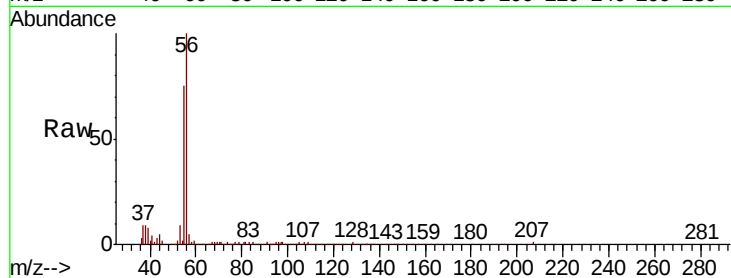




#13
Acrolein
Concen: 362.368 ug/l
RT: 3.88 min Scan# 324
Delta R.T. -0.01 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

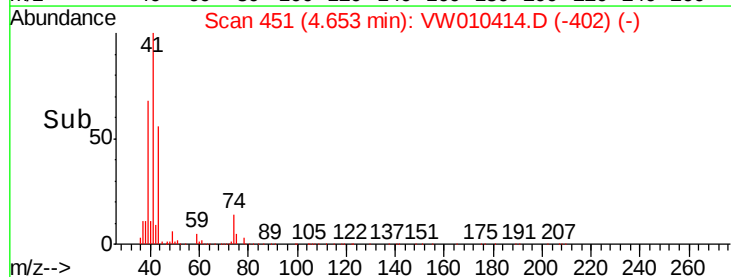
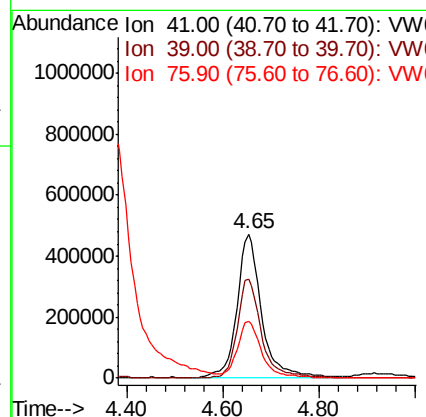
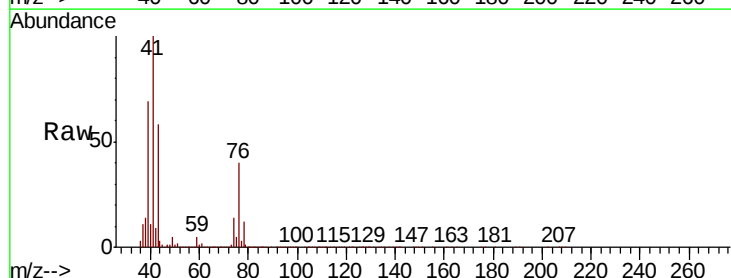
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

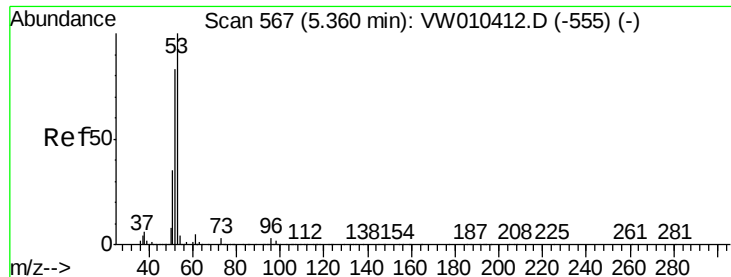
Tgt Ion: 56 Resp: 316250
Ion Ratio Lower Upper
56 100
55 66.9 56.1 84.1



#14
Allyl chloride
Concen: 109.149 ug/l
RT: 4.65 min Scan# 451
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 41 Resp: 1655669
Ion Ratio Lower Upper
41 100
39 67.1 54.3 81.5
76 39.9 30.7 46.1





#15

Acrylonitrile

Concen: 572.435 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

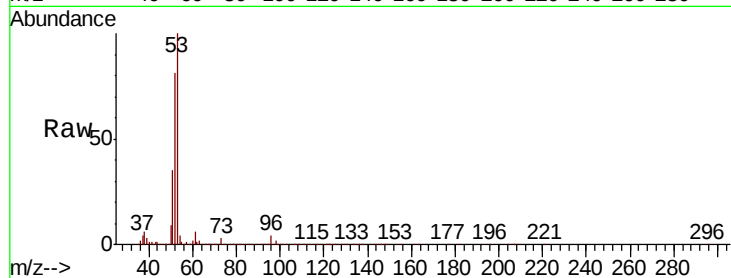
MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 1663582

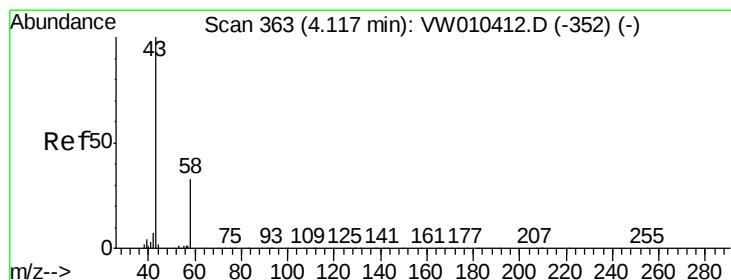
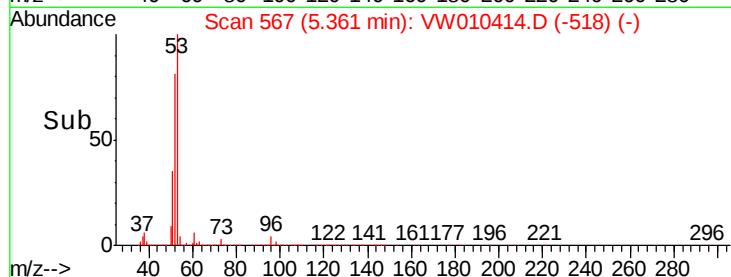
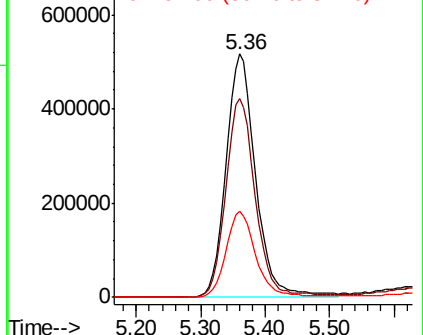
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.2	99.2
51	35.5	28.9	43.3



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 530.619 ug/l

RT: 4.12 min Scan# 363

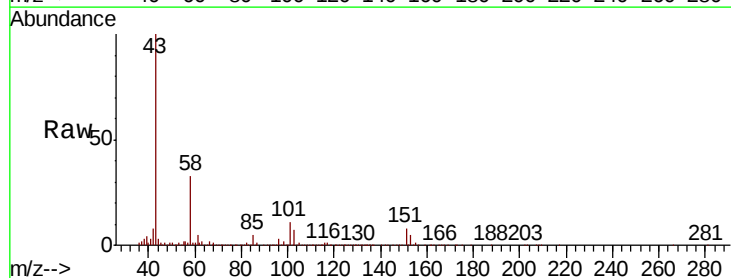
Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

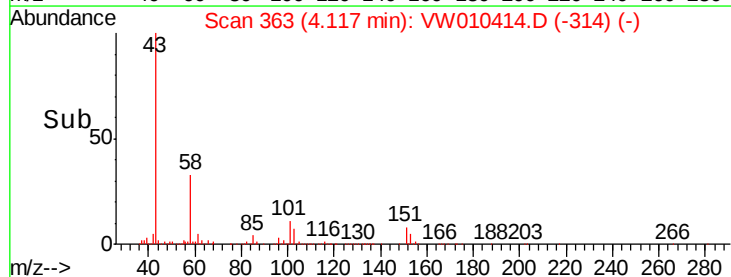
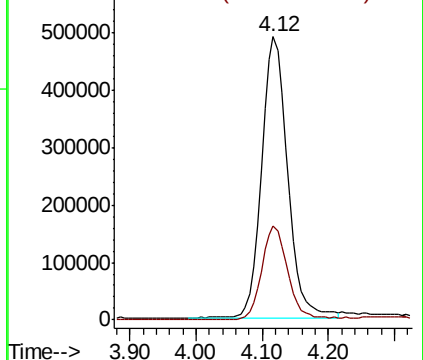
Tgt Ion: 43 Resp: 1346761

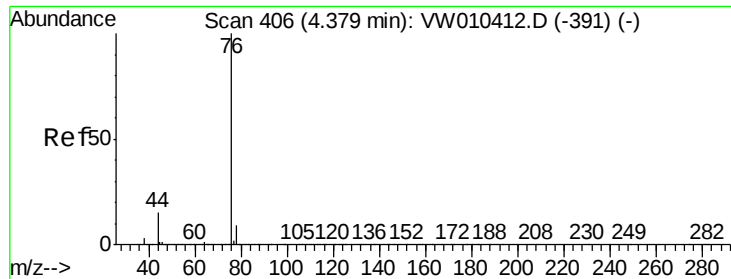
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.5	39.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

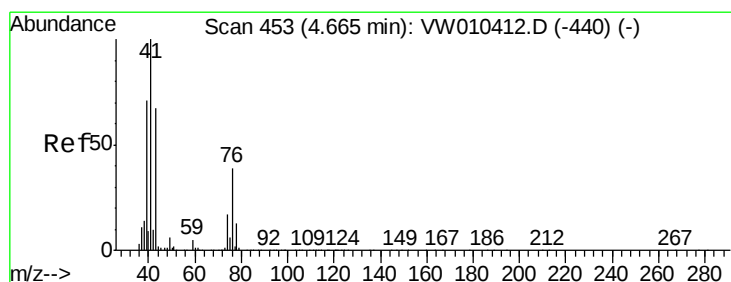
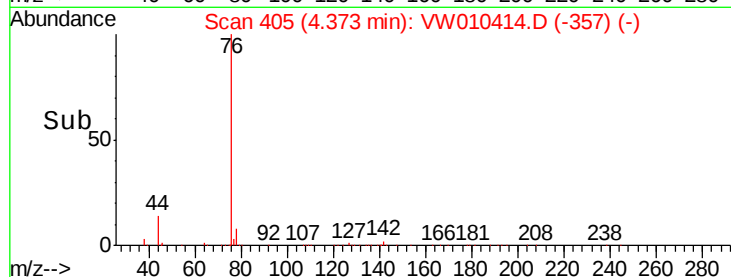
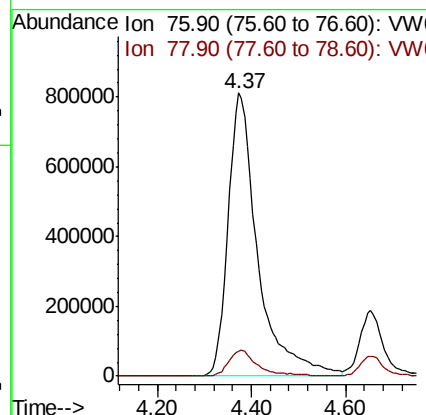
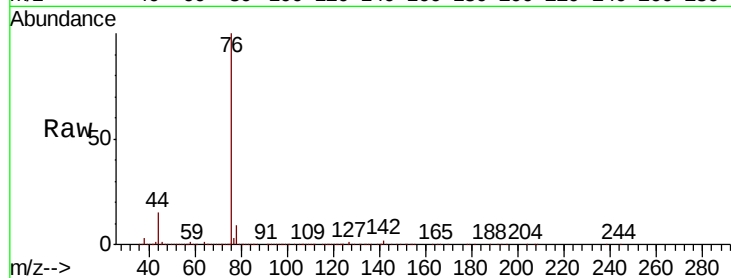




#17
Carbon Disulfide
Concen: 114.439 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

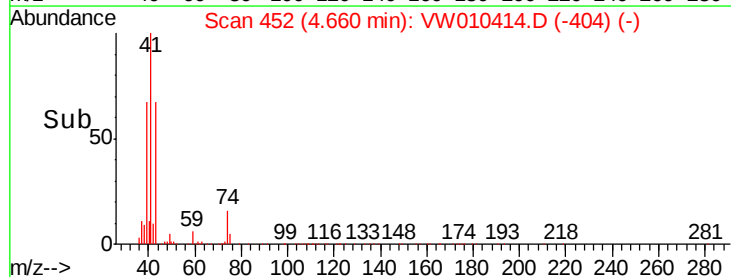
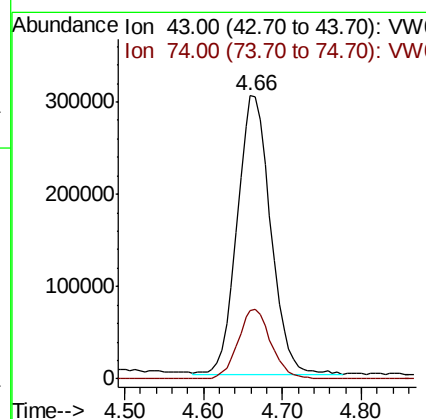
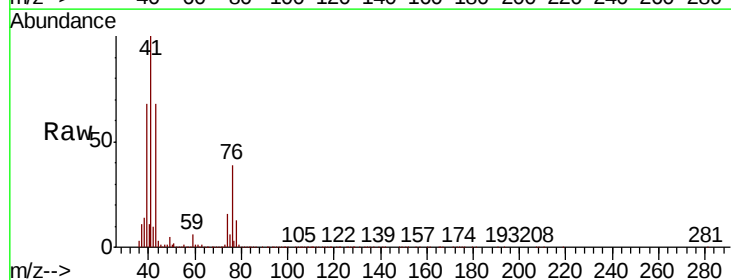
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

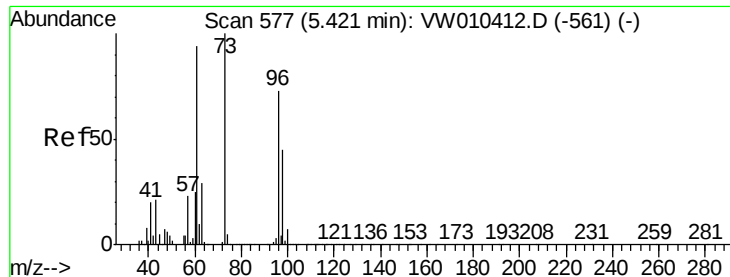
Tgt Ion: 76 Resp: 3546501
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 136.796 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 43 Resp: 890728
Ion Ratio Lower Upper
43 100
74 24.5 20.7 31.1



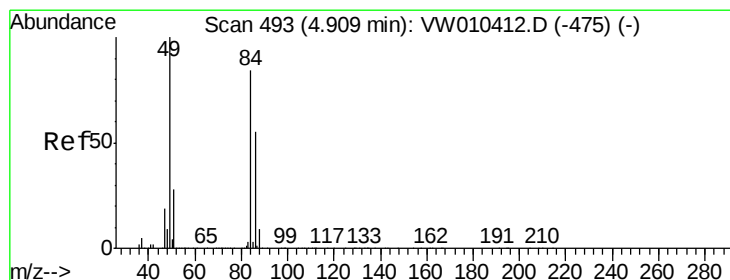
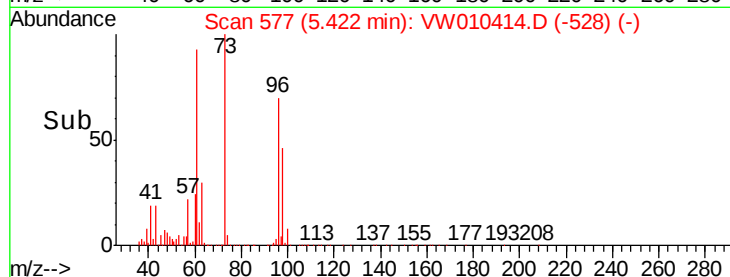
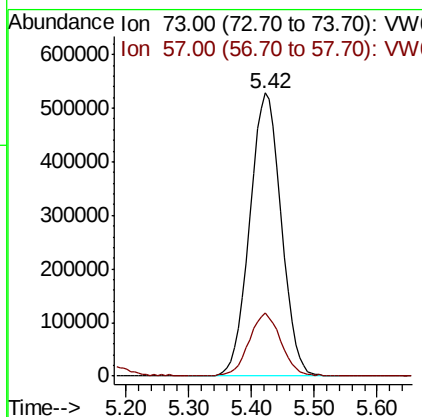
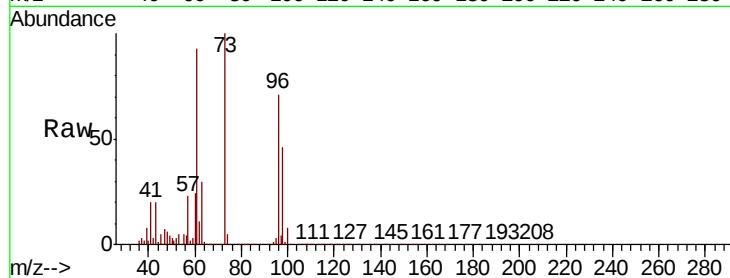


#19

Methyl tert-butyl Ether
 Concen: 143.996 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

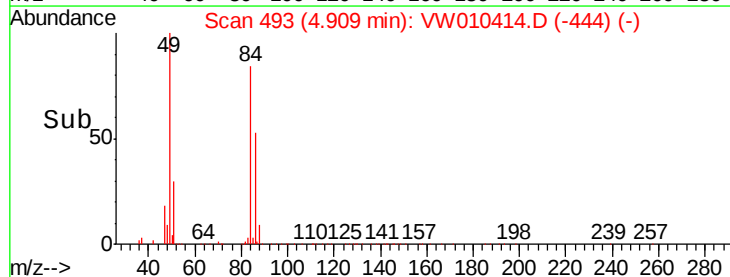
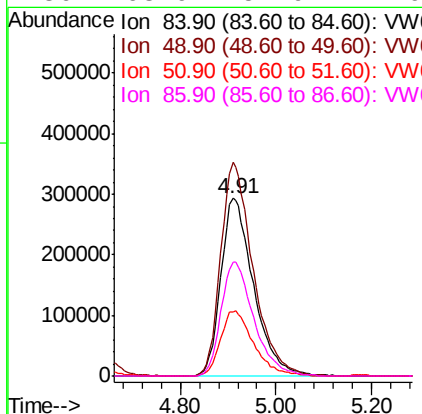
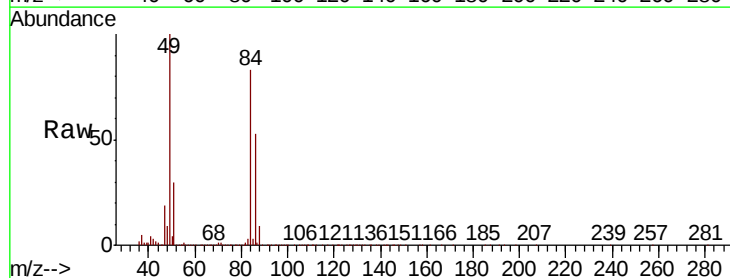
Tgt Ion: 73 Resp: 1832945
 Ion Ratio Lower Upper
 73 100
 57 22.3 18.2 27.4

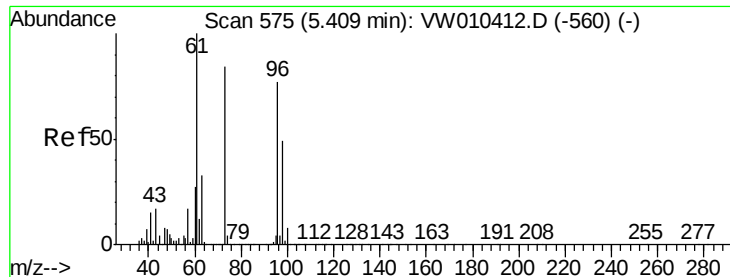


#20

Methylene Chloride
 Concen: 124.061 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion: 84 Resp: 1382263
 Ion Ratio Lower Upper
 84 100
 49 120.2 95.0 142.4
 51 36.2 27.0 40.4
 86 63.9 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 130.981 ug/l

RT: 5.41 min Scan# 575

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

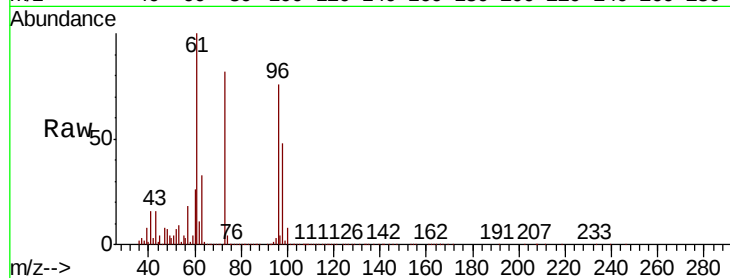
Tgt Ion: 96 Resp: 1477581

Ion Ratio Lower Upper

96 100

61 132.0 103.6 155.4

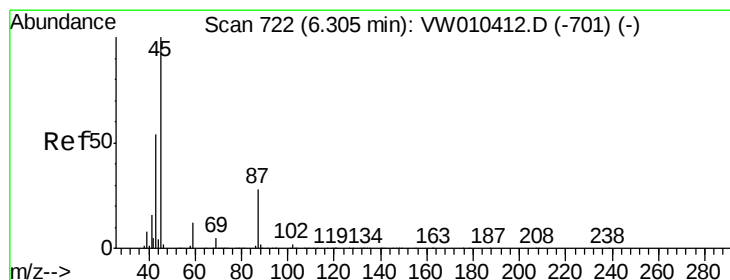
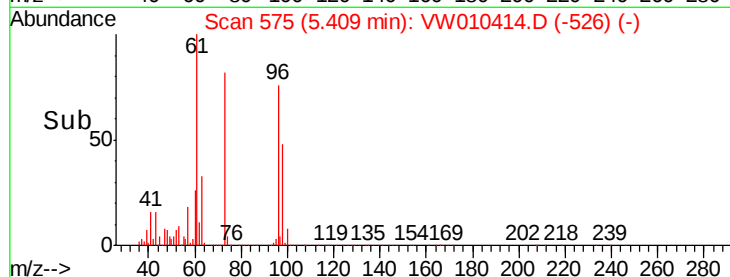
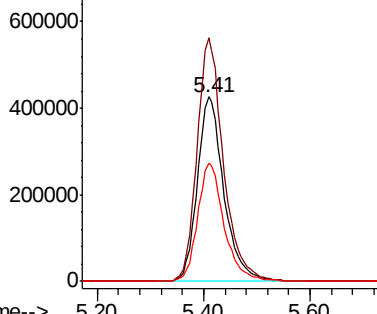
98 63.9 50.4 75.6



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: 140.589 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.01 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Tgt Ion: 45 Resp: 4267963

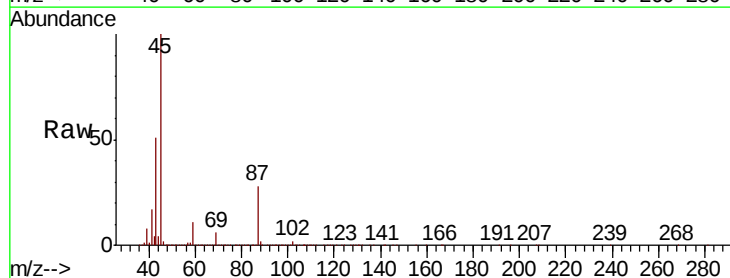
Ion Ratio Lower Upper

45 100

43 50.3 43.1 64.7

87 28.3 22.7 34.1

59 11.4 9.4 14.2

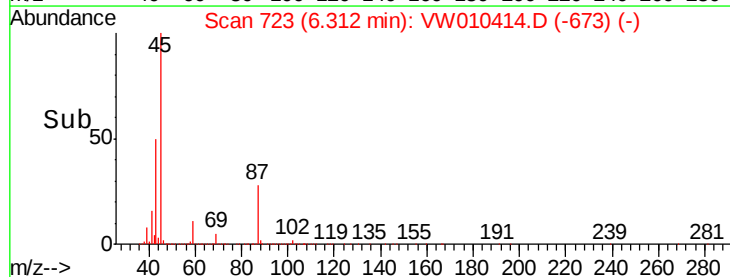
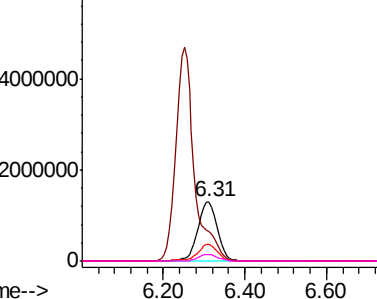


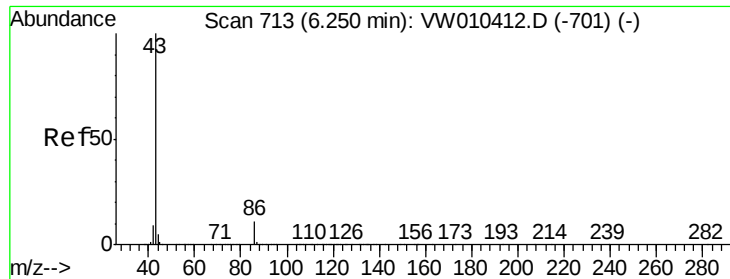
Abundance Ion 45.00 (44.70 to 45.70): VW

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

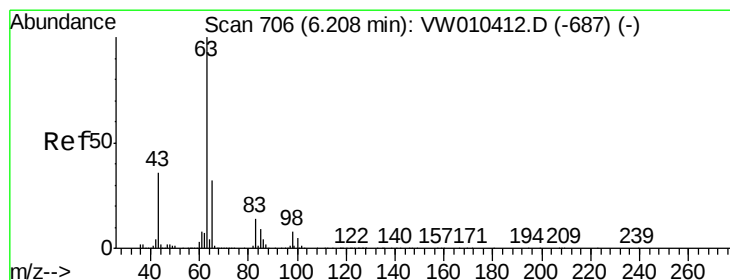
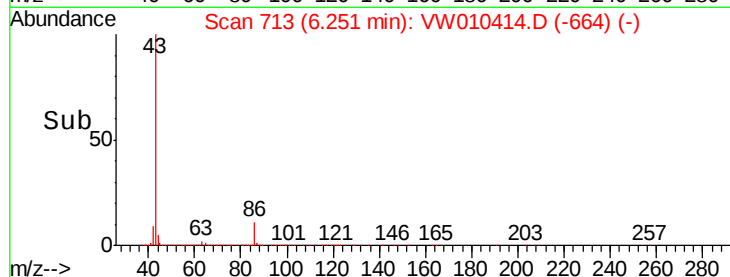
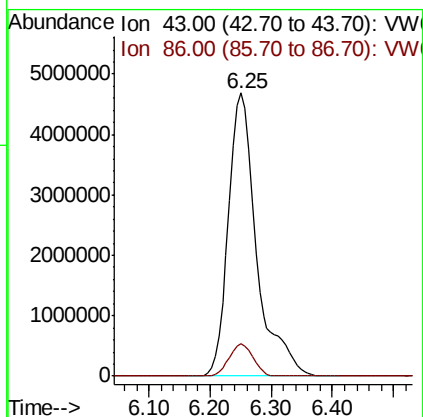
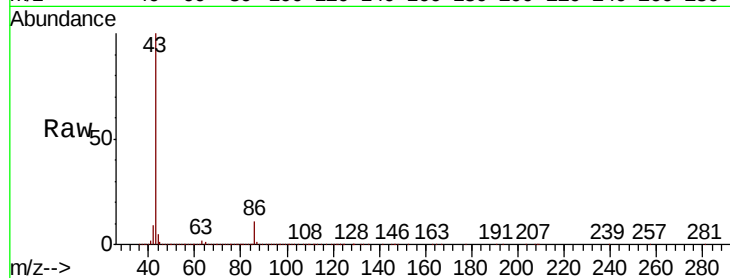




#23
 Vinyl Acetate
 Concen: 715.419 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

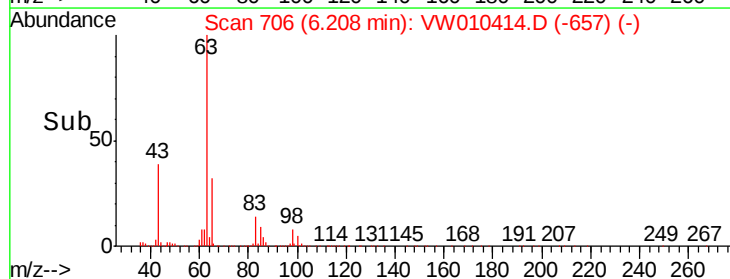
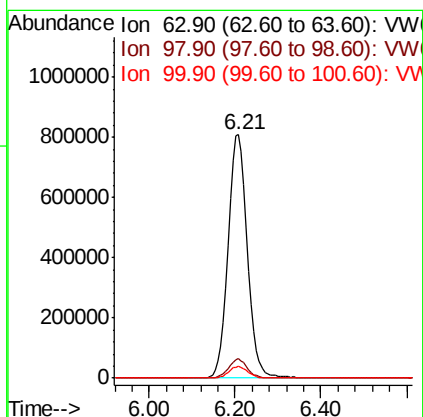
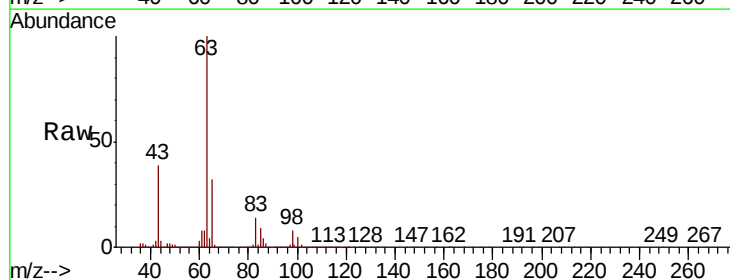
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

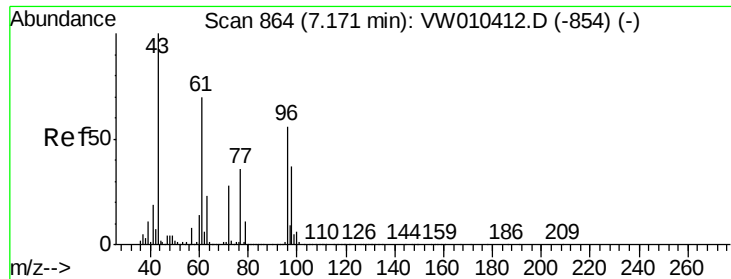
Tgt Ion: 43 Resp:14923739
 Ion Ratio Lower Upper
 43 100
 86 11.3 9.1 13.7



#24
 1,1-Dichloroethane
 Concen: 126.360 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion: 63 Resp: 2564801
 Ion Ratio Lower Upper
 63 100
 98 7.8 4.1 12.3
 100 4.8 2.4 7.2





#25

2-Butanone

Concen: 645.396 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

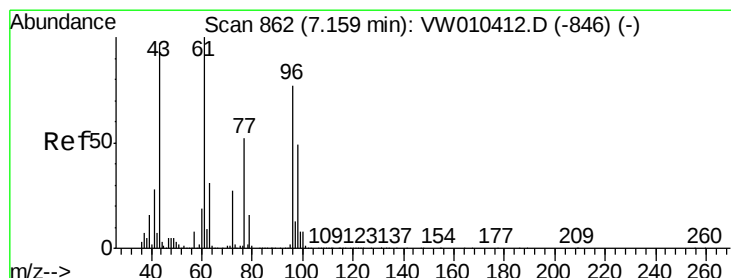
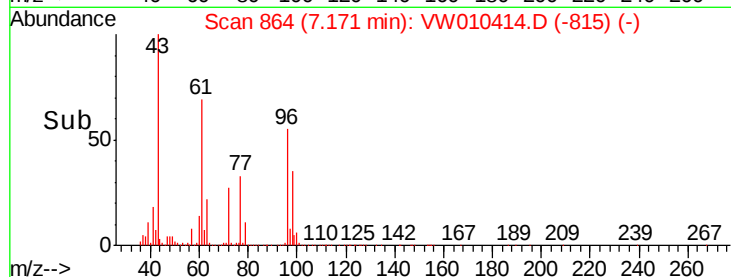
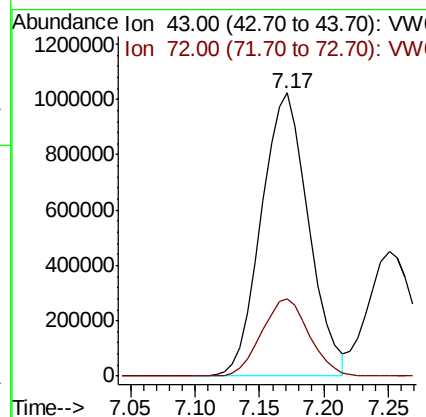
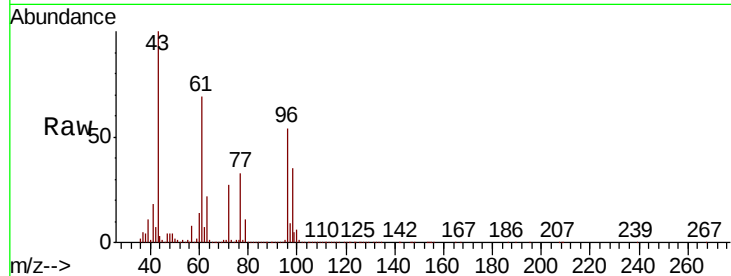
VSTDIC150

Tgt Ion: 43 Resp: 2592153

Ion Ratio Lower Upper

43 100

72 27.4 22.1 33.1



#26

2,2-Dichloropropane

Concen: 117.098 ug/l

RT: 7.16 min Scan# 862

Delta R.T. 0.00 min

Lab File: VW010414.D

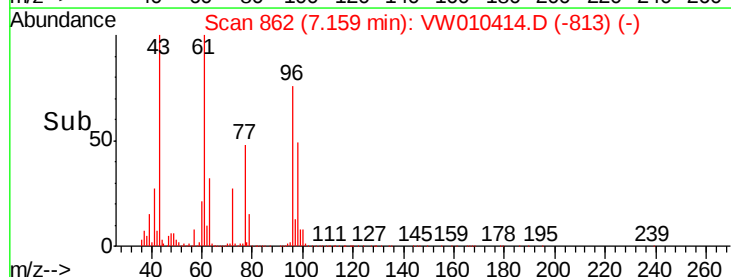
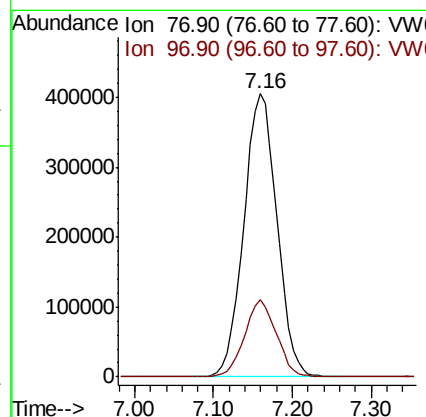
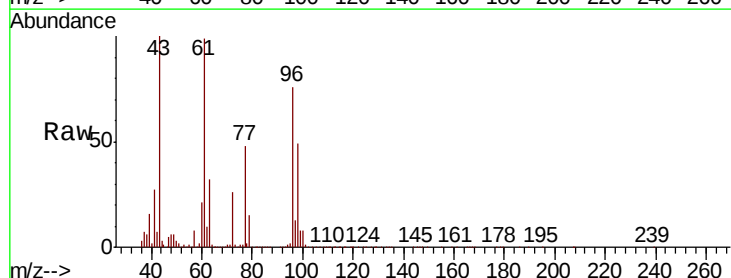
Acq: 16 May 2019 20:55

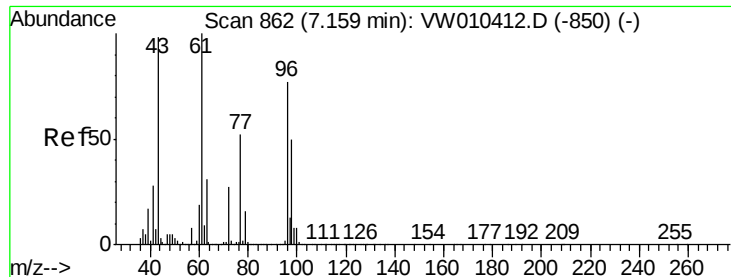
Tgt Ion: 77 Resp: 1181971

Ion Ratio Lower Upper

77 100

97 25.7 12.7 38.0



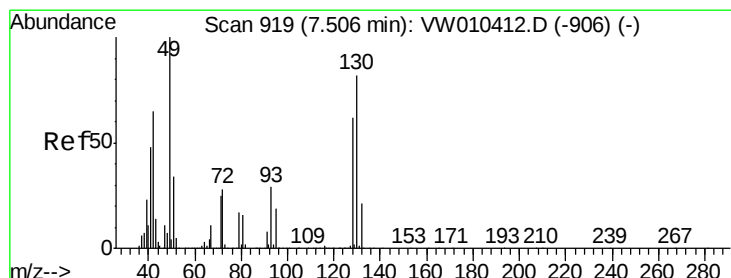
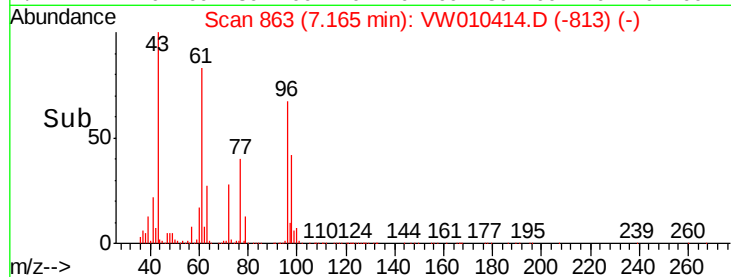
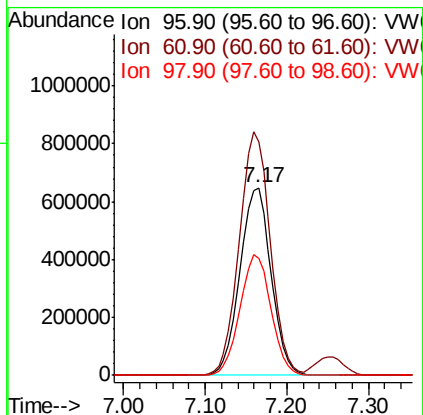
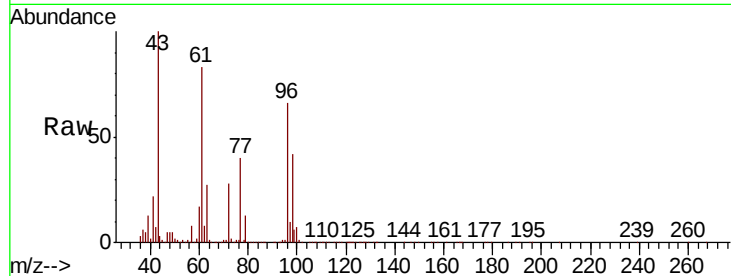


#27

cis-1,2-Dichloroethene
Concen: 145.315 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.01 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

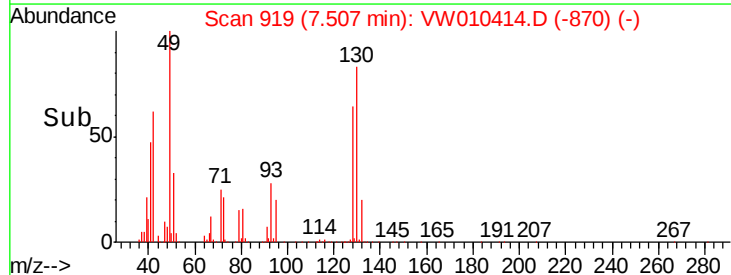
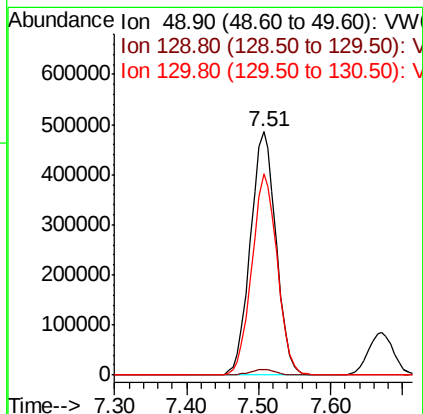
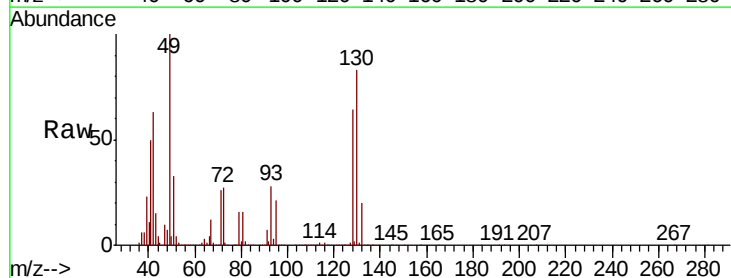
Tgt Ion: 96 Resp: 1716465
Ion Ratio Lower Upper
96 100
61 129.5 0.0 257.8
98 64.4 0.0 128.4

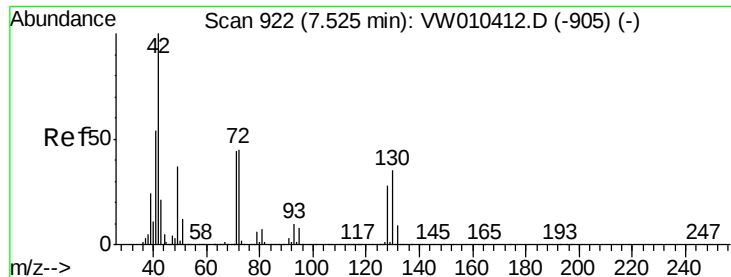


#28

Bromochloromethane
Concen: 155.052 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 49 Resp: 1202718
Ion Ratio Lower Upper
49 100
129 2.2 0.0 4.8
130 81.7 67.0 100.4





#29

Tetrahydrofuran

Concen: 660.563 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

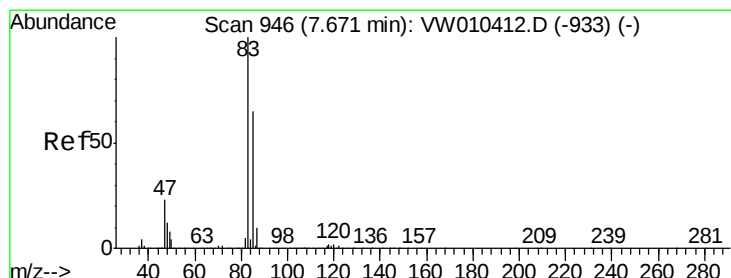
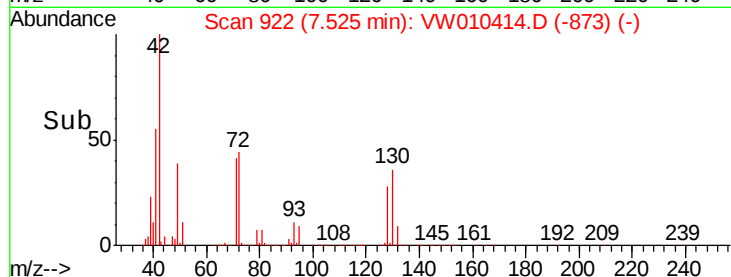
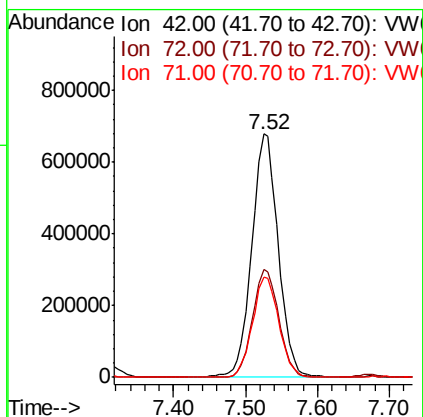
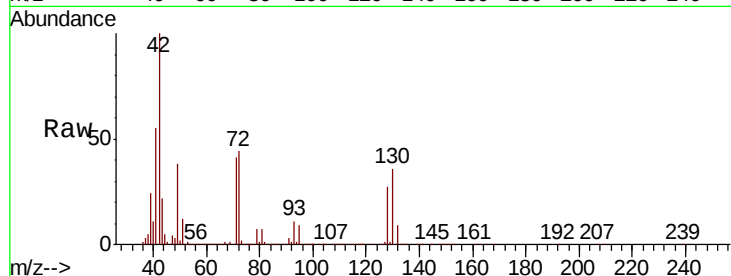
Tgt Ion: 42 Resp: 1724336

Ion Ratio Lower Upper

42 100

72 44.2 35.6 53.4

71 41.1 33.7 50.5



#30

Chloroform

Concen: 138.701 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010414.D

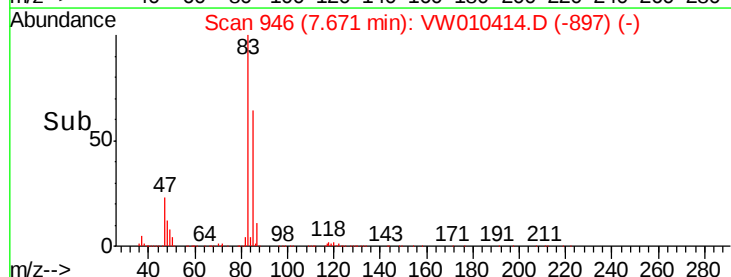
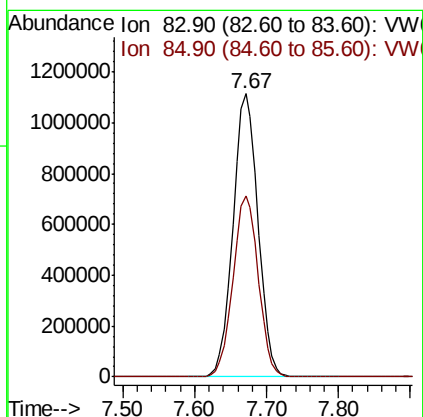
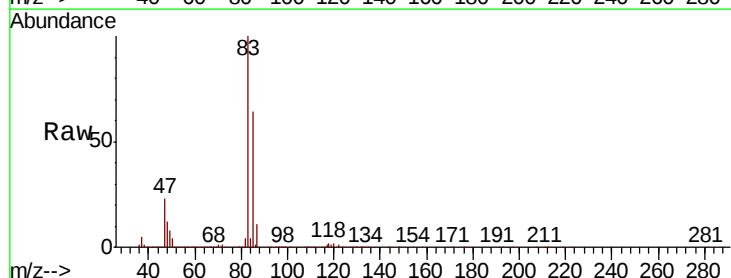
Acq: 16 May 2019 20:55

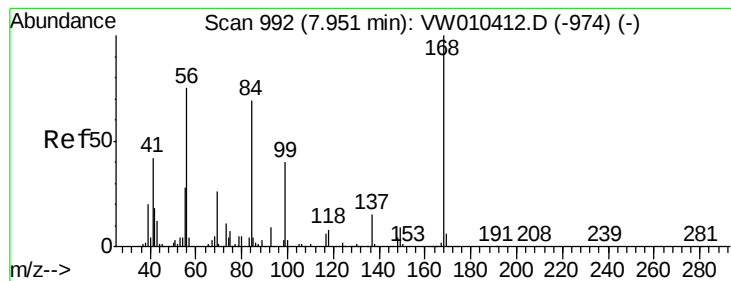
Tgt Ion: 83 Resp: 2679146

Ion Ratio Lower Upper

83 100

85 64.0 52.0 78.0





#31

Cyclohexane

Concen: 107.193 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

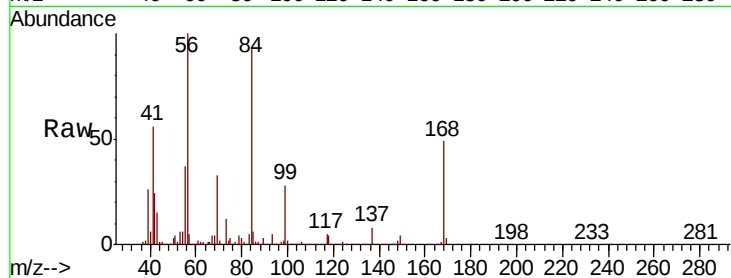
Tgt Ion: 56 Resp: 2196307

Ion Ratio Lower Upper

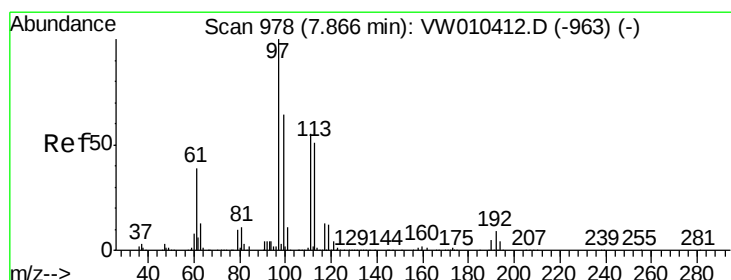
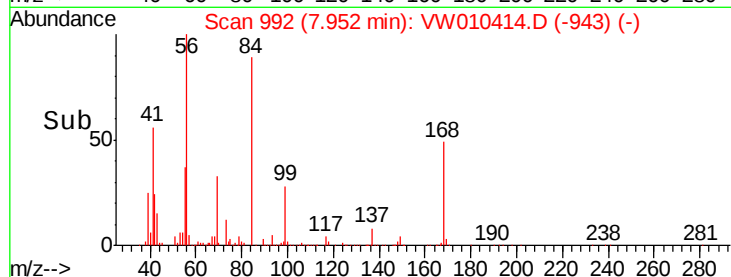
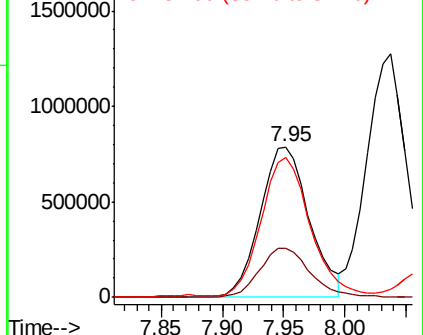
56 100

69 32.6 27.9 41.9

84 91.3 73.9 110.9



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



#32

1,1,1-Trichloroethane

Concen: 133.286 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

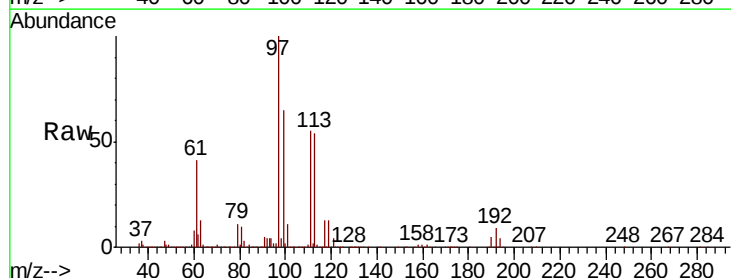
Tgt Ion: 97 Resp: 1994070

Ion Ratio Lower Upper

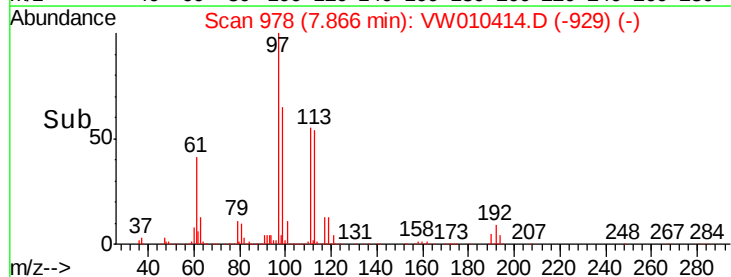
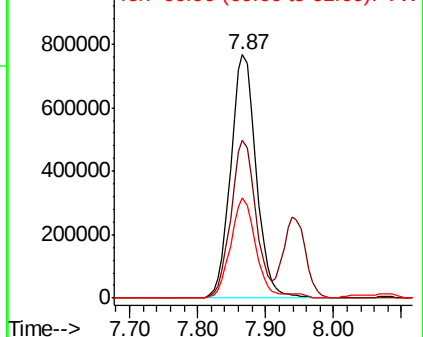
97 100

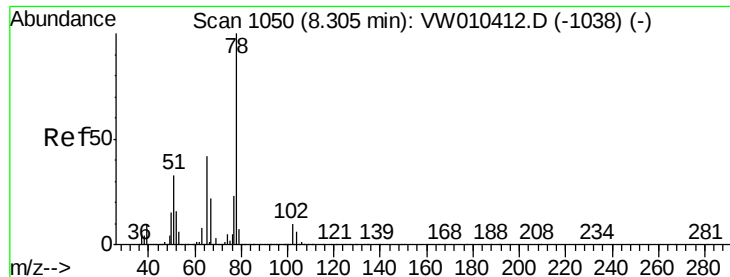
99 63.2 50.6 76.0

61 39.9 31.9 47.9



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

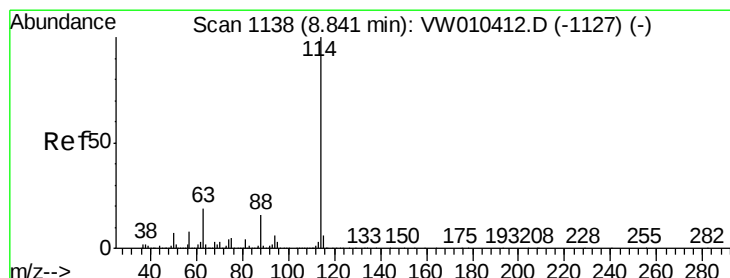
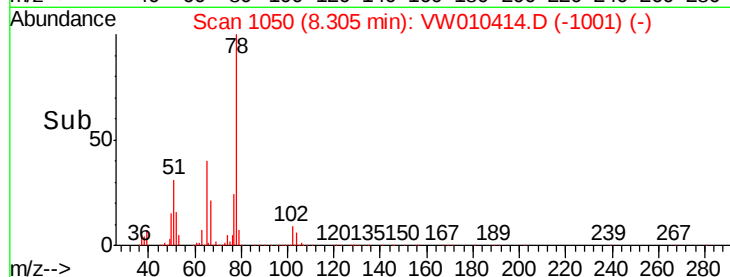
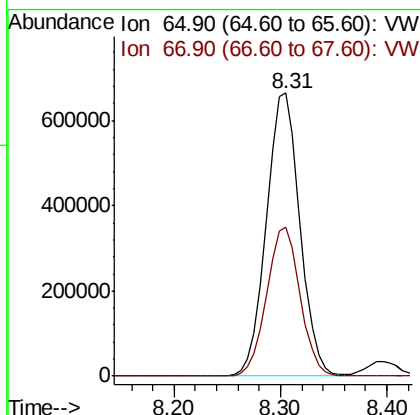
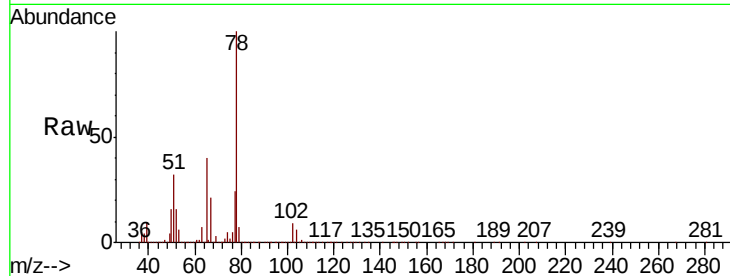




#33
 1,2-Dichloroethane-d4
 Concen: 140.265 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

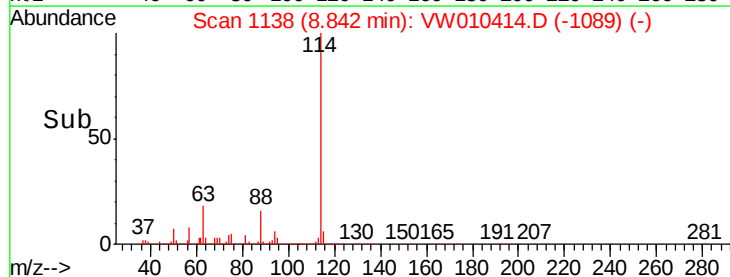
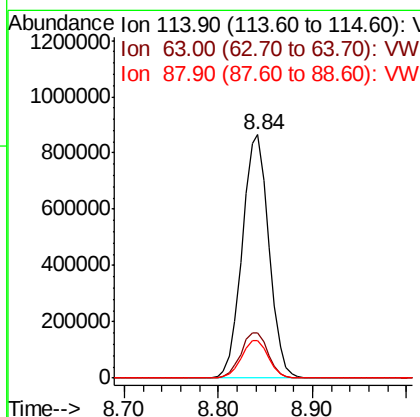
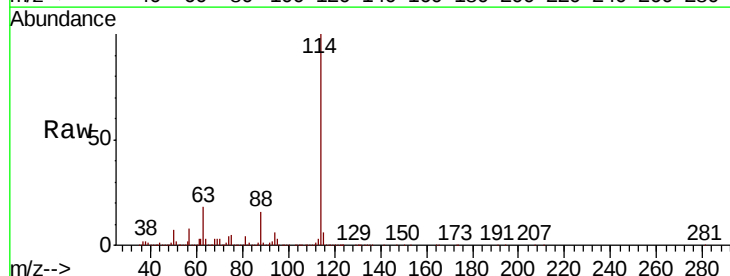
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

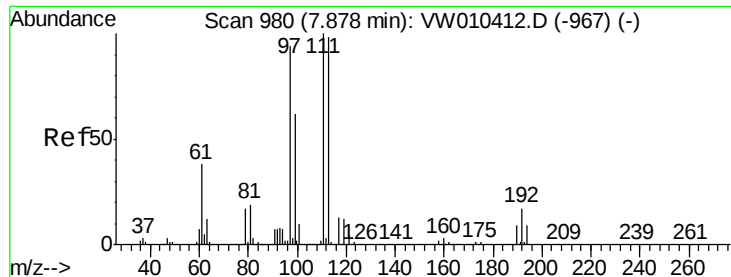
Tgt Ion: 65 Resp: 1455413
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion: 114 Resp: 1712795
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 37.6
 88 15.6 0.0 32.0





#35

Dibromofluoromethane

Concen: 140.824 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

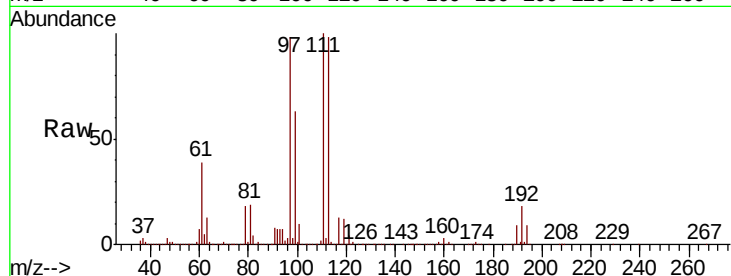
Tgt Ion:113 Resp: 1424500

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

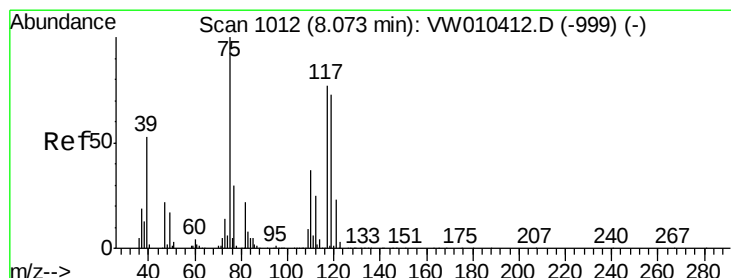
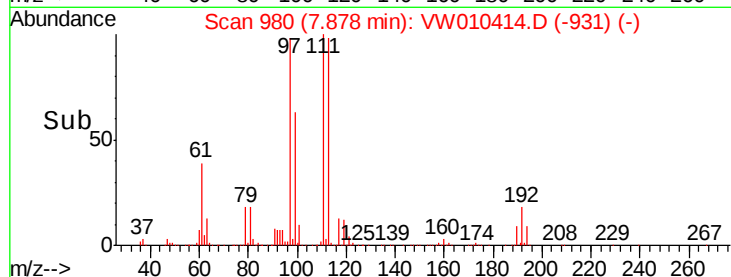
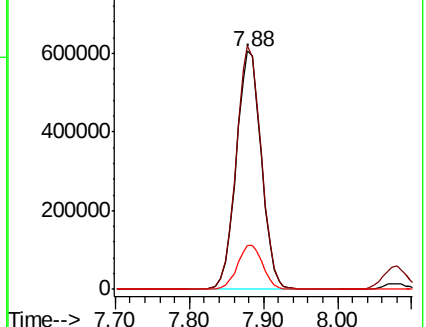
192 18.9 15.2 22.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 111.440 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

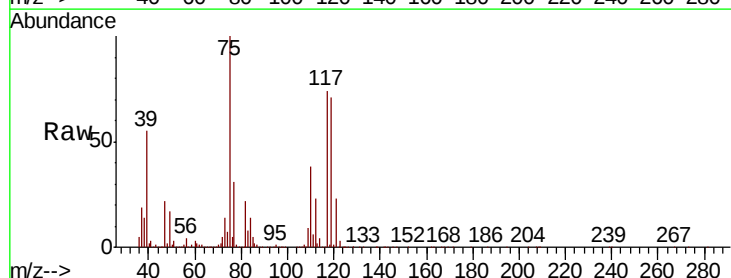
Tgt Ion: 75 Resp: 2000530

Ion Ratio Lower Upper

75 100

110 37.5 18.9 56.7

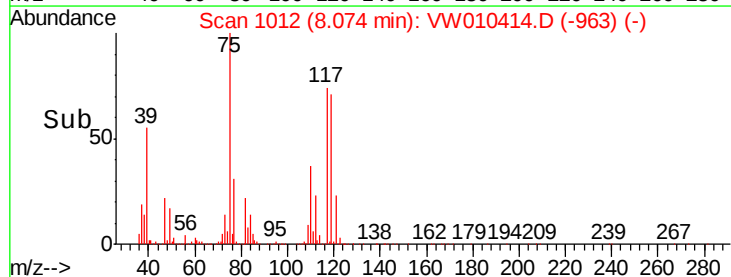
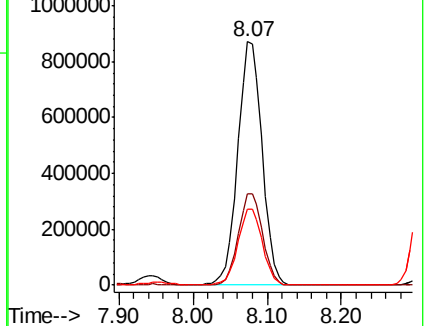
77 31.3 24.6 37.0

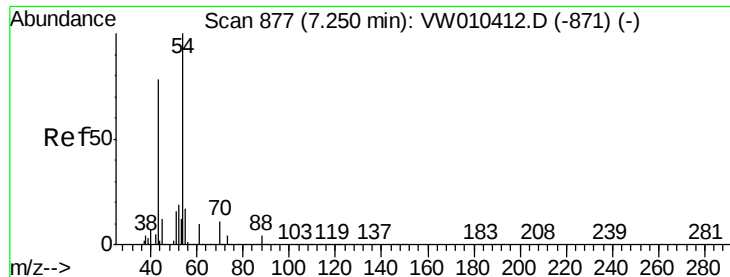


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

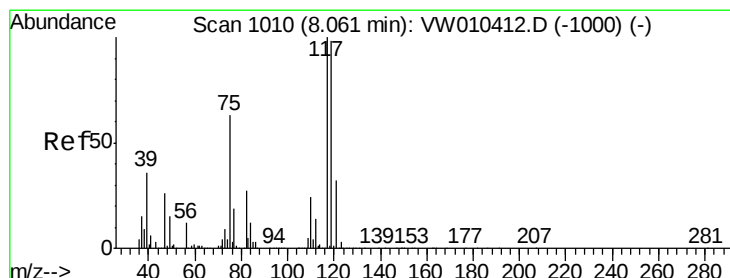
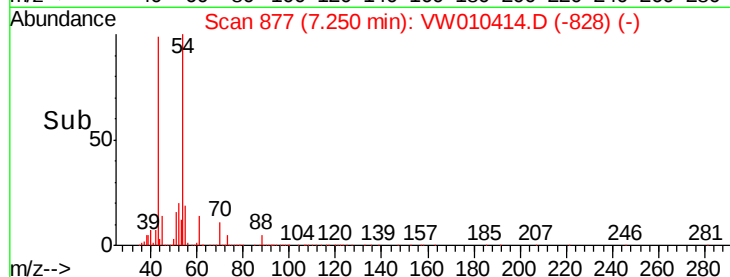
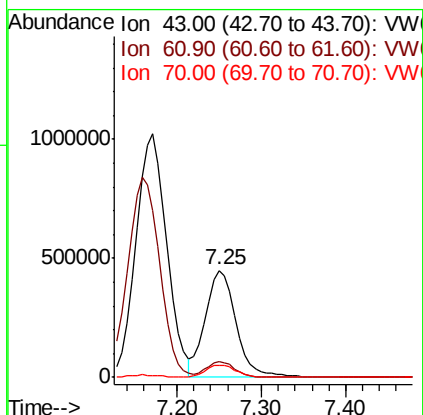
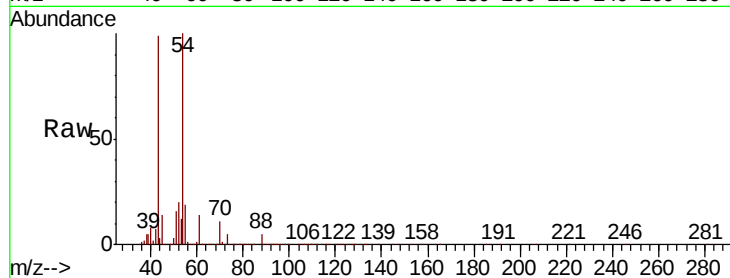




#37
Ethyl Acetate
Concen: 117.543 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

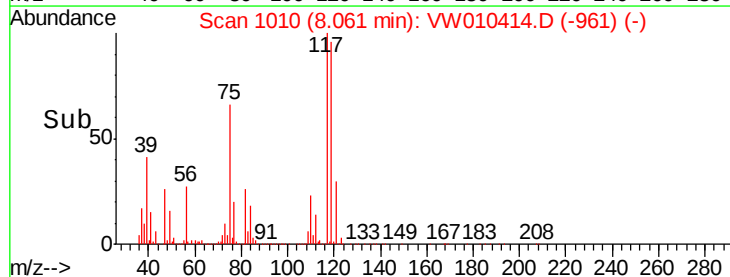
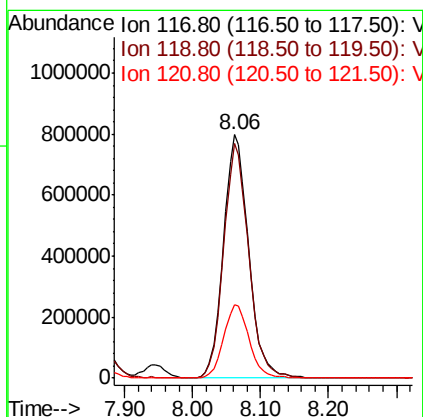
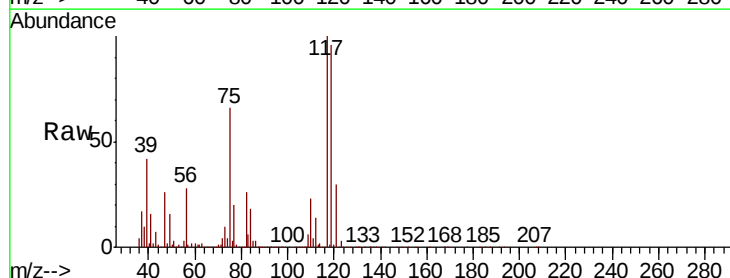
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

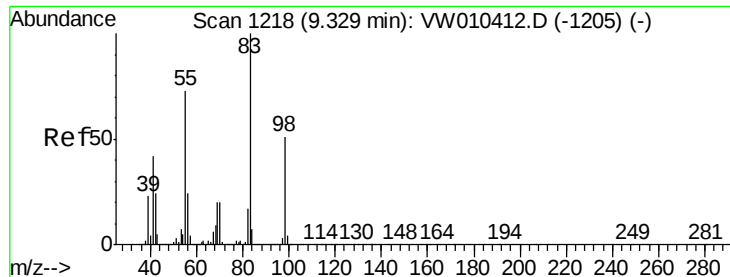
Tgt Ion: 43 Resp: 1124335
Ion Ratio Lower Upper
43 100
61 13.8 11.0 16.4
70 11.3 9.1 13.7



#38
Carbon Tetrachloride
Concen: 129.090 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 117 Resp: 2043835
Ion Ratio Lower Upper
117 100
119 96.4 78.2 117.4
121 30.0 25.3 37.9

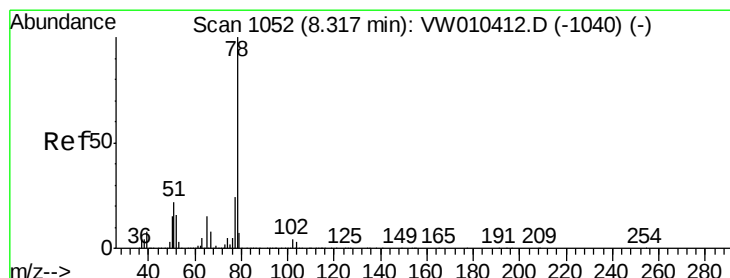
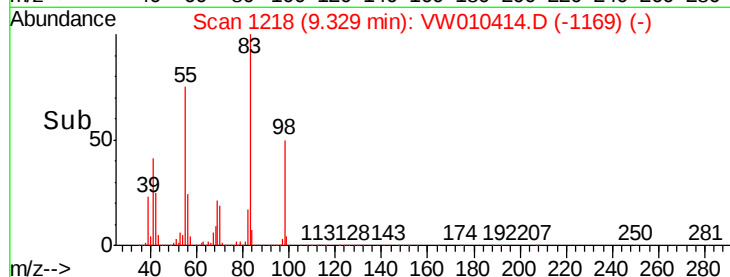
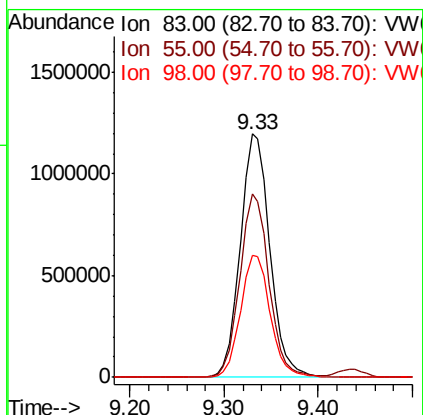
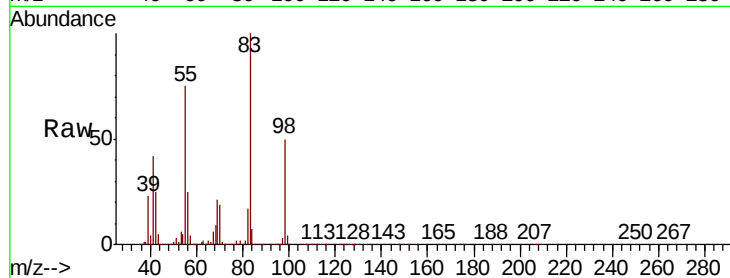




#39
Methylcyclohexane
Concen: 118.177 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

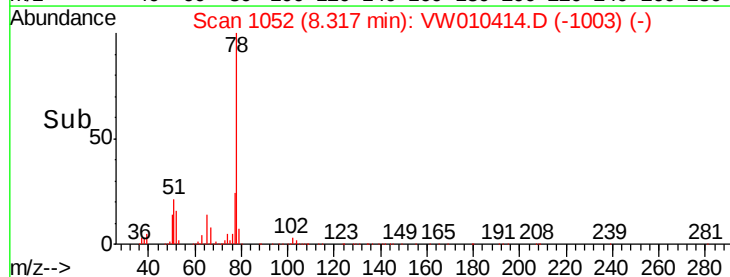
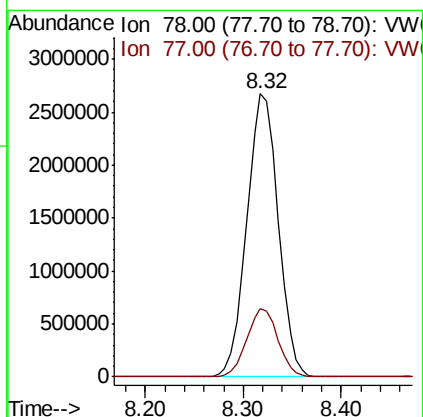
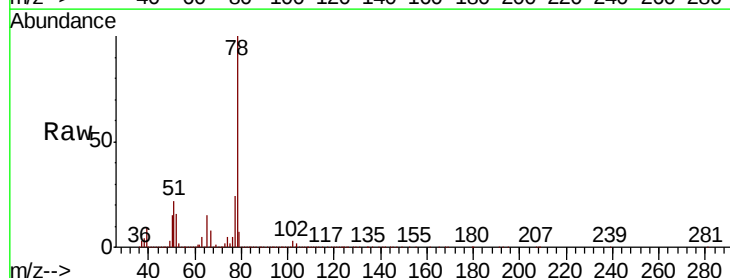
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

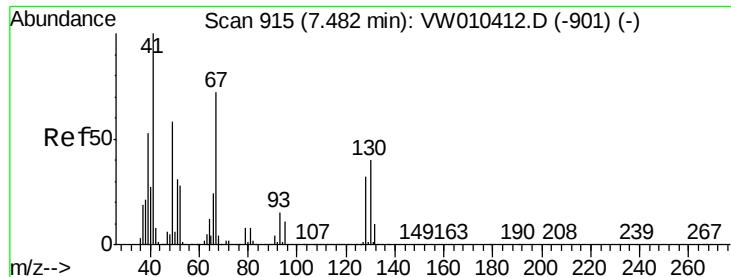
Tgt Ion: 83 Resp: 2608131
Ion Ratio Lower Upper
83 100
55 75.2 58.7 88.1
98 50.1 40.7 61.1



#40
Benzene
Concen: 119.712 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 78 Resp: 5950035
Ion Ratio Lower Upper
78 100
77 24.0 19.2 28.8





#41

Methacrylonitrile

Concen: 126.838 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 681816

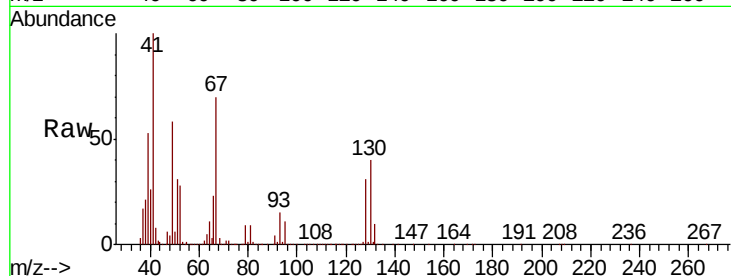
Ion Ratio Lower Upper

41 100

39 53.3 42.7 64.1

67 72.2 58.8 88.2

52 28.0 23.2 34.8

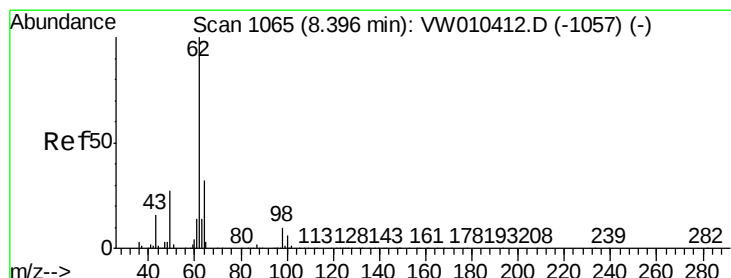
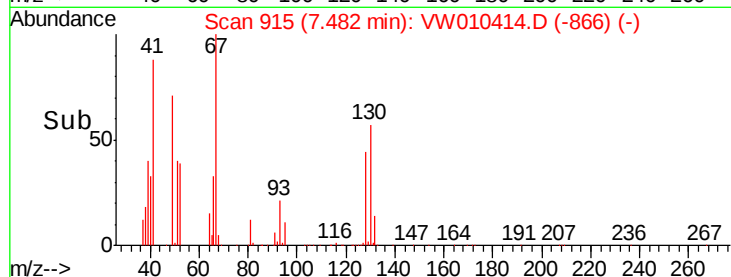
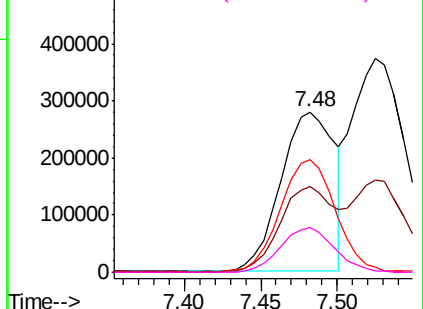


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 124.528 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW010414.D

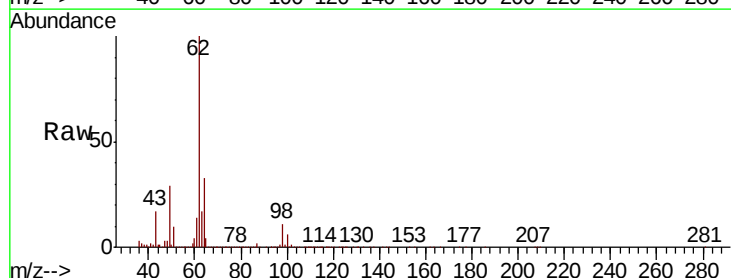
Acq: 16 May 2019 20:55

Tgt Ion: 62 Resp: 1782483

Ion Ratio Lower Upper

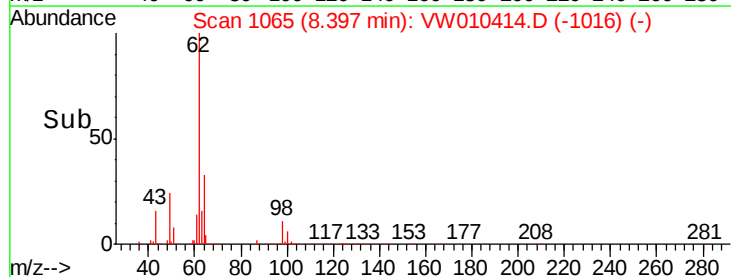
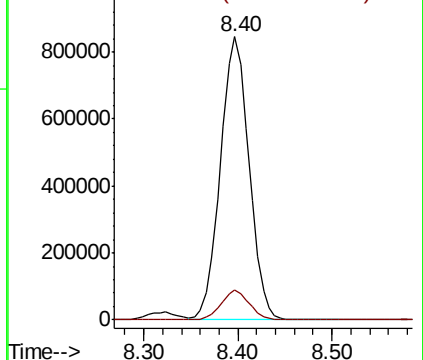
62 100

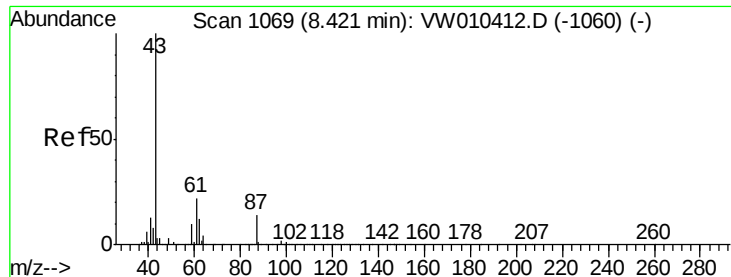
98 10.2 0.0 20.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 138.535 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

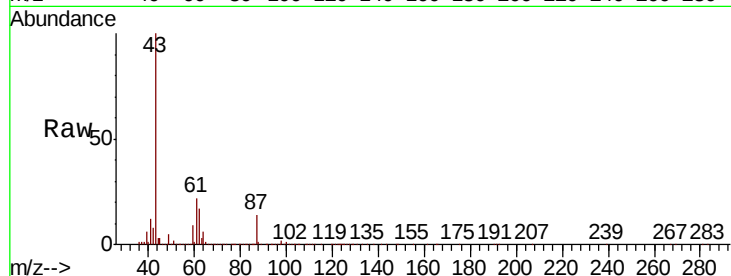
Tgt Ion: 43 Resp: 2263484

Ion Ratio Lower Upper

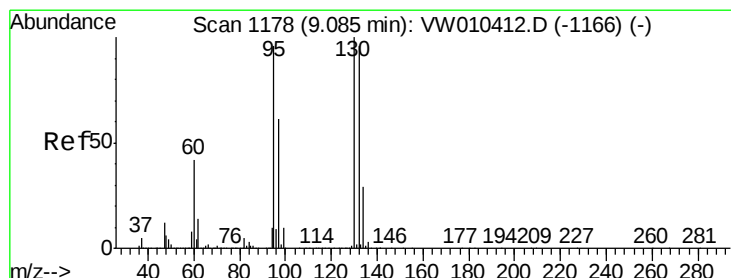
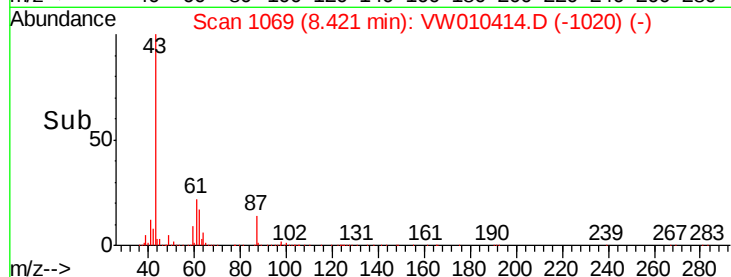
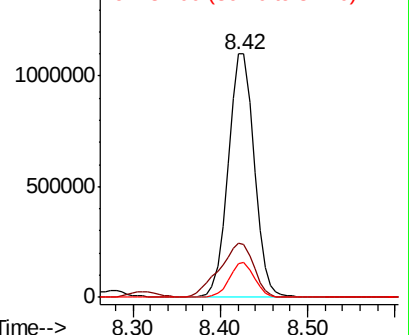
43 100

61 29.3 23.3 34.9

87 14.0 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 132.281 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VW010414.D

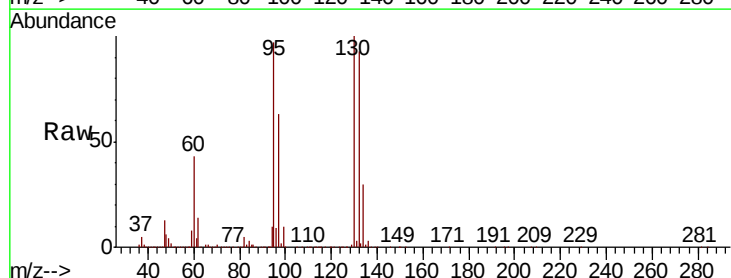
Acq: 16 May 2019 20:55

Tgt Ion: 130 Resp: 1679508

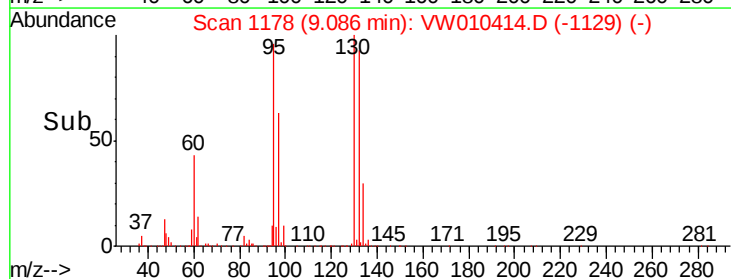
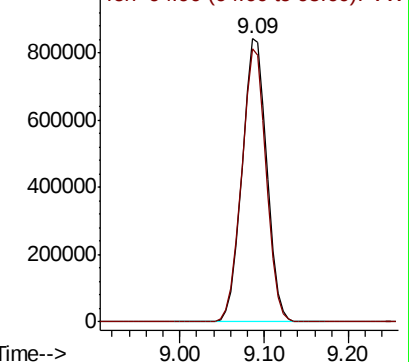
Ion Ratio Lower Upper

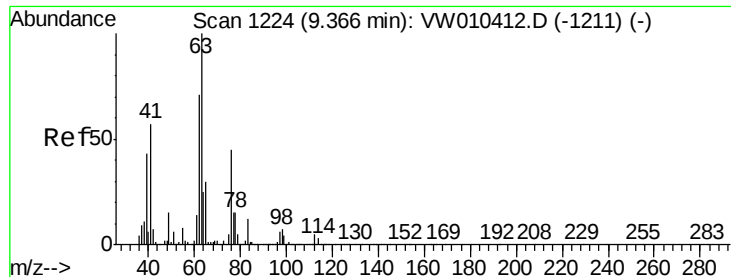
130 100

95 96.5 0.0 192.4



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

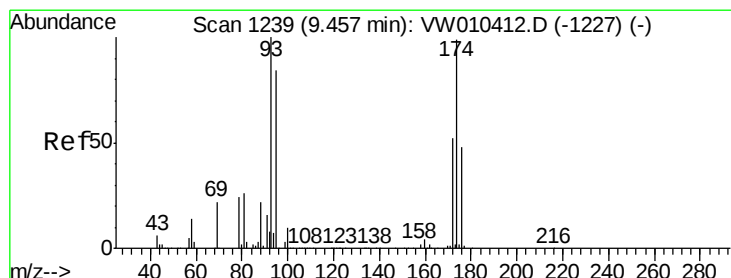
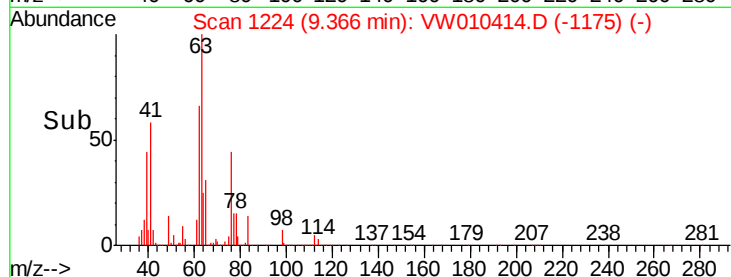
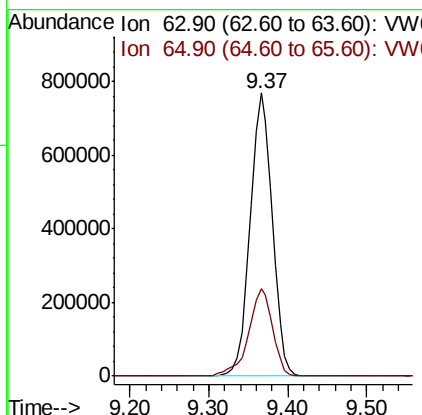
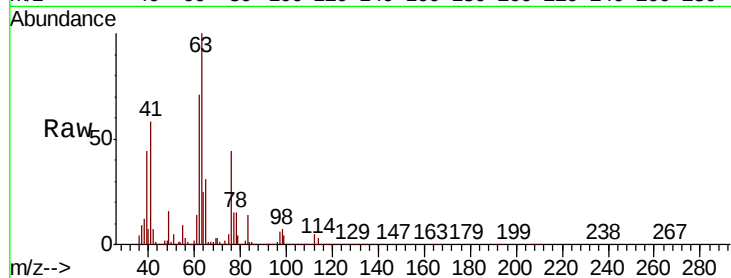




#45
1,2-Dichloropropane
Concen: 120.882 ug/l
RT: 9.37 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

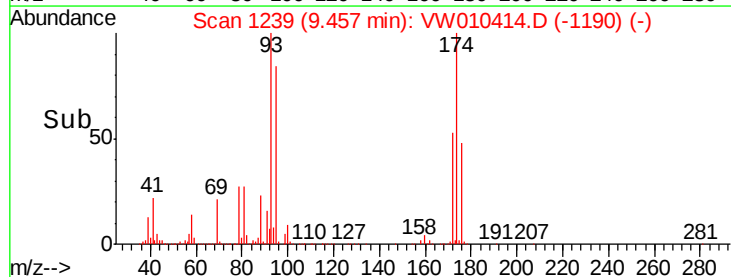
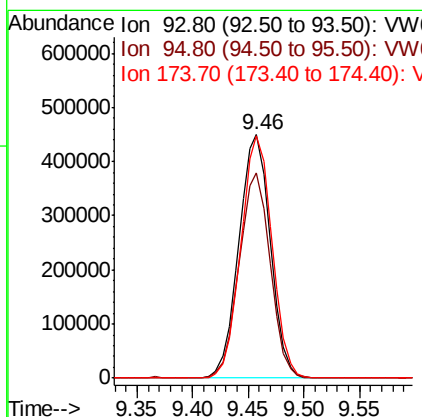
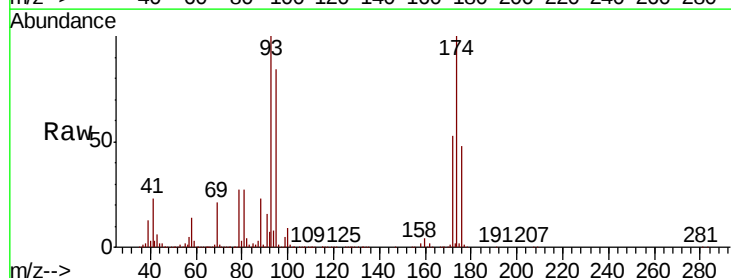
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

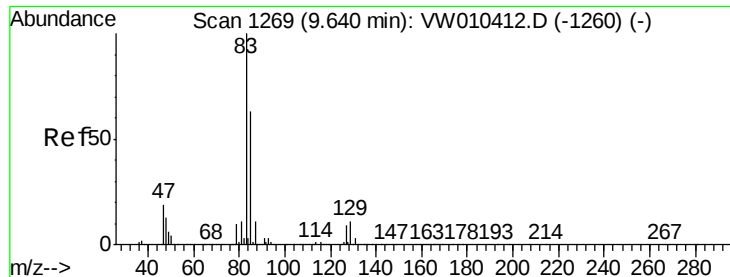
Tgt Ion: 63 Resp: 1496187
Ion Ratio Lower Upper
63 100
65 31.1 24.1 36.1



#46
Dibromomethane
Concen: 134.615 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 93 Resp: 877771
Ion Ratio Lower Upper
93 100
95 83.6 66.6 100.0
174 99.2 79.8 119.6





#47

Bromodichloromethane

Concen: 137.559 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

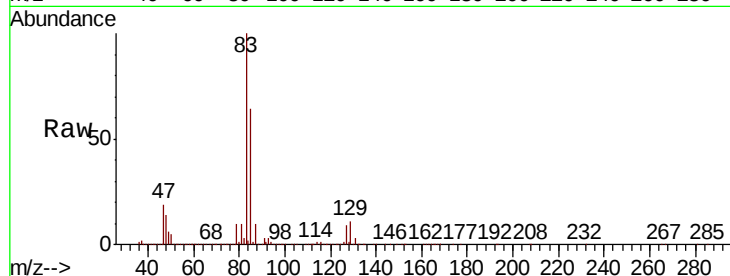
Tgt Ion: 83 Resp: 2161438

Ion Ratio Lower Upper

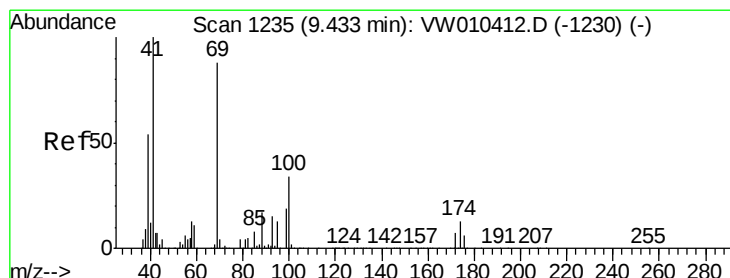
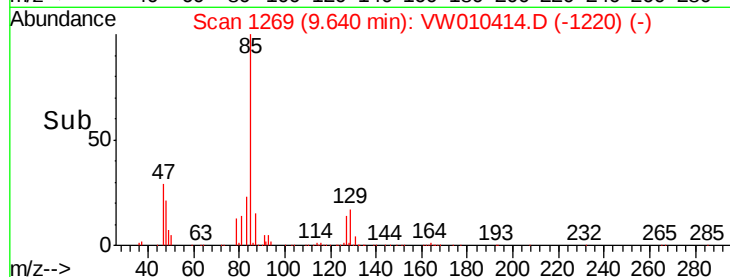
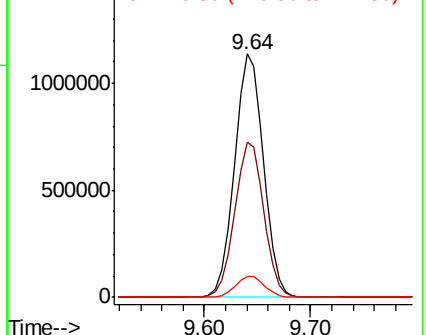
83 100

85 64.0 50.2 75.2

127 8.7 6.9 10.3



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



#48

Methyl methacrylate

Concen: 136.791 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

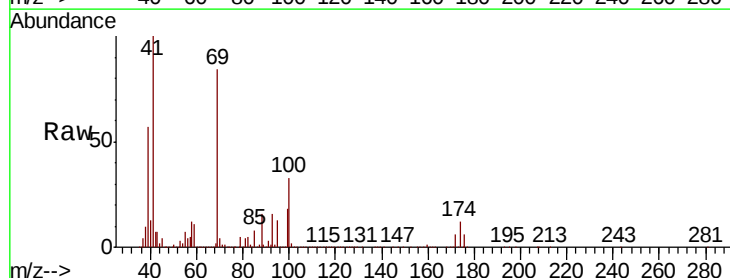
Tgt Ion: 41 Resp: 1040986

Ion Ratio Lower Upper

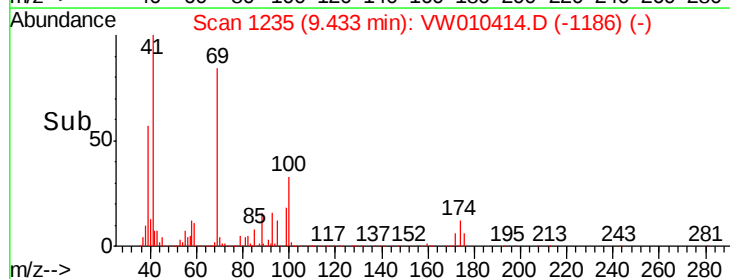
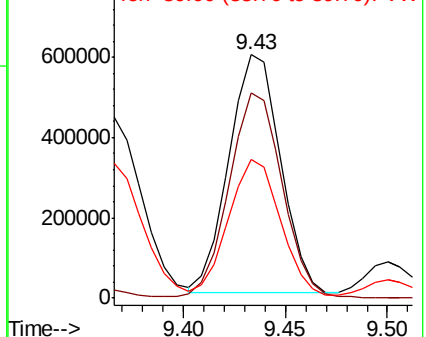
41 100

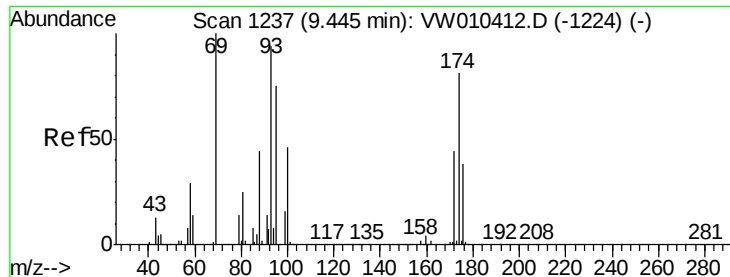
69 89.0 72.6 108.8

39 59.4 48.0 72.0



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





#49

1,4-Dioxane

Concen: 2767.929 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

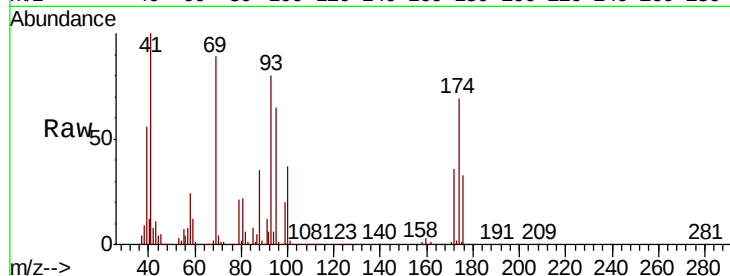
Tgt Ion: 88 Resp: 313048

Ion Ratio Lower Upper

88 100

43 29.3 24.6 36.8

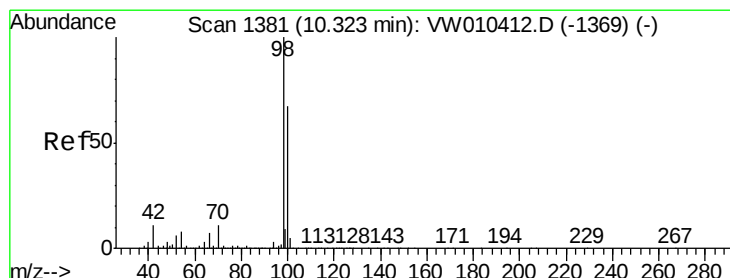
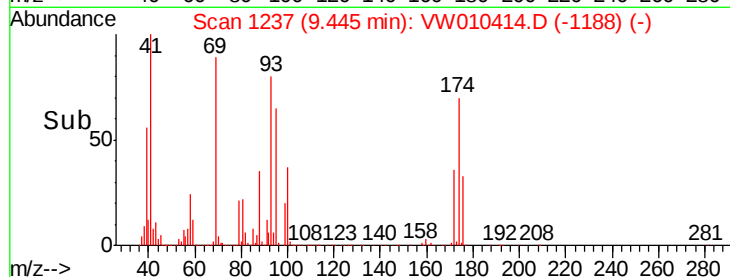
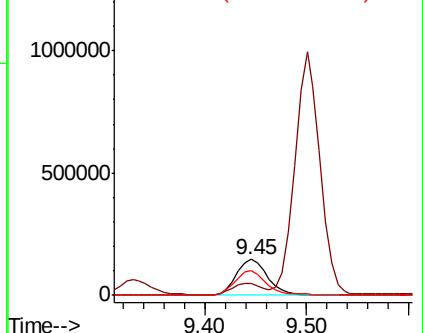
58 69.3 56.2 84.4



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 134.649 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010414.D

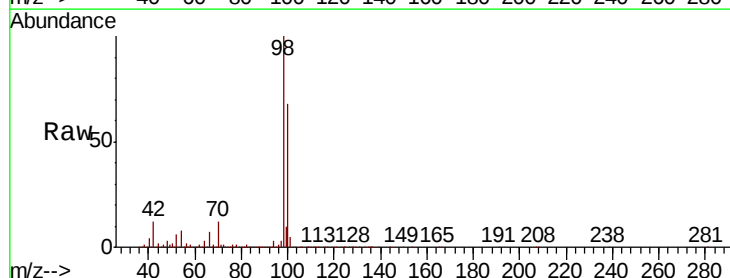
Acq: 16 May 2019 20:55

Tgt Ion: 98 Resp: 5469906

Ion Ratio Lower Upper

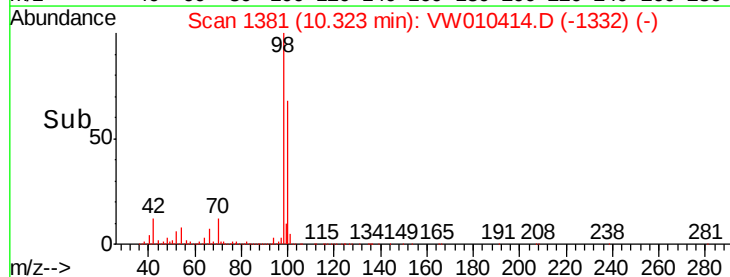
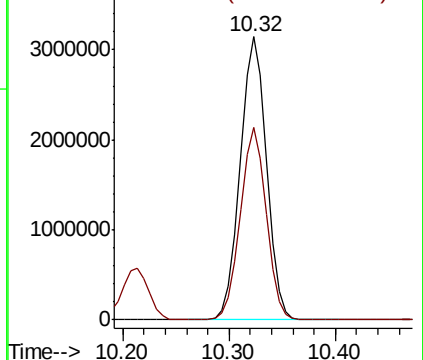
98 100

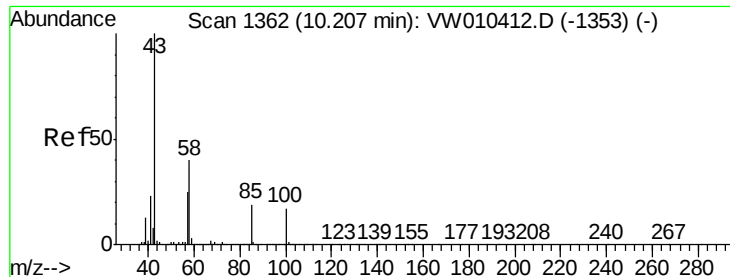
100 67.0 53.6 80.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

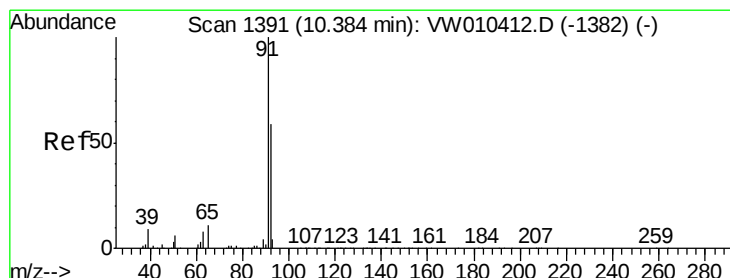
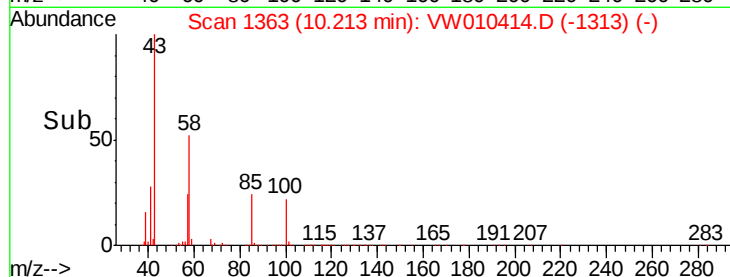
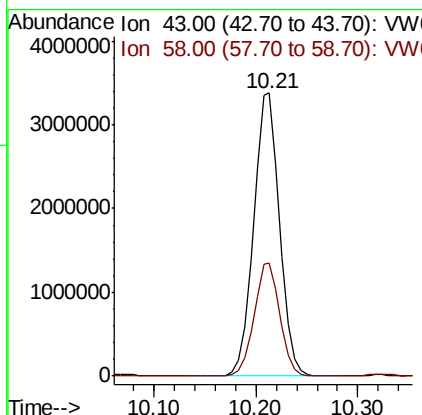
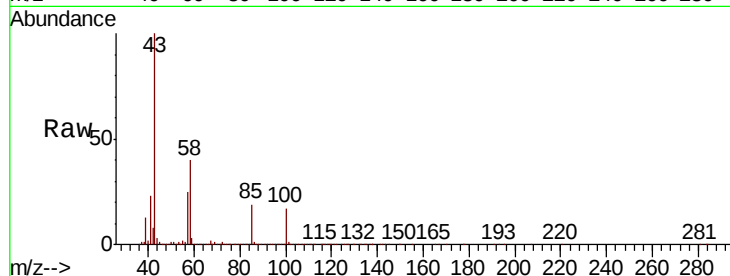




#51
 4-Methyl-2-Pentanone
 Concen: 652.553 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.01 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

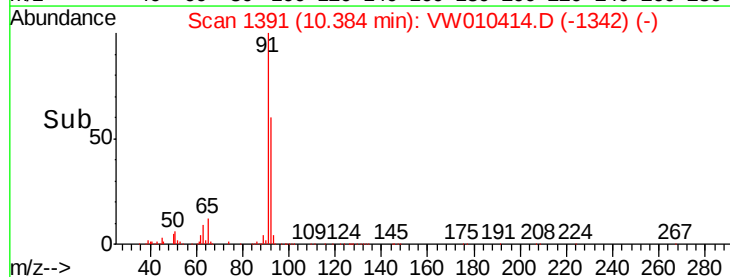
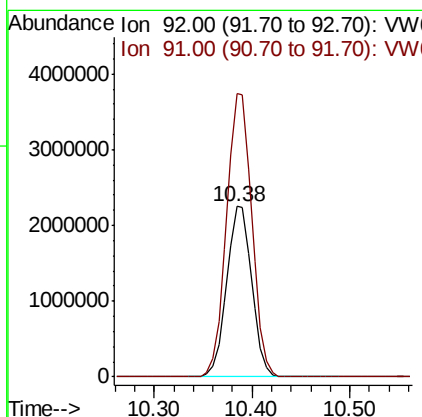
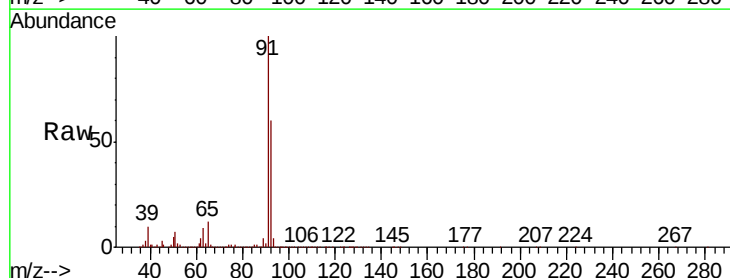
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

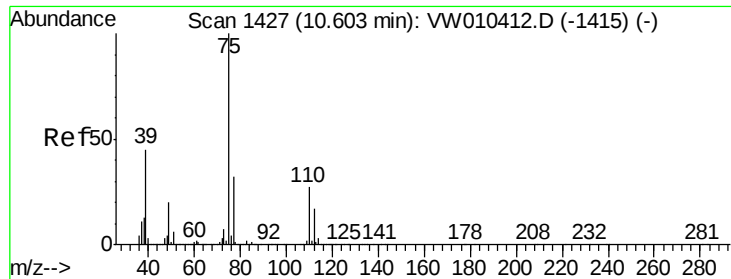
Tgt Ion: 43 Resp: 5977781
 Ion Ratio Lower Upper
 43 100
 58 39.8 32.1 48.1



#52
 Toluene
 Concen: 129.981 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion: 92 Resp: 3992945
 Ion Ratio Lower Upper
 92 100
 91 167.8 134.9 202.3





#53

t-1,3-Dichloropropene

Concen: 145.460 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

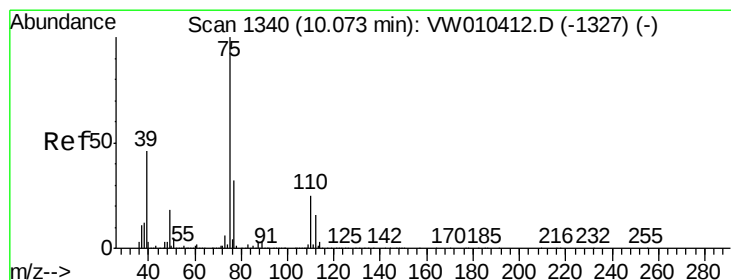
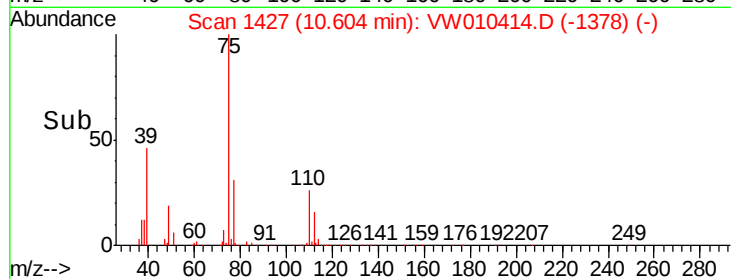
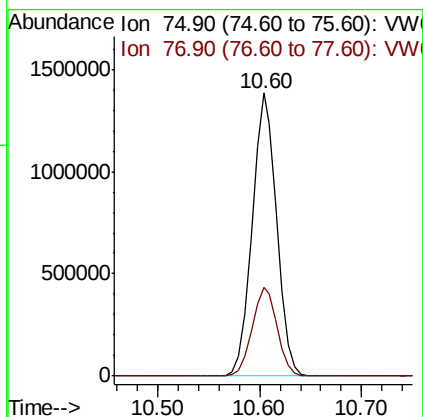
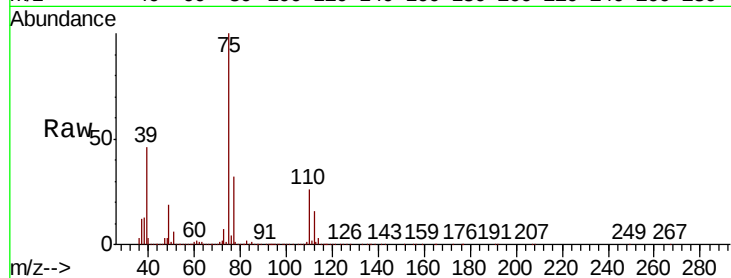
VSTDIC150

Tgt Ion: 75 Resp: 2315101

Ion Ratio Lower Upper

75 100

77 31.5 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 137.370 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

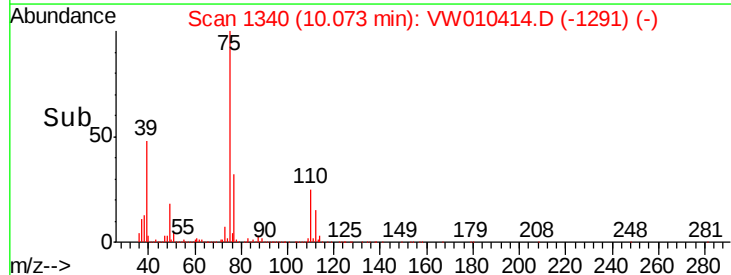
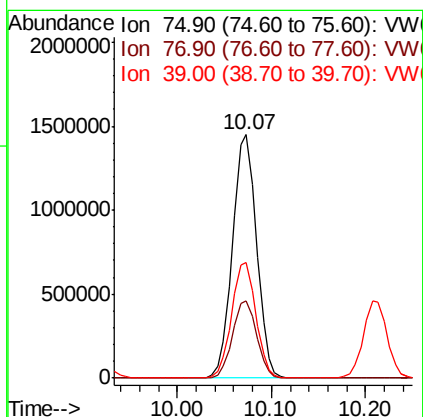
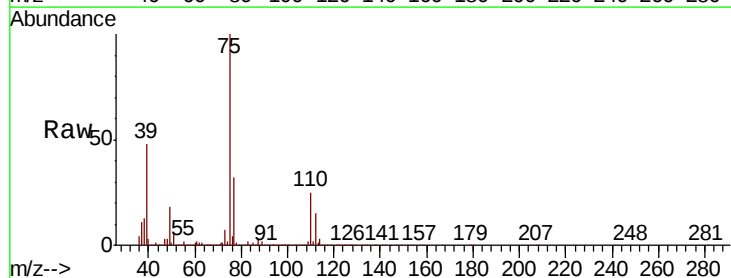
Tgt Ion: 75 Resp: 2571593

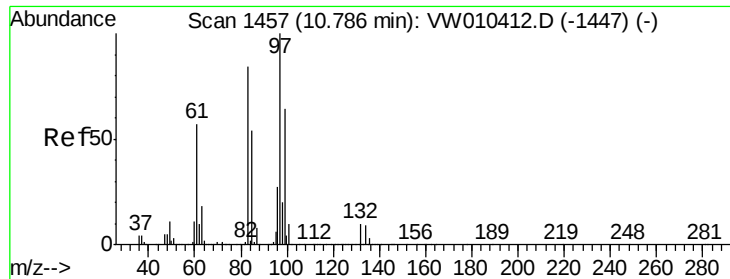
Ion Ratio Lower Upper

75 100

77 31.8 25.5 38.3

39 47.6 37.1 55.7



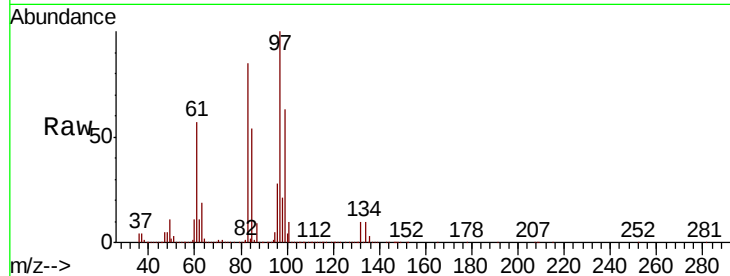


#55
 1,1,2-Trichloroethane
 Concen: 137.611 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

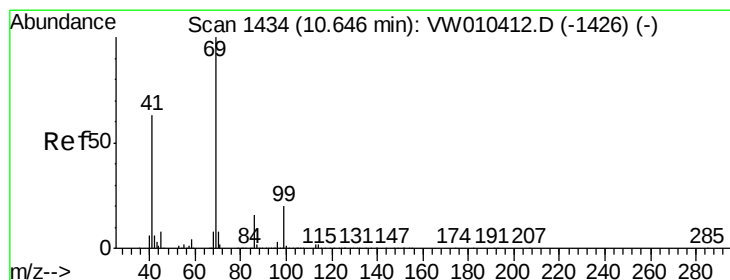
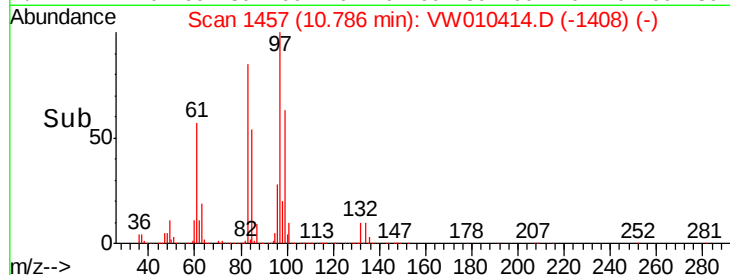
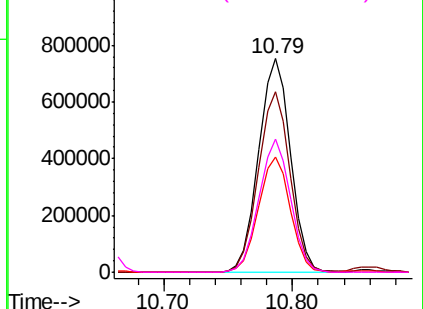
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 97 Resp: 1280841

Ion	Ratio	Lower	Upper
97	100		
83	84.7	67.2	100.8
85	53.6	43.1	64.7
99	62.6	51.3	76.9



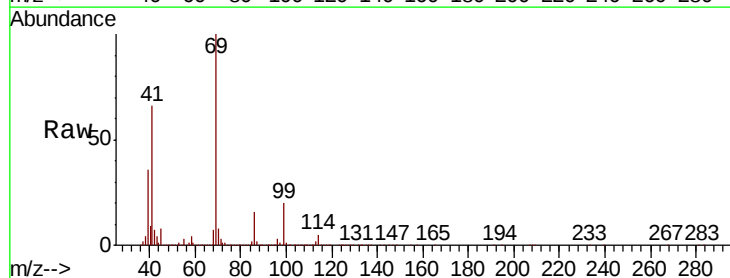
Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW



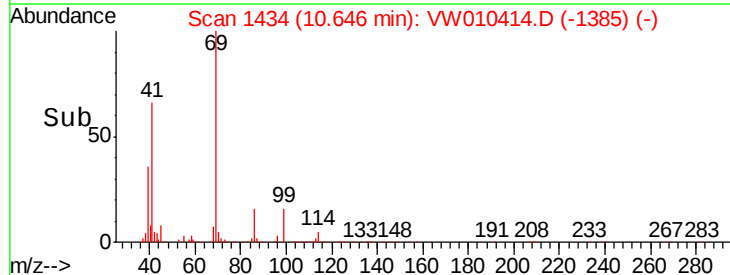
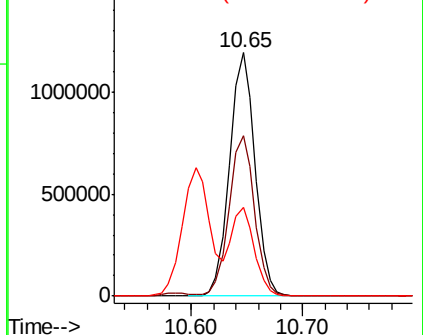
#56
 Ethyl methacrylate
 Concen: 152.493 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

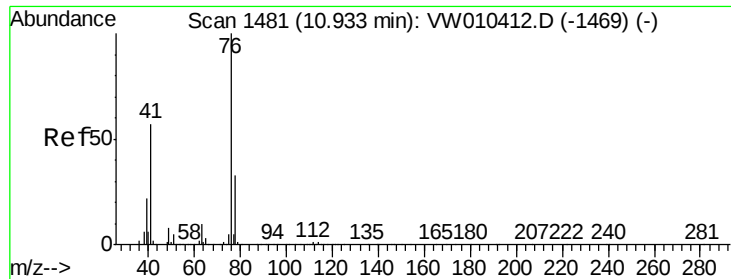
Tgt Ion: 69 Resp: 1881061

Ion	Ratio	Lower	Upper
69	100		
41	65.7	51.7	77.5
39	33.1	26.2	39.2



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

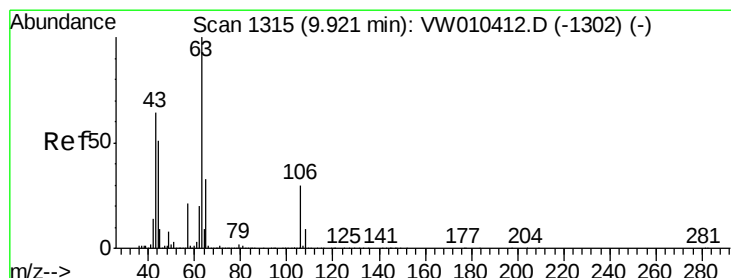
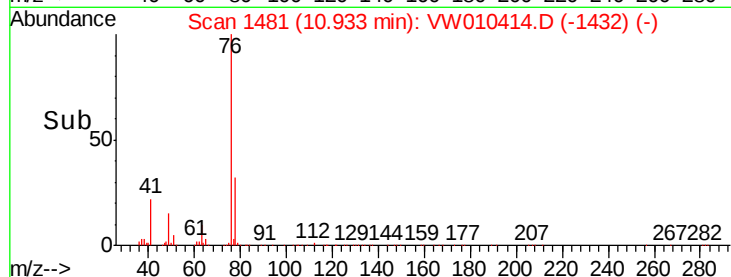
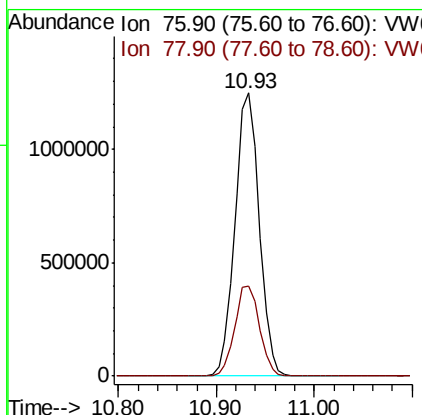
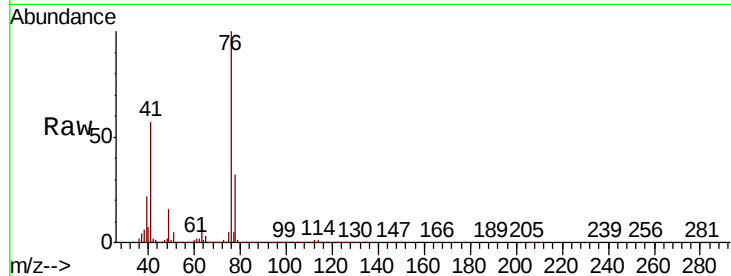




#57
 1,3-Dichloropropane
 Concen: 130.828 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

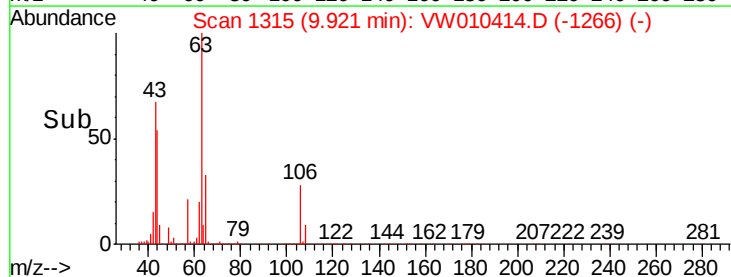
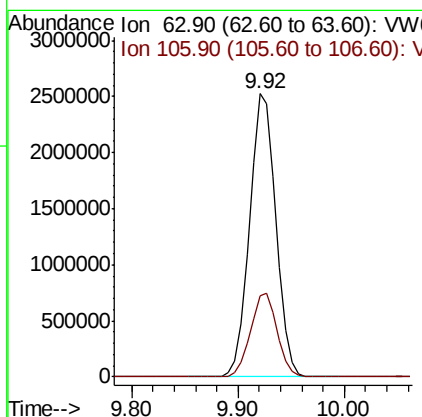
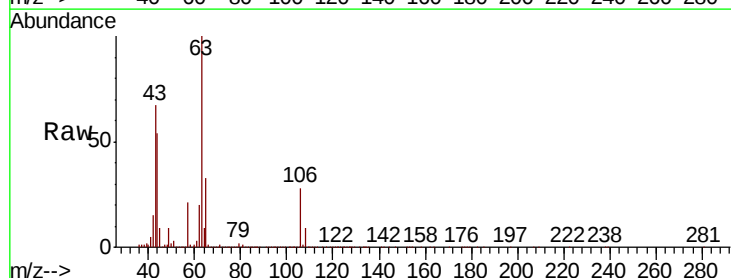
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

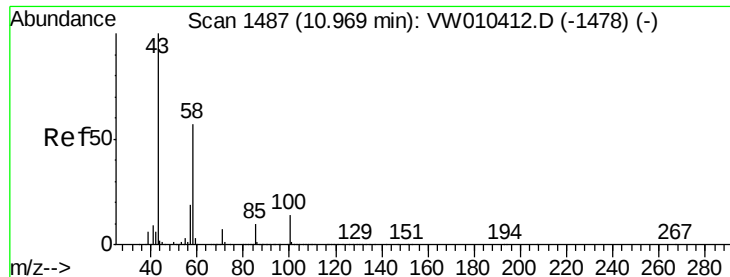
Tgt Ion: 76 Resp: 2145815
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 738.759 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion: 63 Resp: 4368944
 Ion Ratio Lower Upper
 63 100
 106 29.8 24.5 36.7





#59

2-Hexanone

Concen: 658.935 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

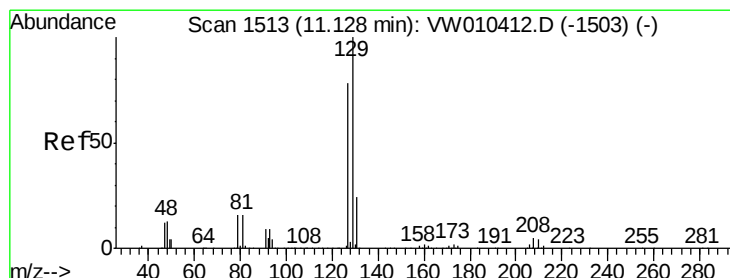
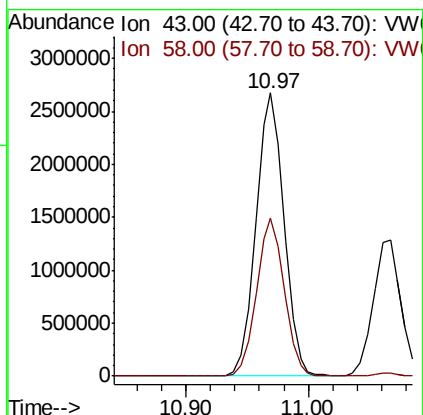
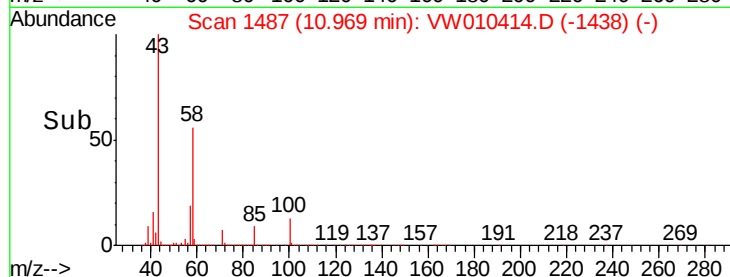
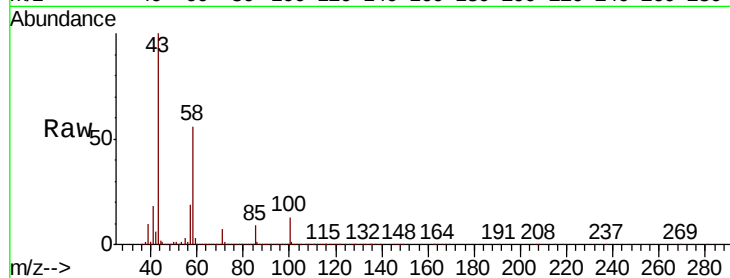
VSTDIC150

Tgt Ion: 43 Resp: 4261881

Ion Ratio Lower Upper

43 100

58 55.1 28.0 83.9



#60

Dibromochloromethane

Concen: 157.147 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW010414.D

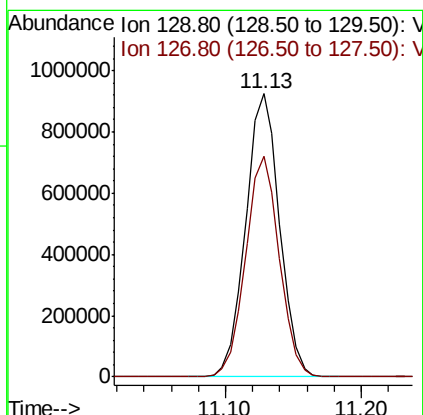
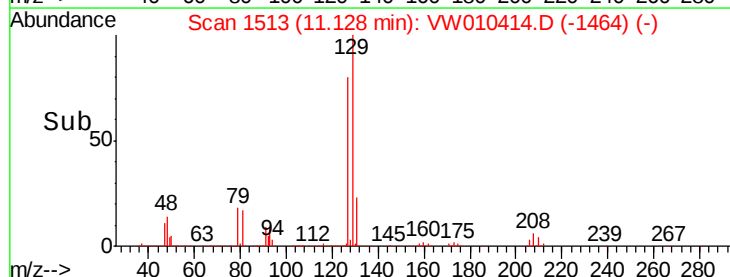
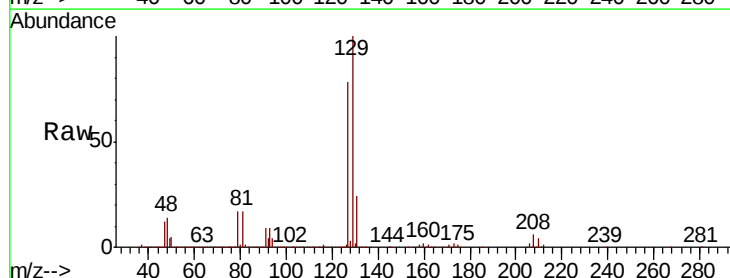
Acq: 16 May 2019 20:55

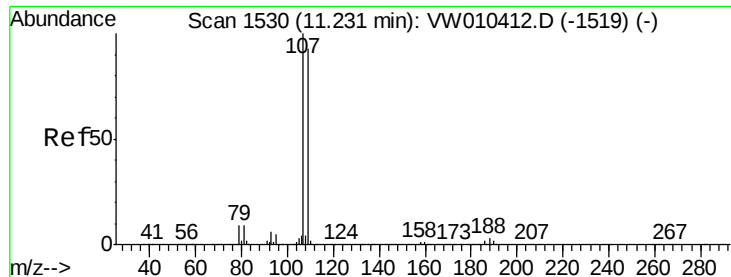
Tgt Ion: 129 Resp: 1611113

Ion Ratio Lower Upper

129 100

127 77.6 39.3 117.9





#61

1,2-Dibromoethane

Concen: 144.200 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

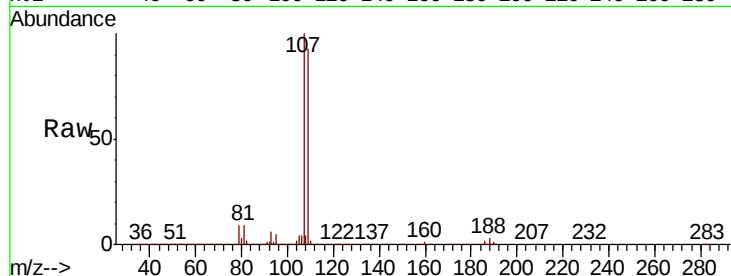
VSTDIC150

Tgt Ion: 107 Resp: 1295694

Ion Ratio Lower Upper

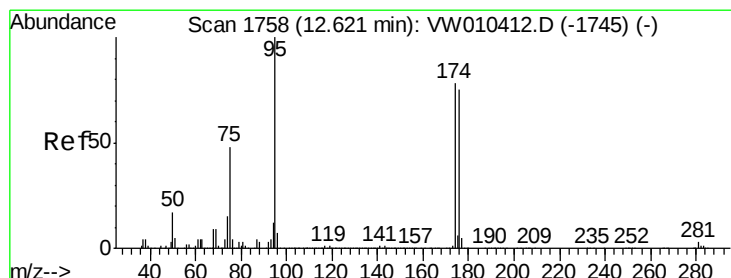
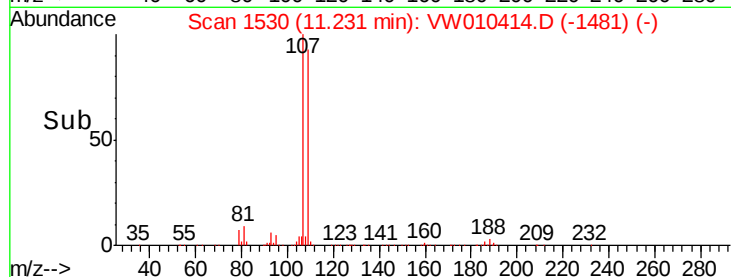
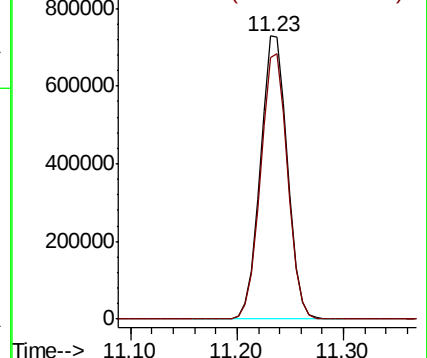
107 100

109 93.9 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 146.365 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

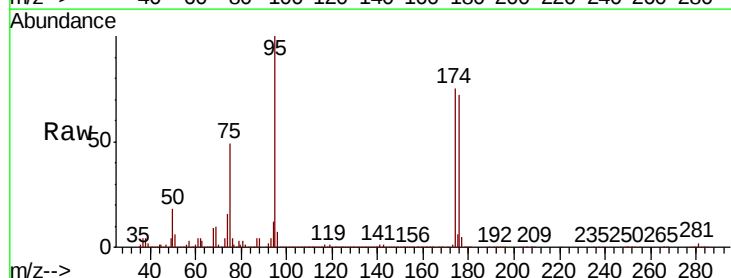
Tgt Ion: 95 Resp: 2135700

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.2

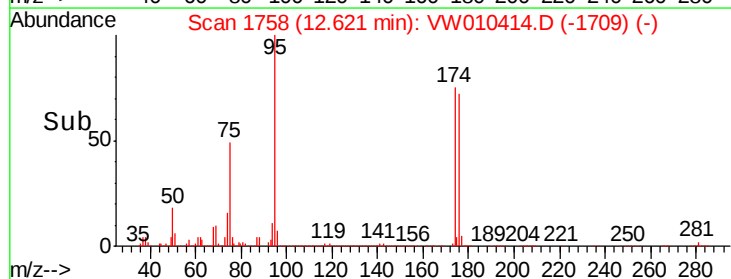
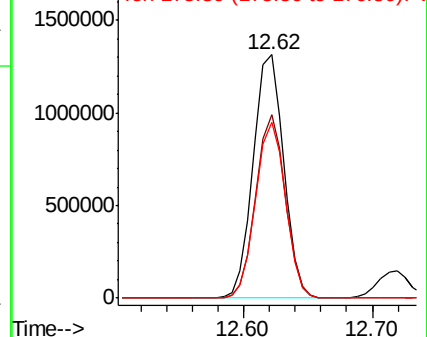
176 71.2 0.0 144.6

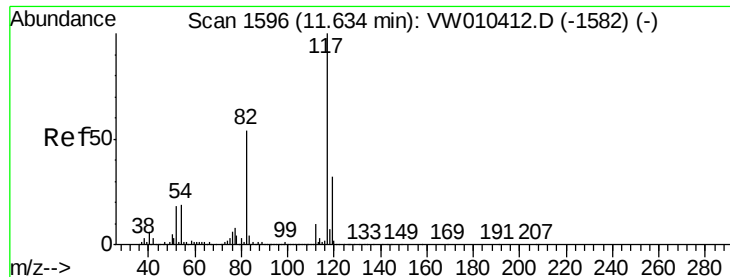


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

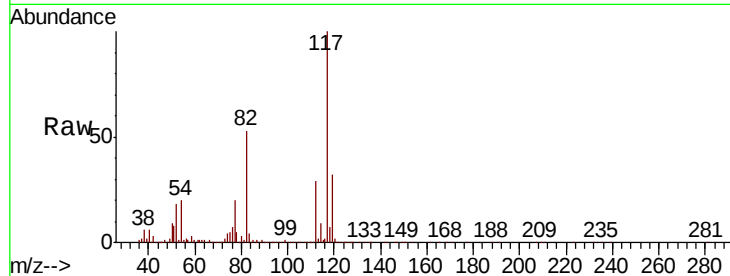




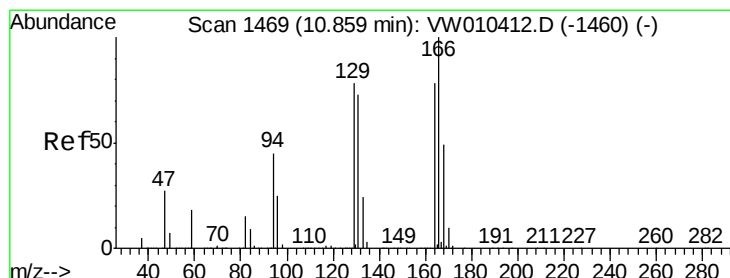
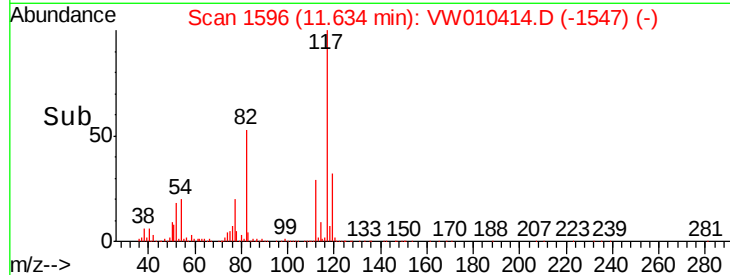
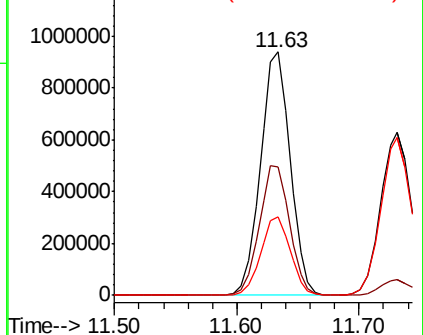
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:117 Resp: 1590157
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.6
119 32.2 25.7 38.5

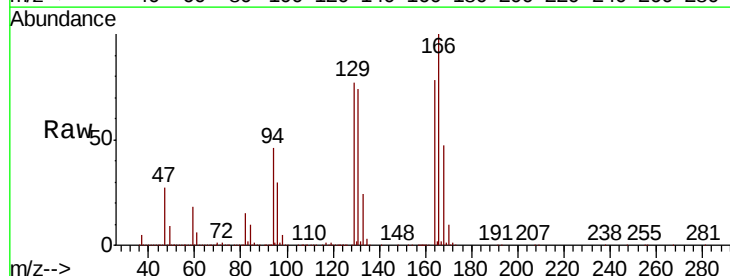


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

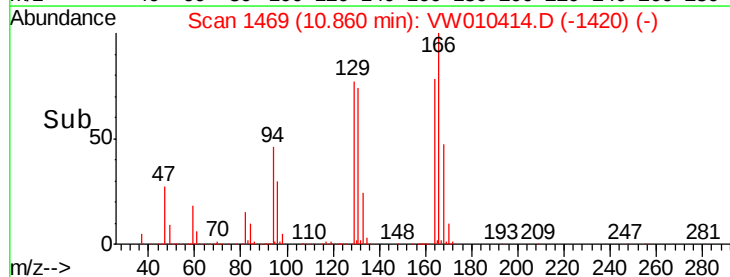
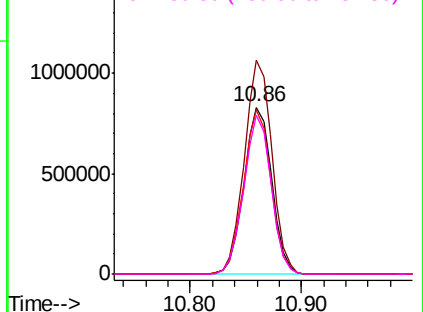


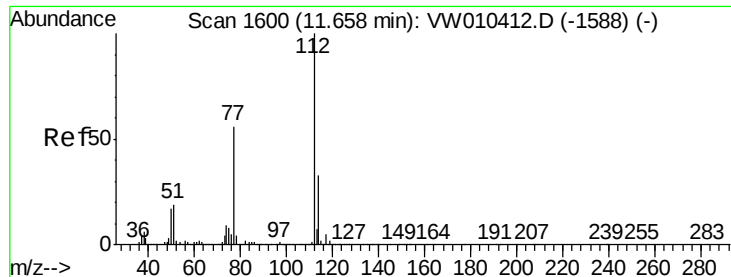
#64
Tetrachloroethene
Concen: 130.080 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion:164 Resp: 1434761
Ion Ratio Lower Upper
164 100
166 128.2 102.3 153.5
129 98.0 79.6 119.4
131 95.2 74.6 112.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

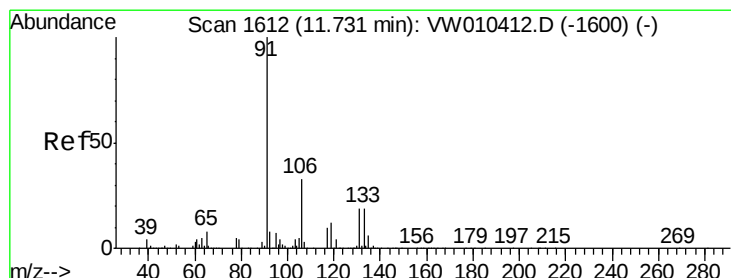
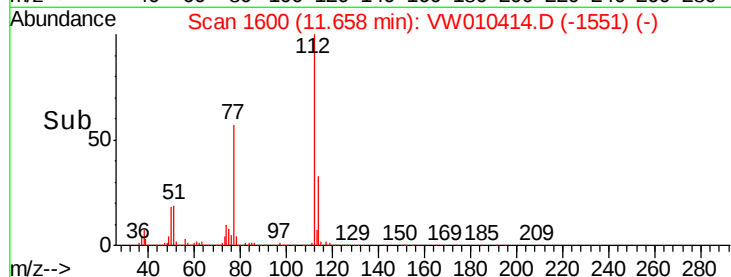
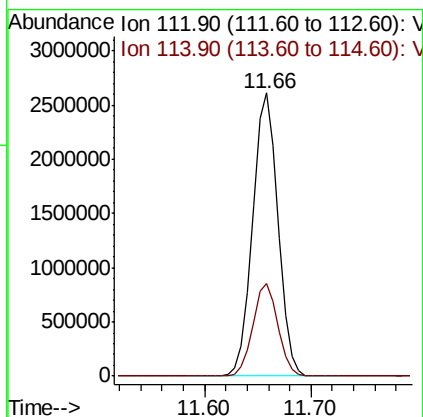
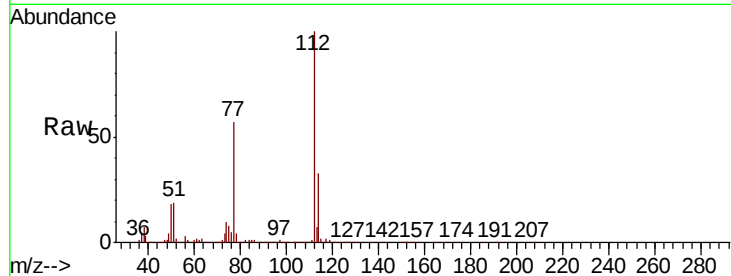




#65
Chlorobenzene
Concen: 132.300 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

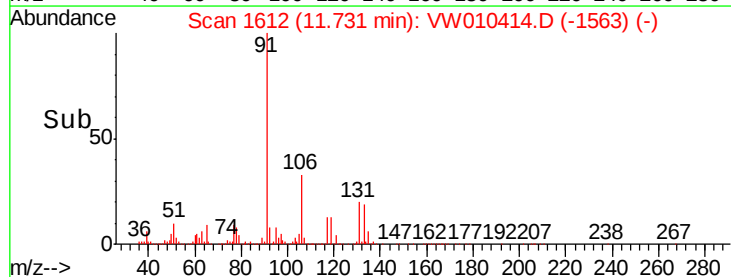
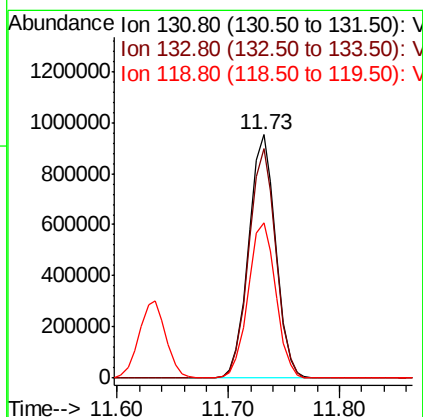
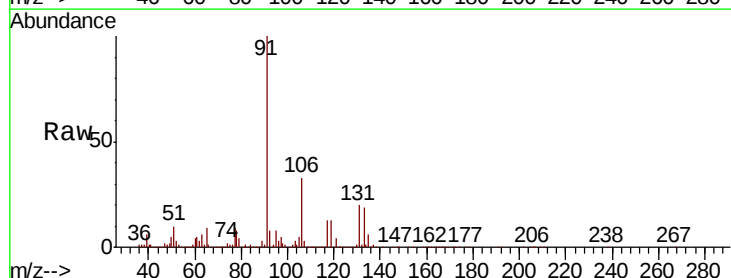
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

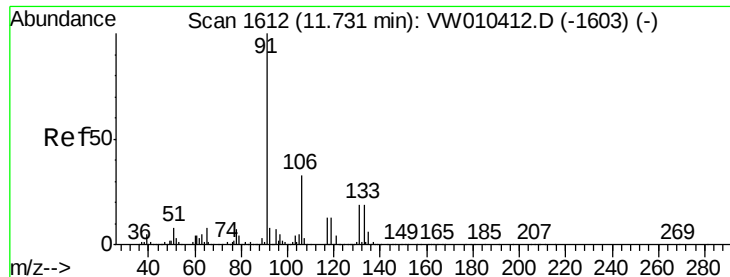
Tgt Ion:112 Resp: 4346911
Ion Ratio Lower Upper
112 100
114 32.7 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 142.824 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion:131 Resp: 1606457
Ion Ratio Lower Upper
131 100
133 94.7 48.0 144.0
119 65.3 32.4 97.0

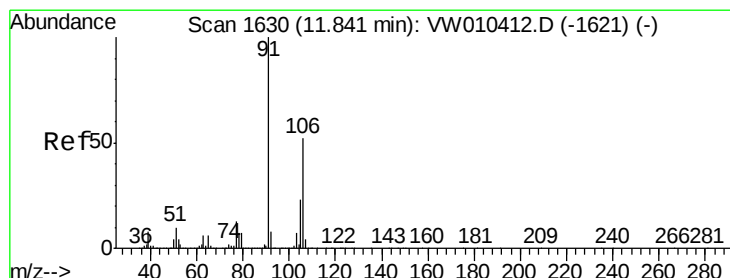
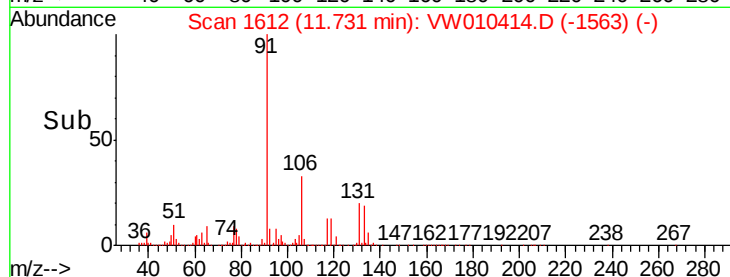
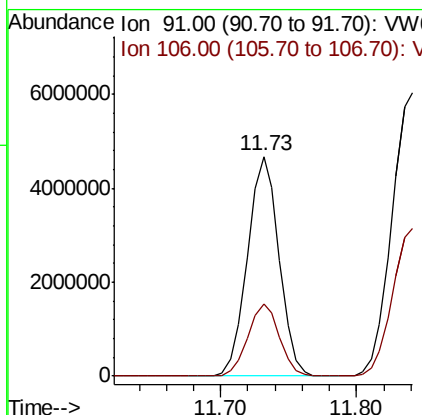
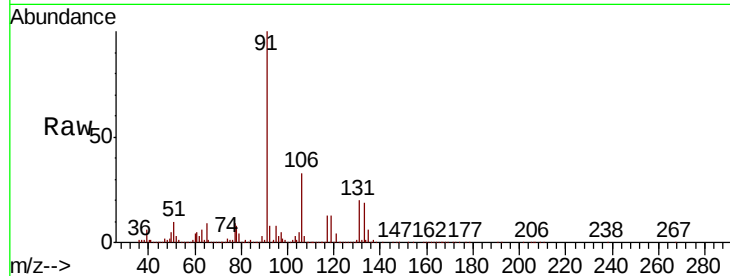




#67
Ethyl Benzene
Concen: 127.242 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

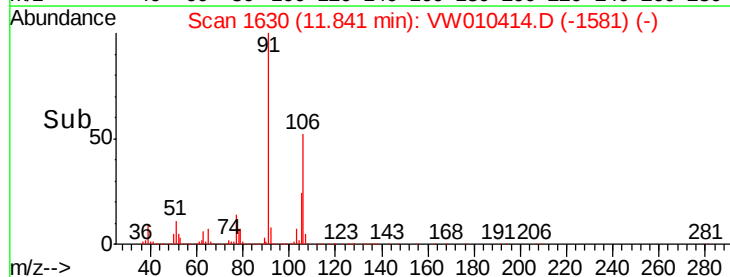
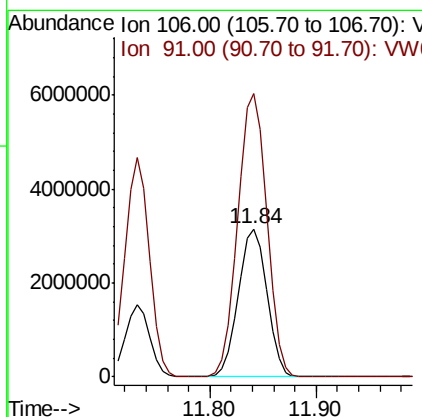
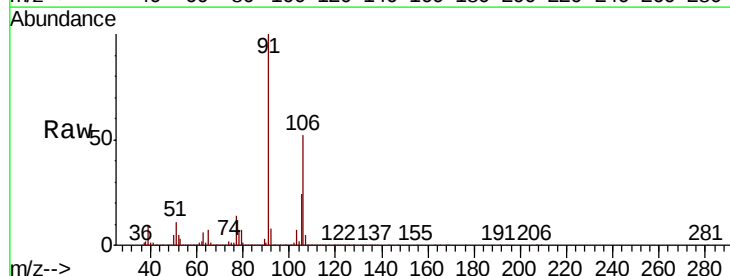
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

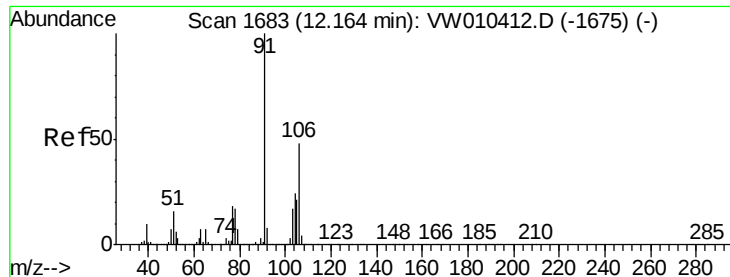
Tgt Ion: 91 Resp: 7581101
Ion Ratio Lower Upper
91 100
106 32.8 26.0 39.0



#68
m/p-Xylenes
Concen: 267.167 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion: 106 Resp: 5966730
Ion Ratio Lower Upper
106 100
91 194.3 156.2 234.2

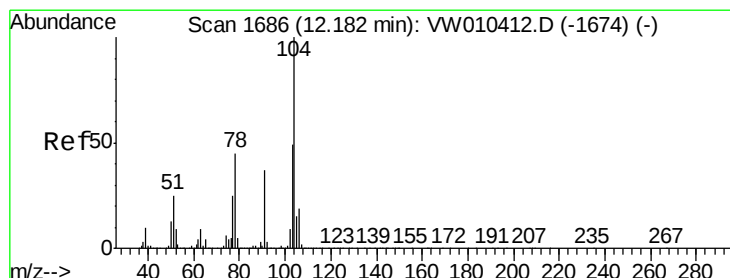
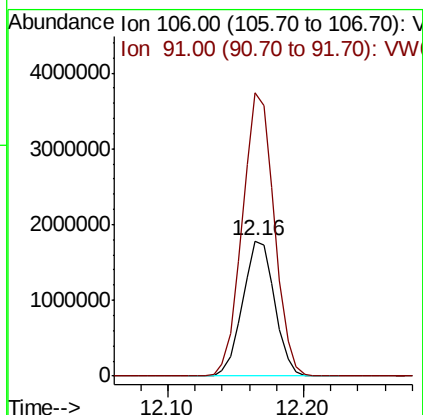
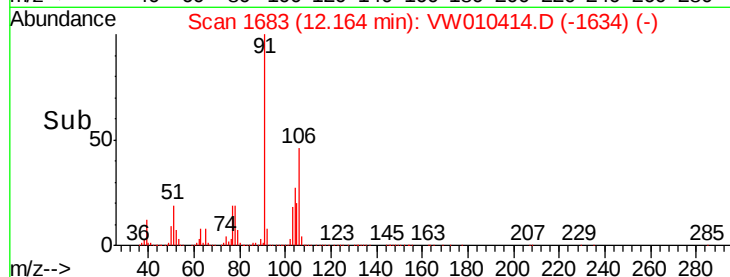
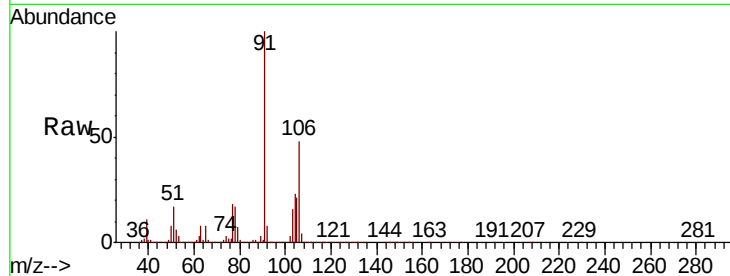




#69
o-Xylene
Concen: 143.698 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

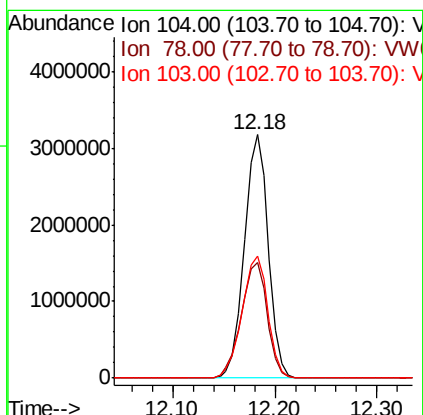
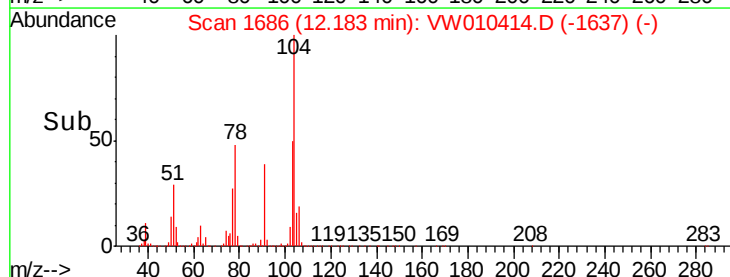
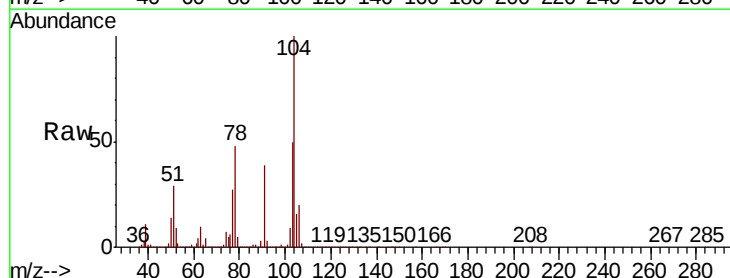
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

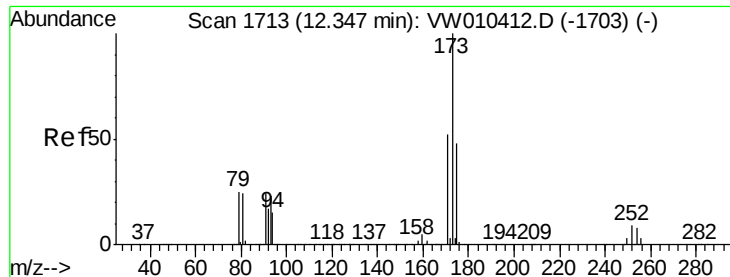
Tgt Ion:106 Resp: 2931224
Ion Ratio Lower Upper
106 100
91 208.6 102.8 308.3



#70
Styrene
Concen: 145.557 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion:104 Resp: 5165859
Ion Ratio Lower Upper
104 100
78 51.5 39.4 59.2
103 54.1 42.6 64.0





#71

Bromoform

Concen: 149.839 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

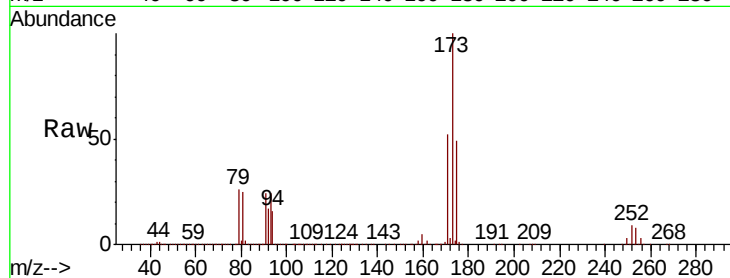
Tgt Ion:173 Resp: 975045

Ion Ratio Lower Upper

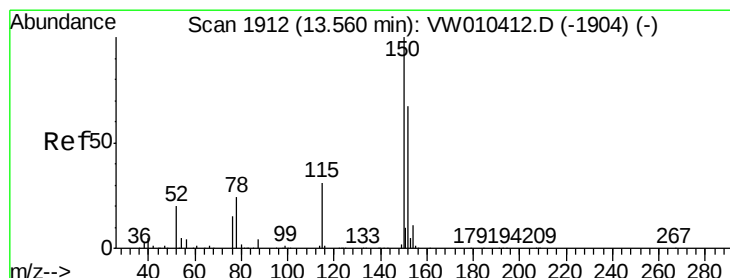
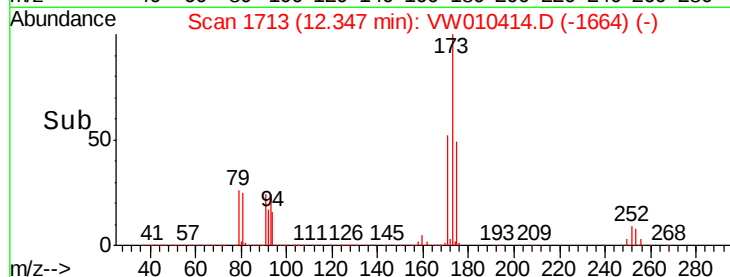
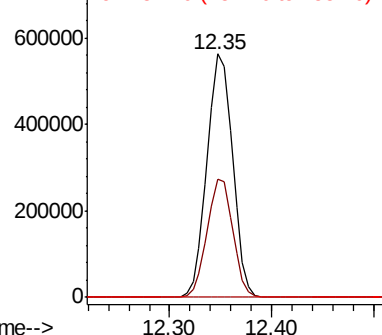
173 100

175 48.8 24.1 72.2

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

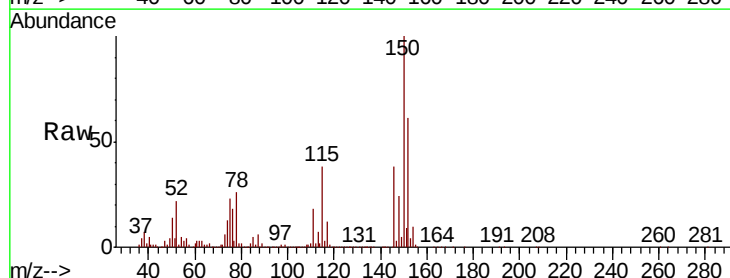
Tgt Ion:152 Resp: 748170

Ion Ratio Lower Upper

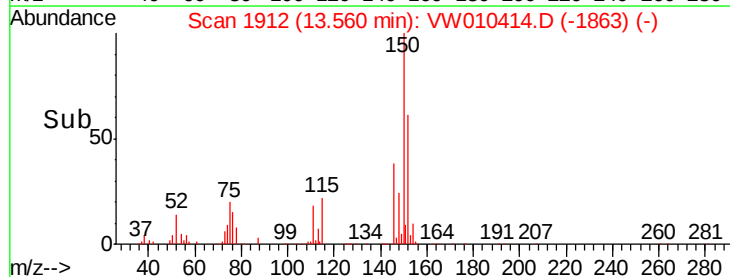
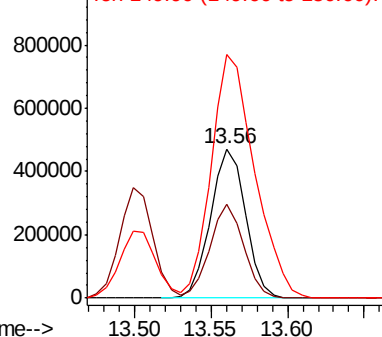
152 100

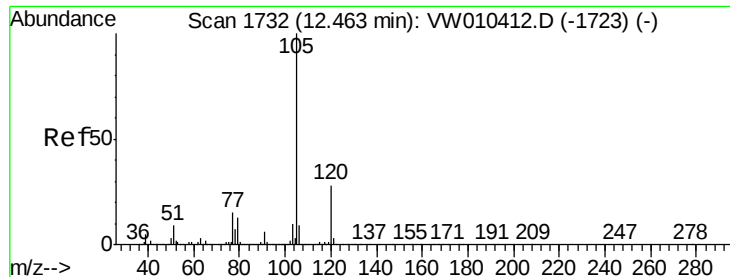
115 60.6 30.2 90.6

150 202.1 0.0 348.0



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





#73

Isopropylbenzene

Concen: 140.201 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

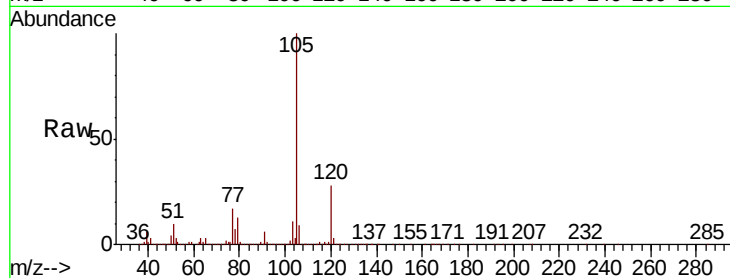
VSTDIC150

Tgt Ion:105 Resp: 7603072

Ion Ratio Lower Upper

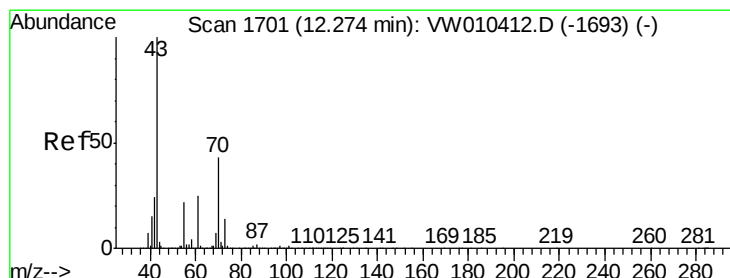
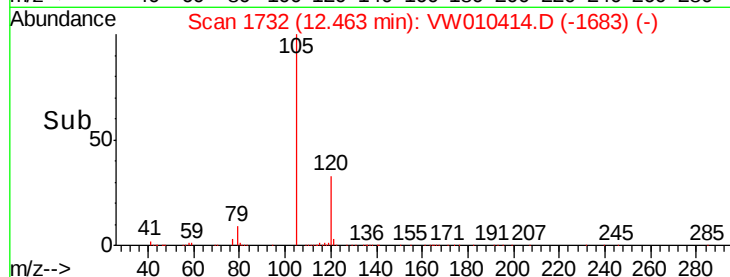
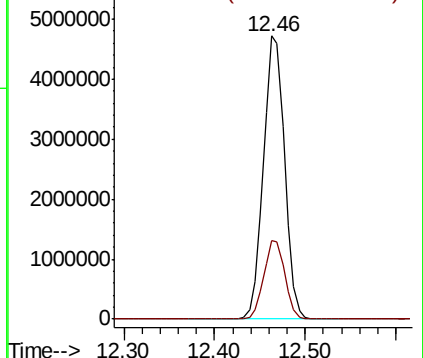
105 100

120 27.8 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 169.578 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Tgt Ion: 43 Resp: 2429141

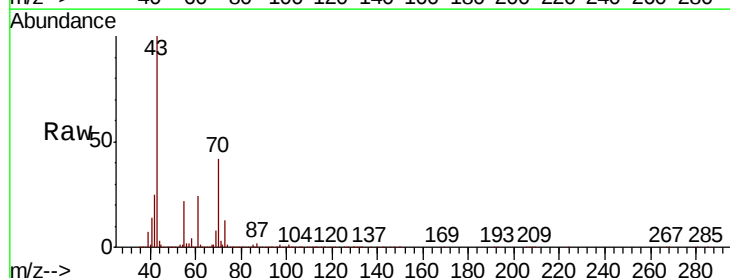
Ion Ratio Lower Upper

43 100

70 41.8 34.6 51.8

55 22.4 17.8 26.8

61 24.4 20.1 30.1

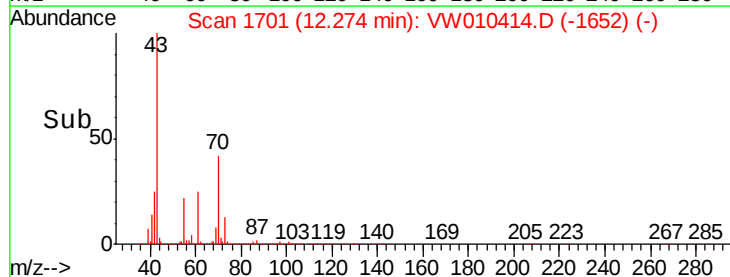
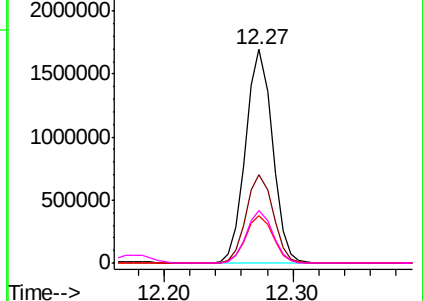


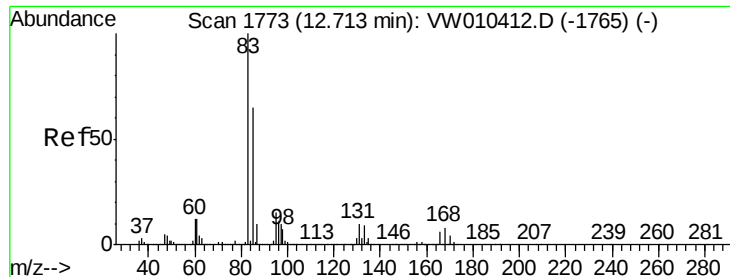
Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV





#75

1,1,2,2-Tetrachloroethane

Concen: 131.939 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

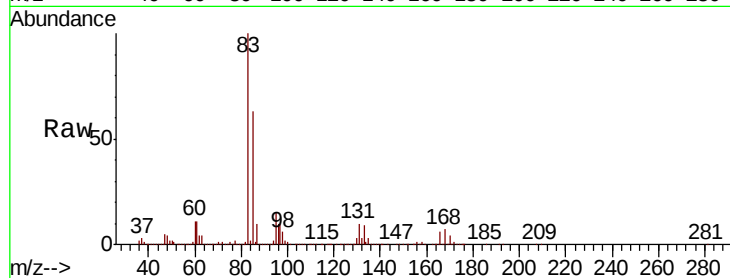
Tgt Ion: 83 Resp: 1570688

Ion Ratio Lower Upper

83 100

131 10.7 5.4 16.2

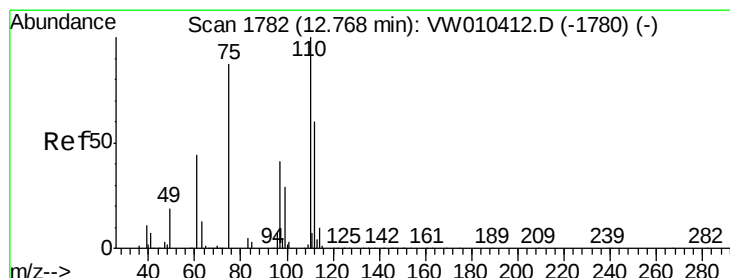
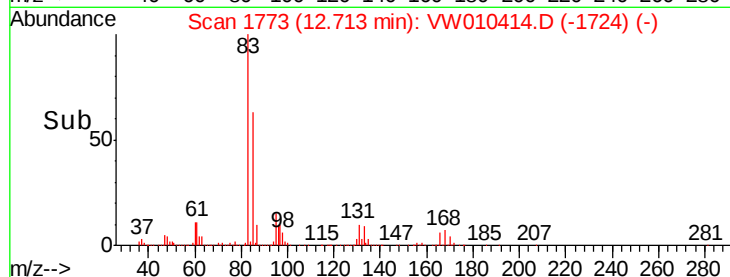
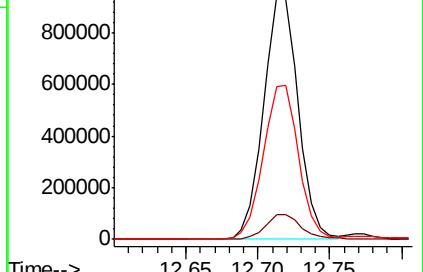
85 64.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 240.265 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010414.D

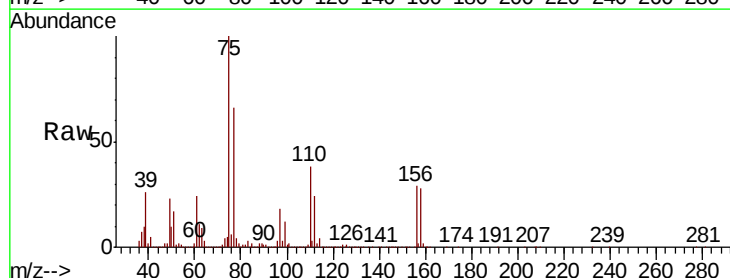
Acq: 16 May 2019 20:55

Tgt Ion: 75 Resp: 2057010

Ion Ratio Lower Upper

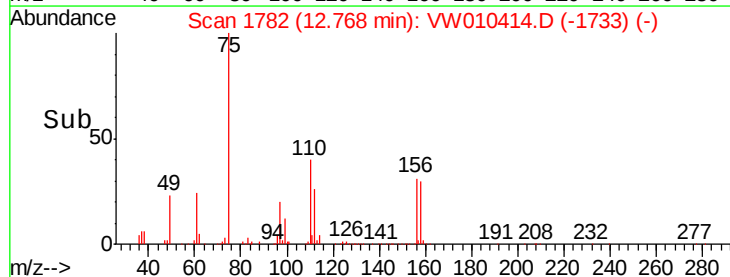
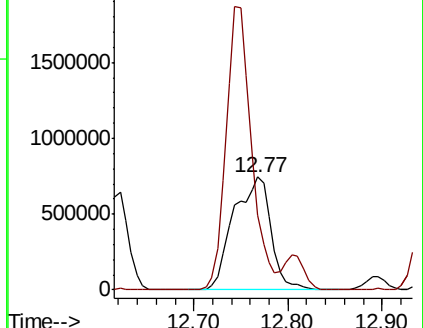
75 100

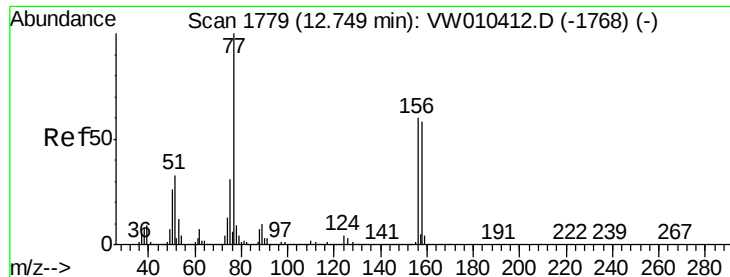
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 143.568 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

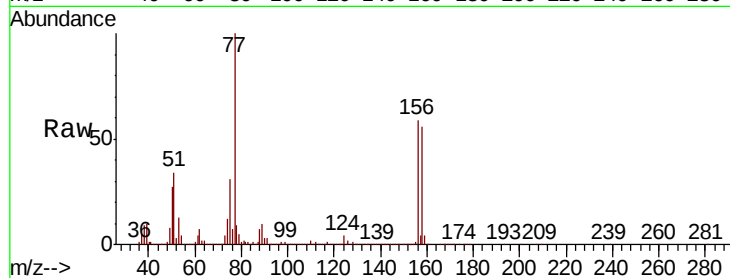
Tgt Ion:156 Resp: 1784511

Ion Ratio Lower Upper

156 100

77 195.9 95.4 286.2

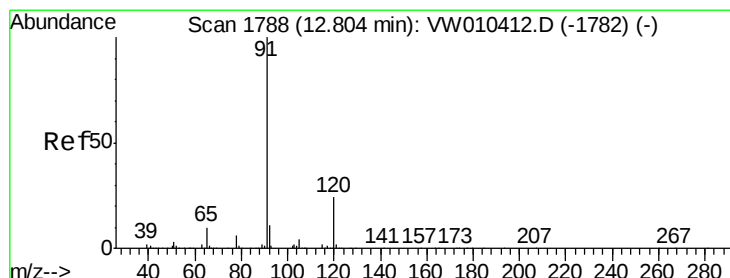
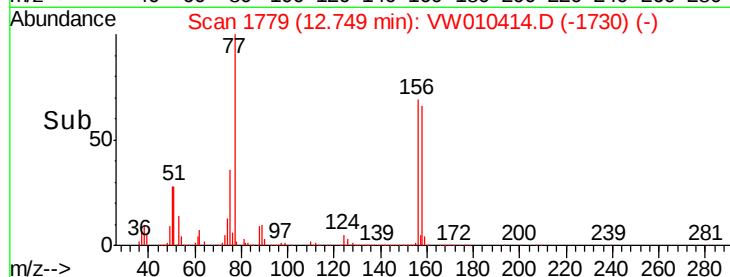
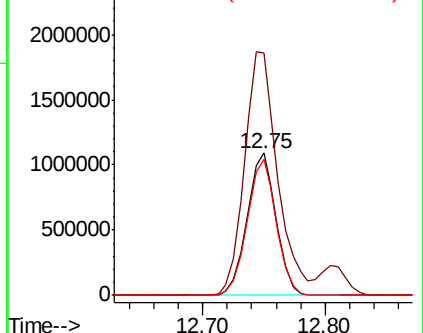
158 96.1 49.0 147.0



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 131.815 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010414.D

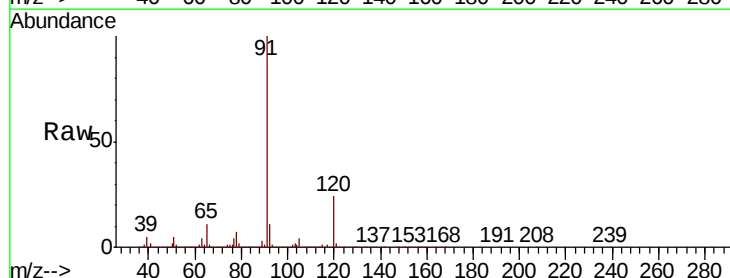
Acq: 16 May 2019 20:55

Tgt Ion: 91 Resp: 8746220

Ion Ratio Lower Upper

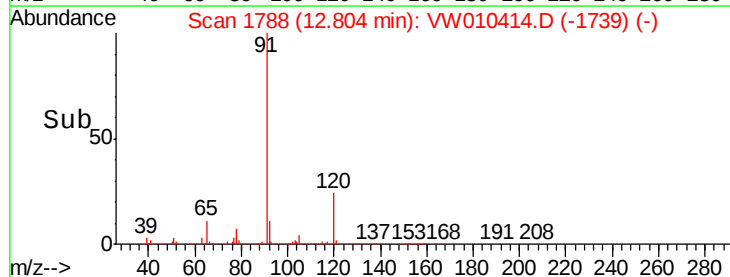
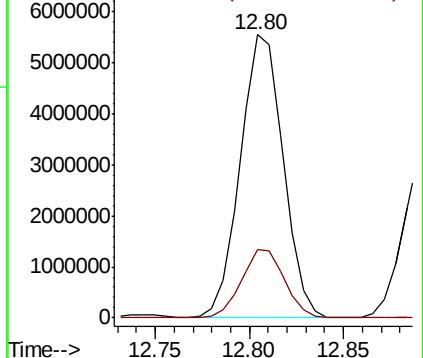
91 100

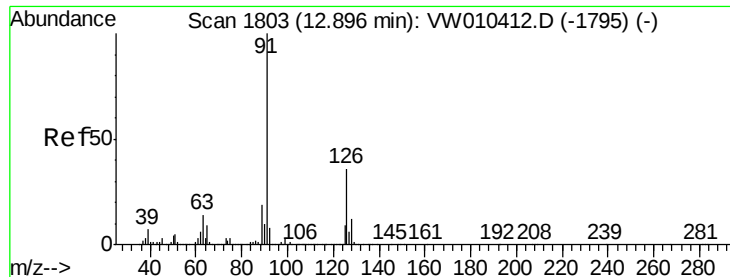
120 24.1 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 137.232 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

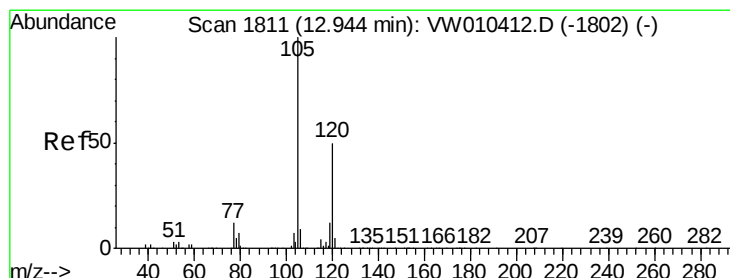
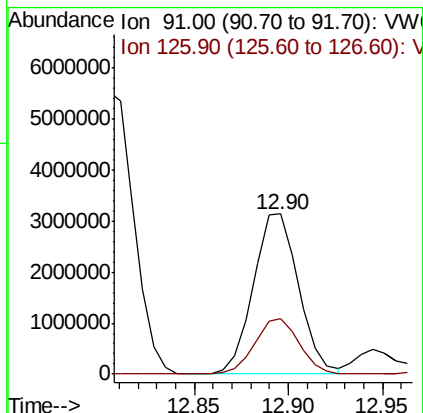
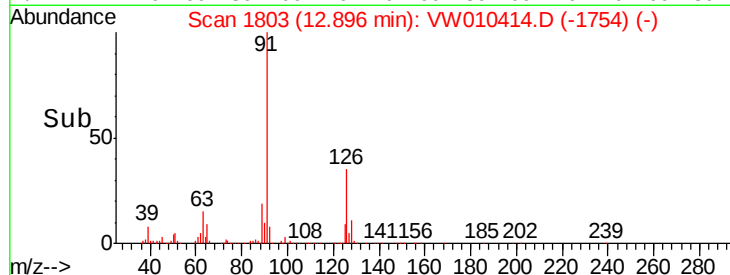
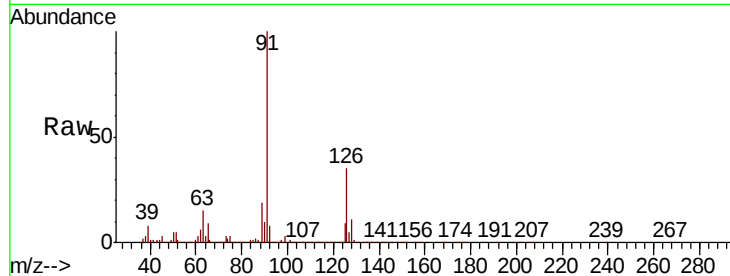
VSTDIC150

Tgt Ion: 91 Resp: 5240832

Ion Ratio Lower Upper

91 100

126 34.0 17.3 51.9



#80

1,3,5-Trimethylbenzene

Concen: 140.595 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010414.D

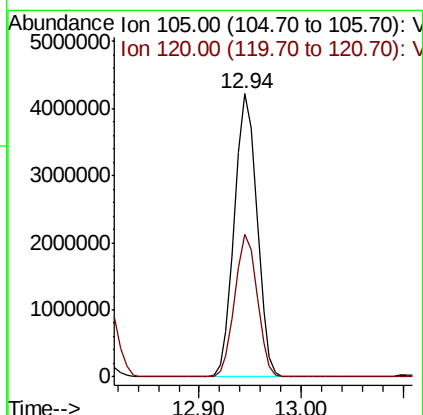
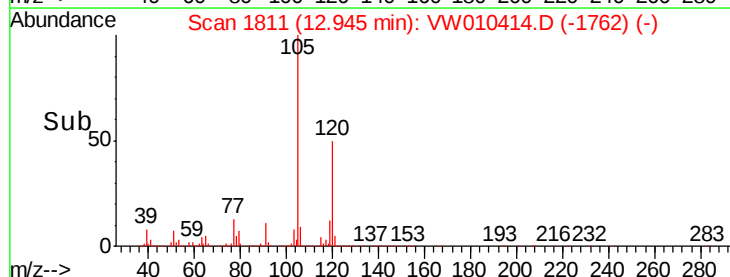
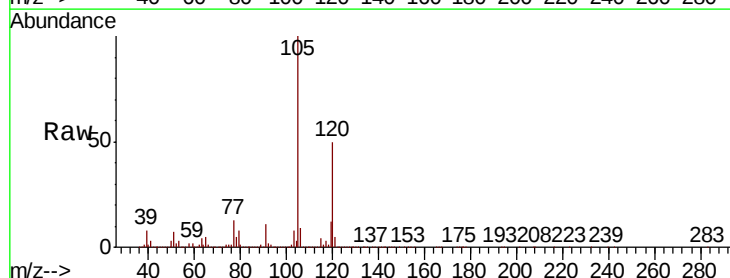
Acq: 16 May 2019 20:55

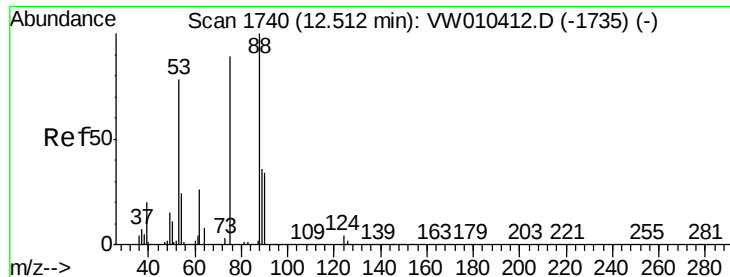
Tgt Ion: 105 Resp: 6446824

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 153.204 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

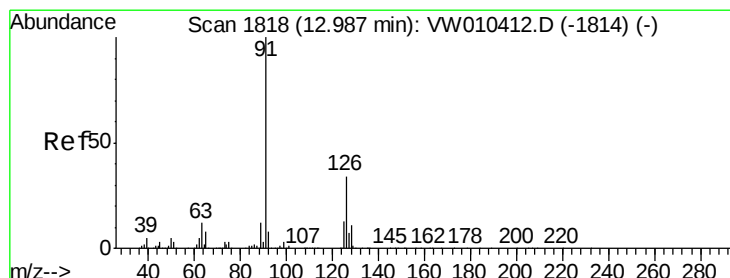
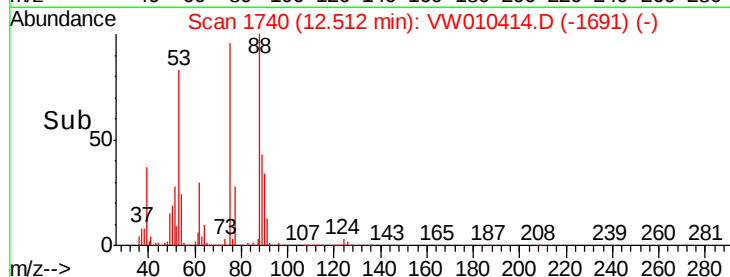
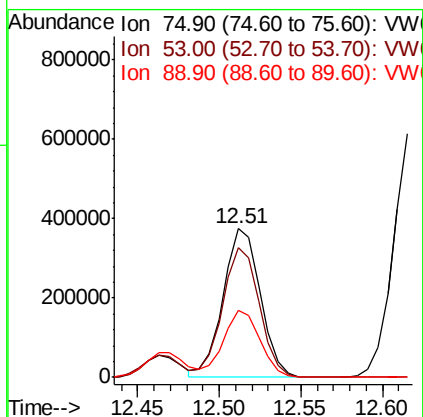
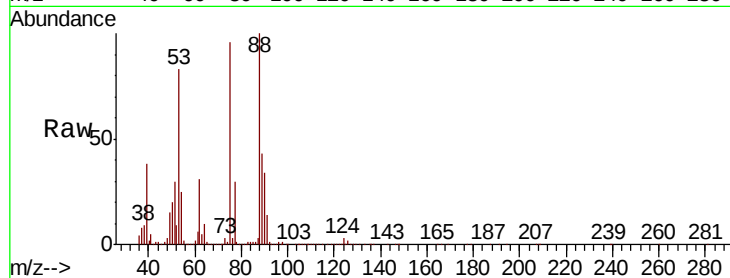
Tgt Ion: 75 Resp: 593632

Ion Ratio Lower Upper

75 100

53 87.1 71.0 106.6

89 44.5 37.4 56.2



#82

4-Chlorotoluene

Concen: 139.169 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010414.D

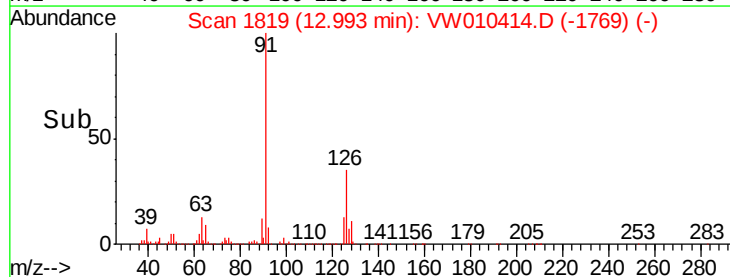
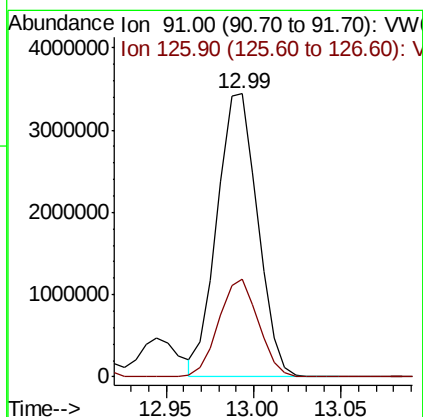
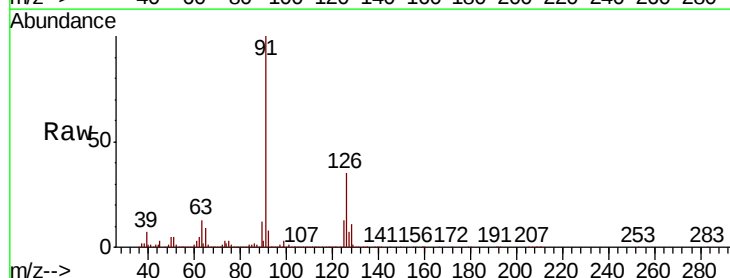
Acq: 16 May 2019 20:55

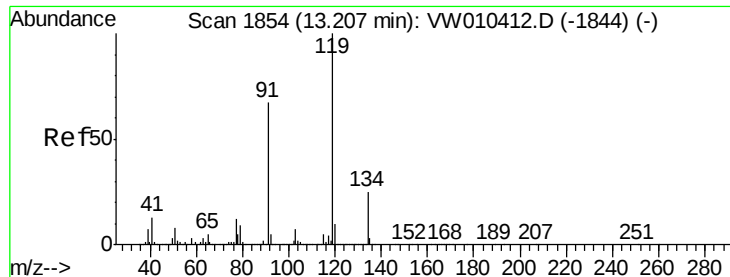
Tgt Ion: 91 Resp: 5563311

Ion Ratio Lower Upper

91 100

126 33.9 17.2 51.6





#83

tert-Butylbenzene

Concen: 140.856 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

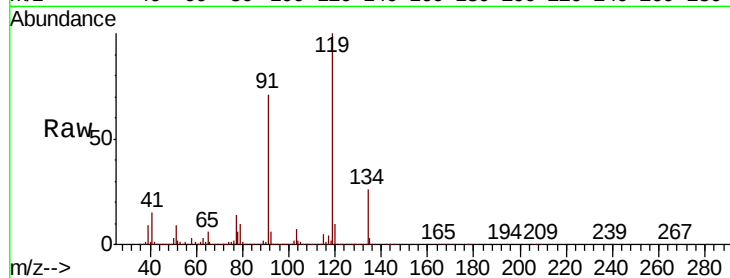
Tgt Ion:119 Resp: 5407169

Ion Ratio Lower Upper

119 100

91 69.1 33.8 101.4

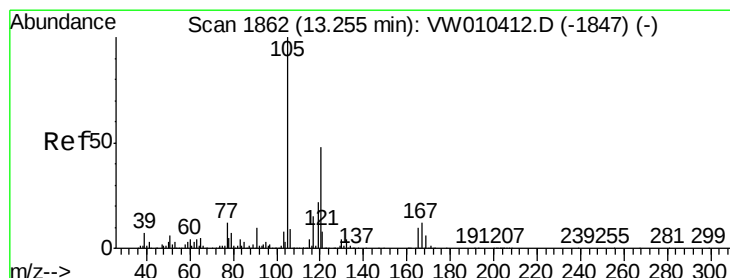
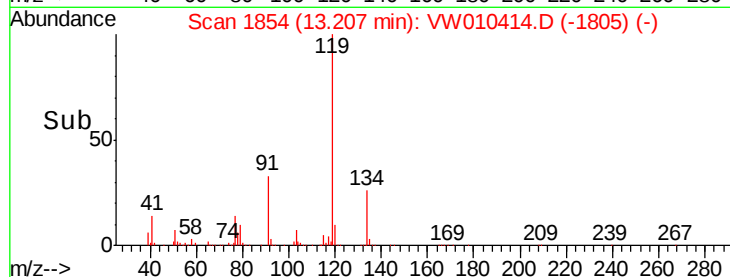
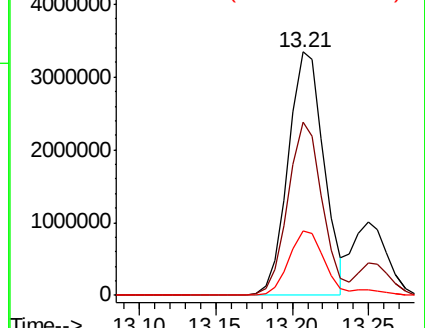
134 27.9 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 141.669 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010414.D

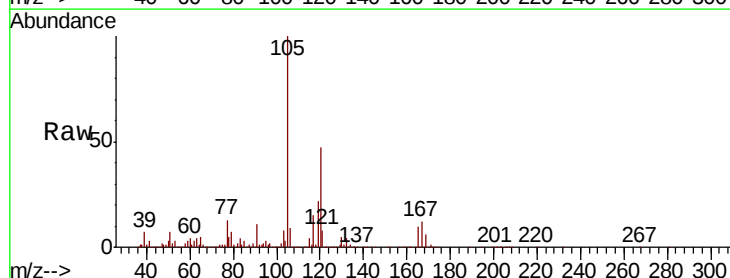
Acq: 16 May 2019 20:55

Tgt Ion:105 Resp: 6468253

Ion Ratio Lower Upper

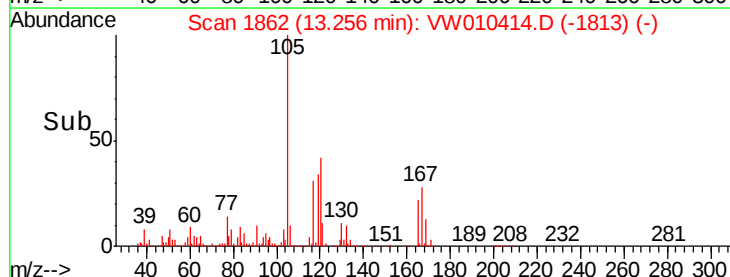
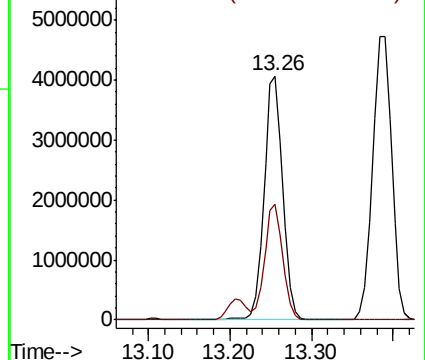
105 100

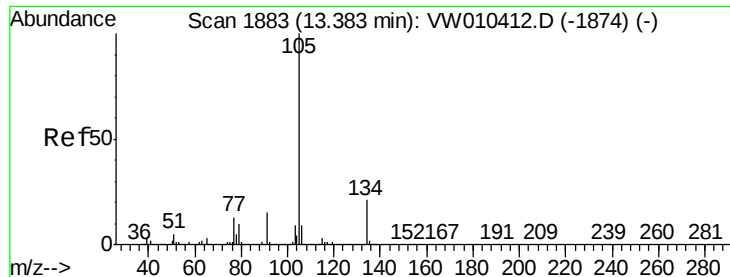
120 46.3 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

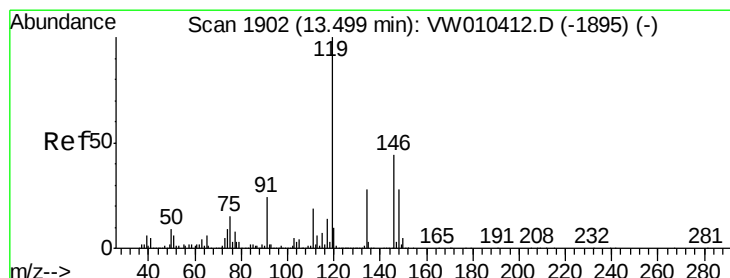
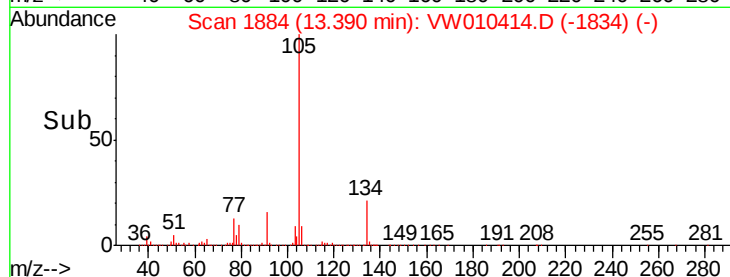
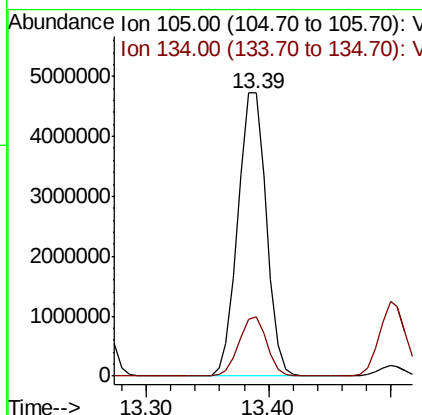
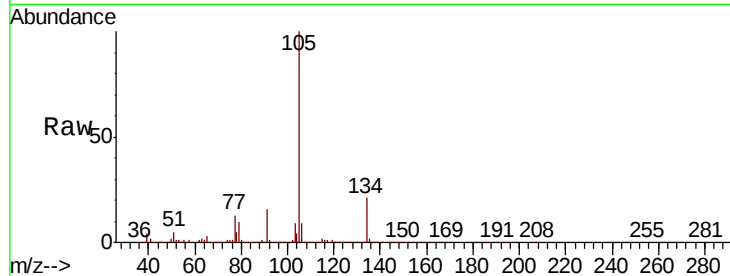




#85
 sec-Butylbenzene
 Concen: 135.037 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

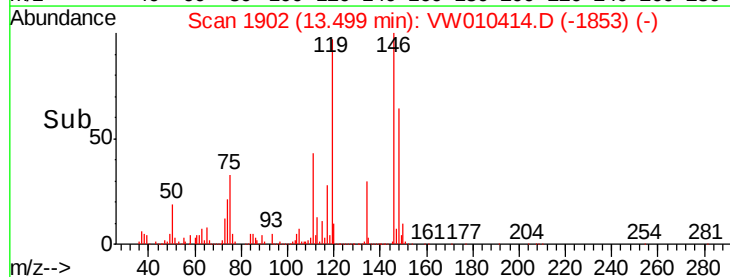
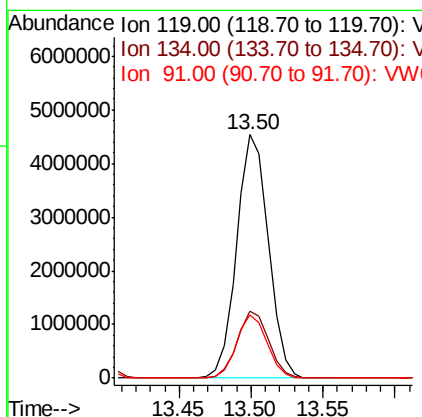
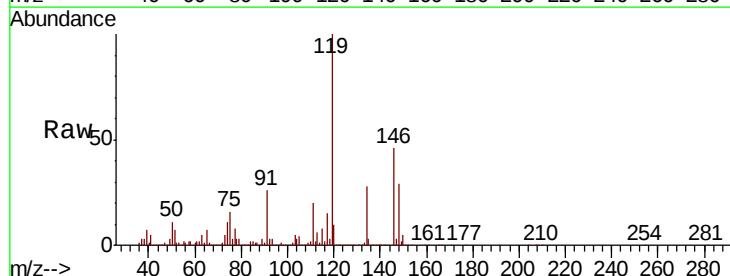
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

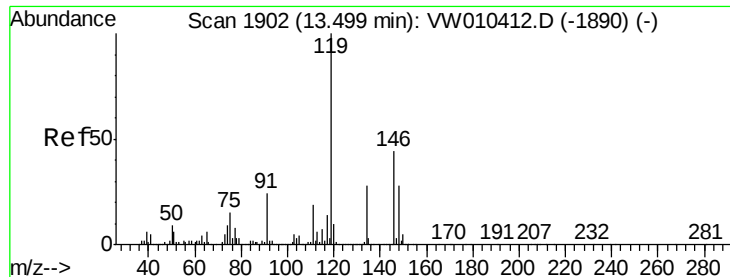
Tgt Ion:105 Resp: 7584396
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 138.356 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion:119 Resp: 6914034
 Ion Ratio Lower Upper
 119 100
 134 27.2 13.6 40.8
 91 25.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 138.268 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

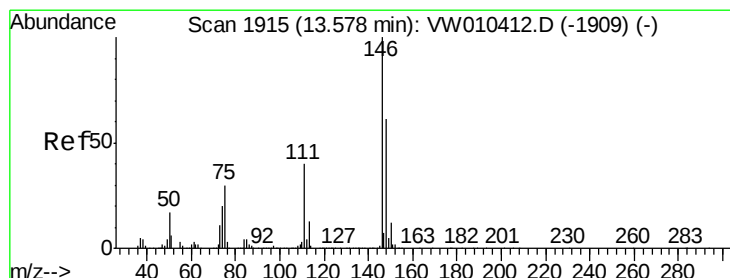
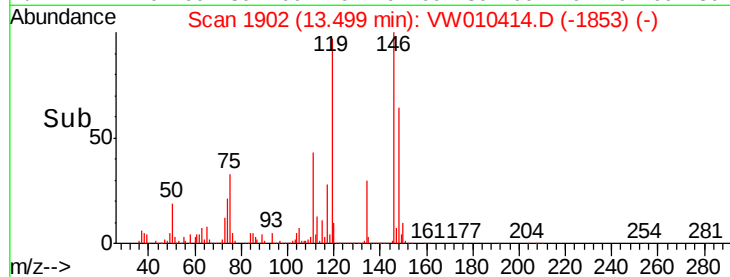
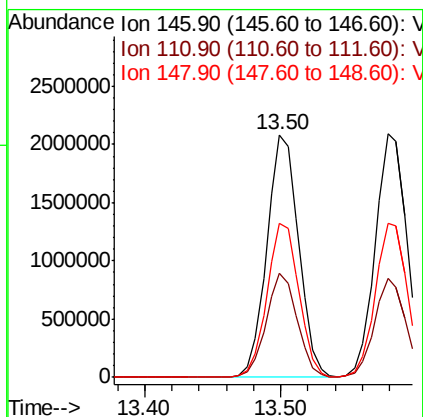
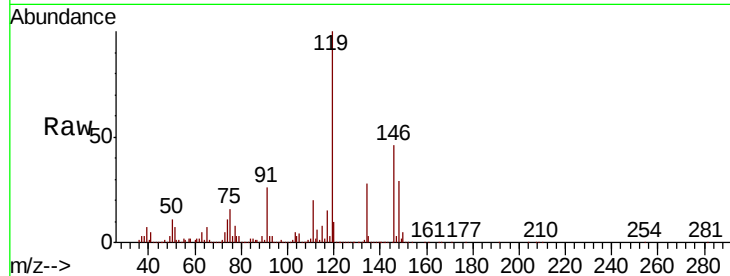
Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:146 Resp: 3401002

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.8	31.7	95.1



#88

1,4-Dichlorobenzene

Concen: 137.419 ug/l

RT: 13.58 min Scan# 1915

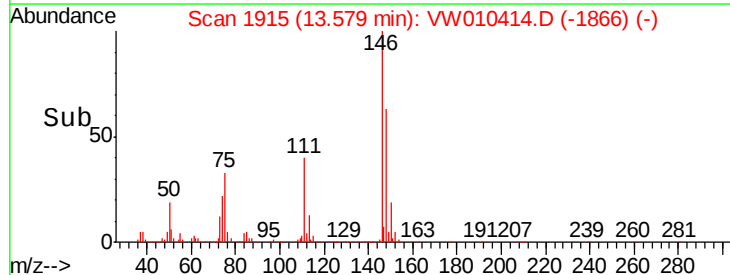
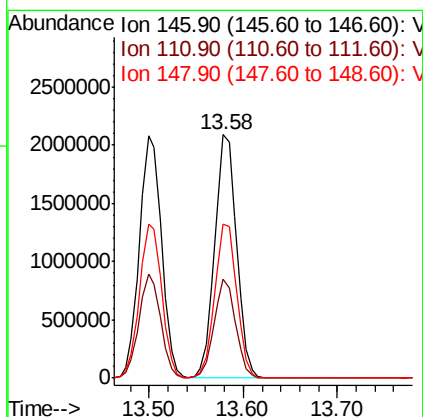
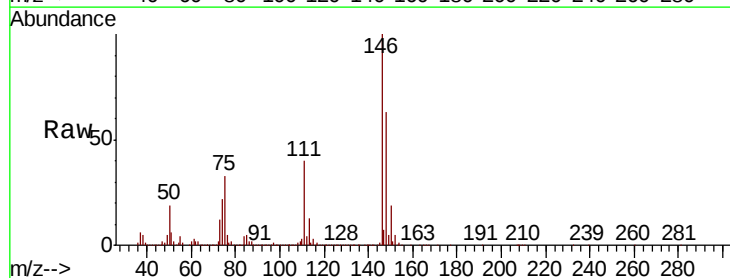
Delta R.T. 0.00 min

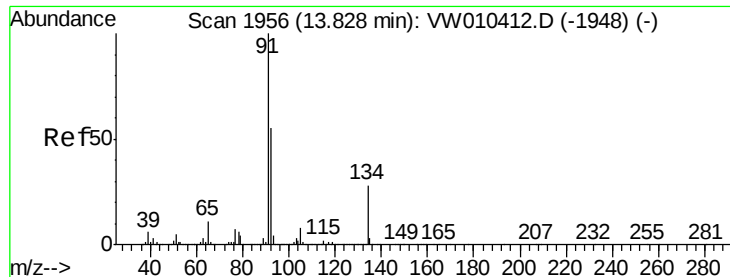
Lab File: VW010414.D

Acq: 16 May 2019 20:55

Tgt Ion:146 Resp: 3370357

Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.2	60.5
148	63.7	31.6	94.7





#89

n-Butylbenzene

Concen: 134.221 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010414.D

Acq: 16 May 2019 20:55

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

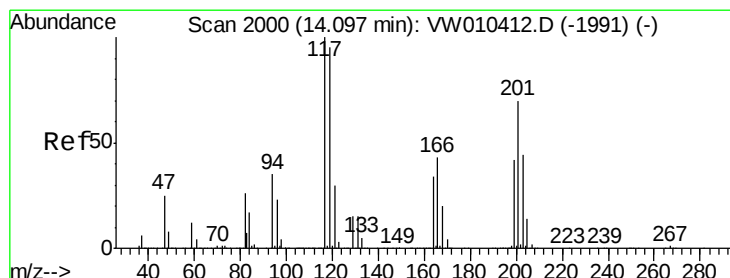
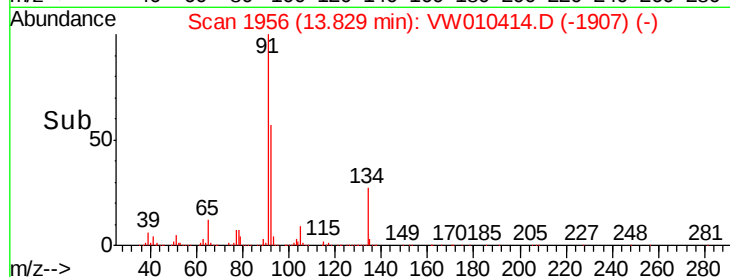
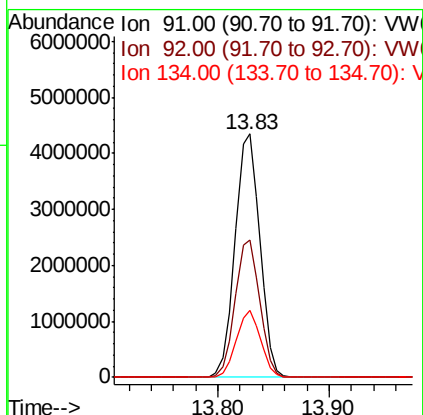
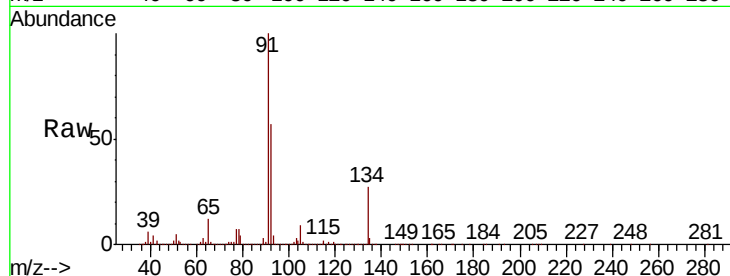
Tgt Ion: 91 Resp: 6676444

Ion Ratio Lower Upper

91 100

92 56.0 27.9 83.6

134 26.8 13.8 41.4



#90

Hexachloroethane

Concen: 145.974 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010414.D

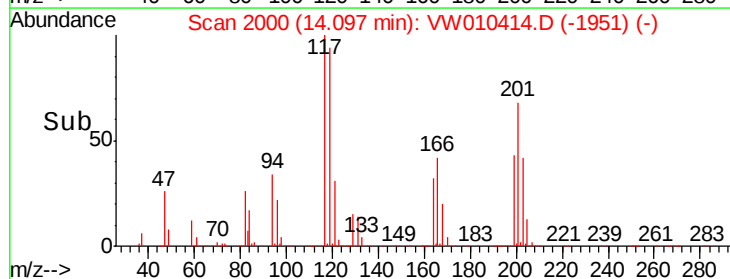
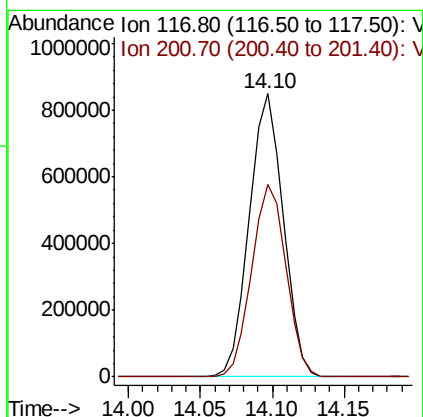
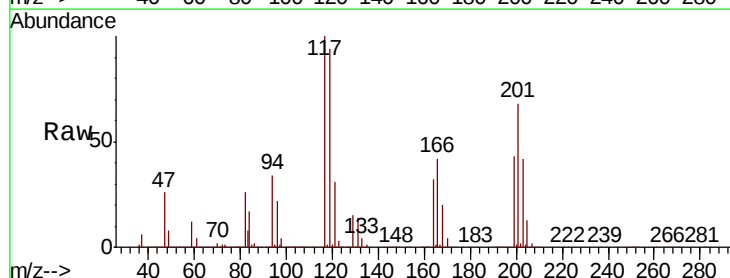
Acq: 16 May 2019 20:55

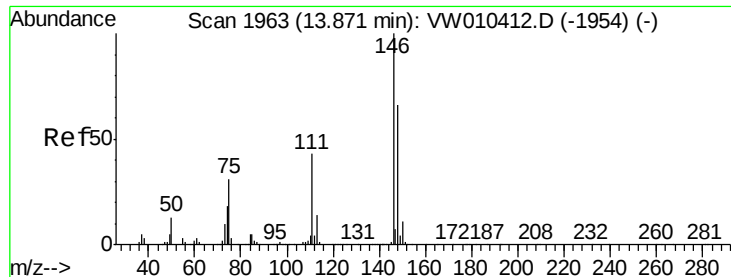
Tgt Ion: 117 Resp: 1384245

Ion Ratio Lower Upper

117 100

201 68.8 34.8 104.5

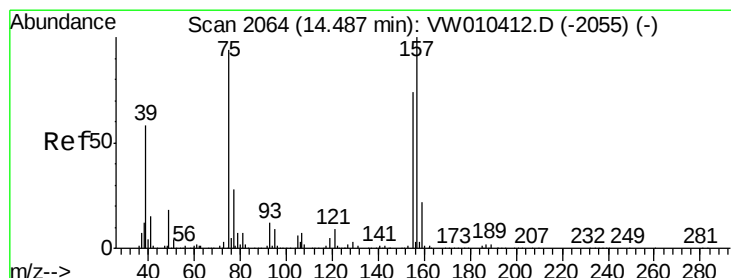
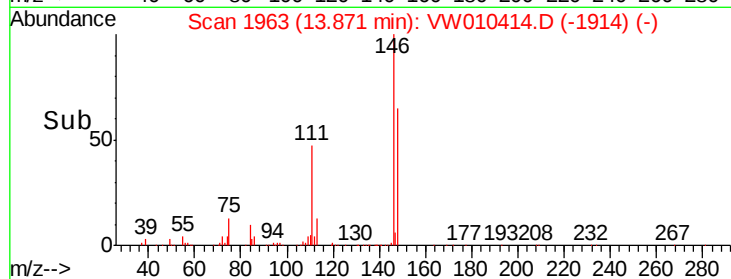
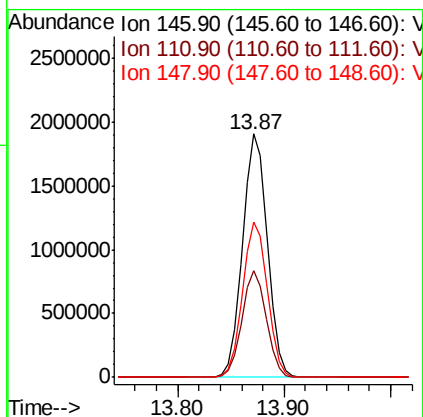
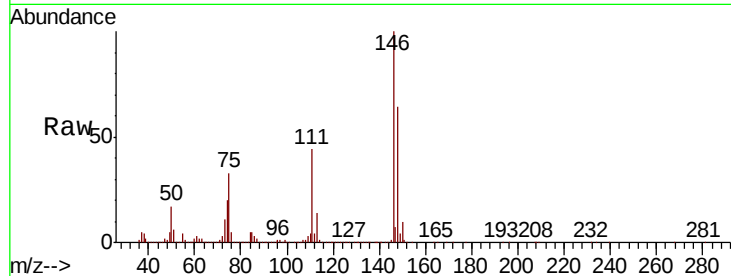




#91
 1,2-Dichlorobenzene
 Concen: 142.185 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

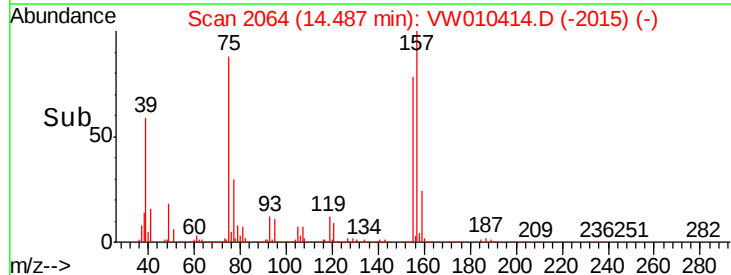
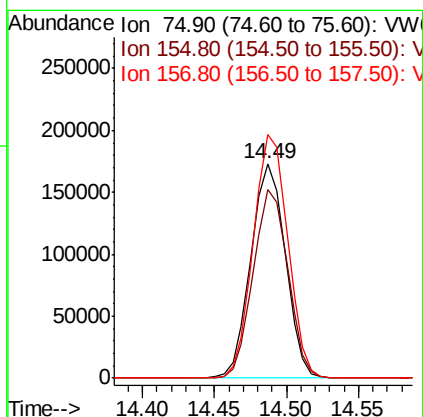
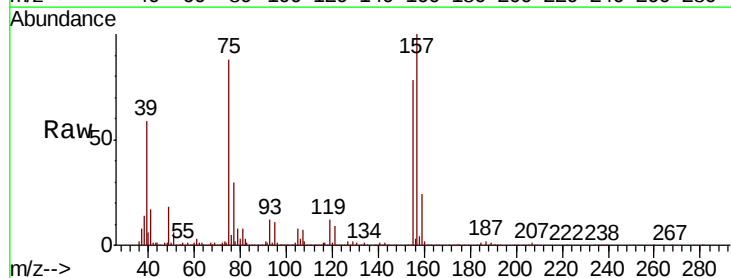
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

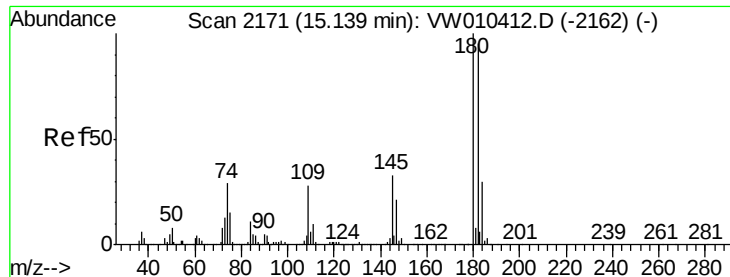
Tgt Ion:146 Resp: 3120663
 Ion Ratio Lower Upper
 146 100
 111 43.0 21.4 64.3
 148 63.8 32.4 97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 132.137 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion: 75 Resp: 286322
 Ion Ratio Lower Upper
 75 100
 155 88.5 43.6 130.9
 157 114.0 56.9 170.7

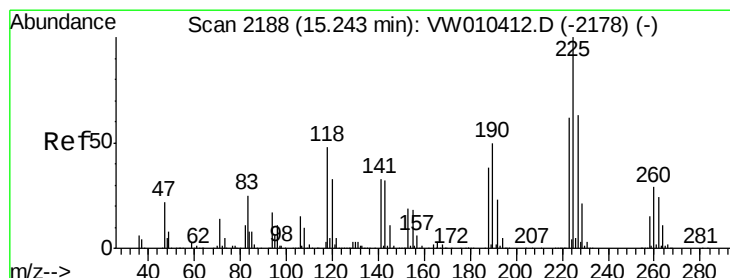
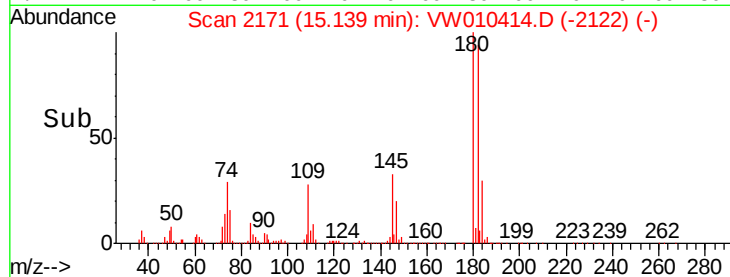
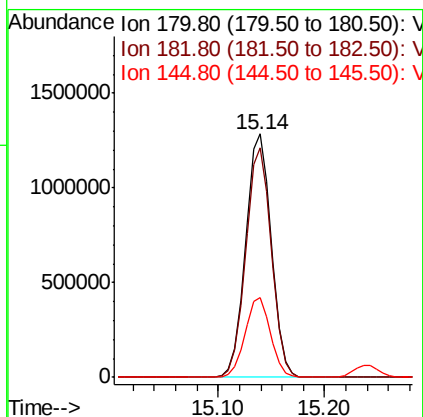
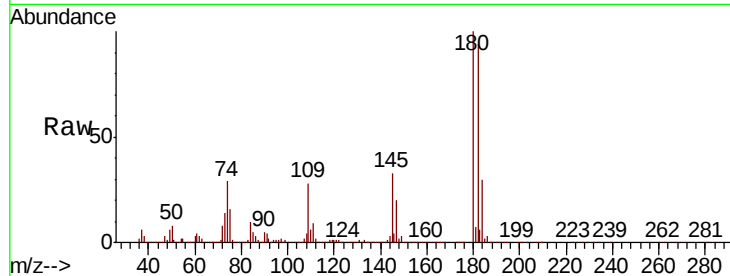




#93
 1,2,4-Trichlorobenzene
 Concen: 145.766 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

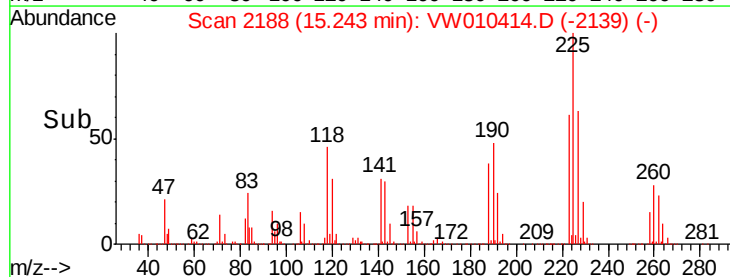
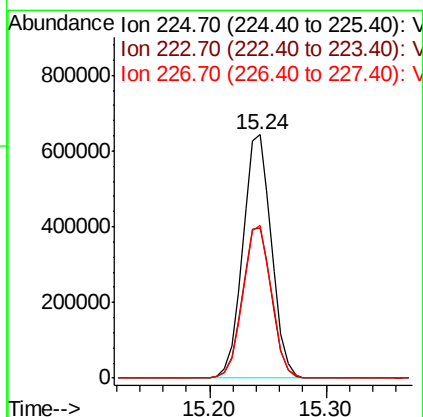
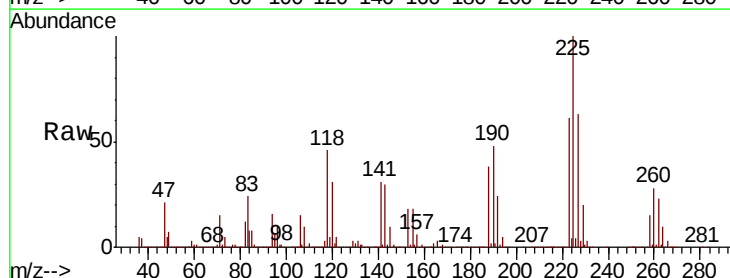
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

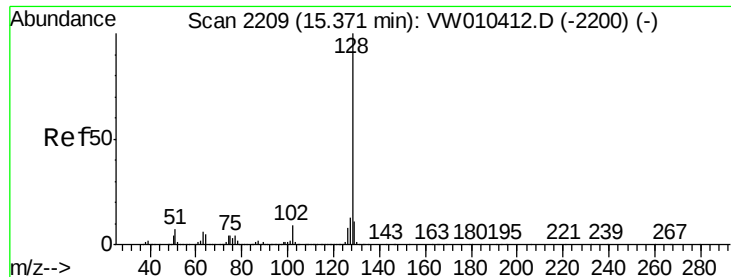
Tgt Ion:180 Resp: 2173925
 Ion Ratio Lower Upper
 180 100
 182 94.0 48.2 144.6
 145 32.6 16.8 50.3



#94
 Hexachlorobutadiene
 Concen: 118.406 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010414.D
 Acq: 16 May 2019 20:55

Tgt Ion:225 Resp: 1096288
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.8 95.3
 227 62.6 31.6 95.0

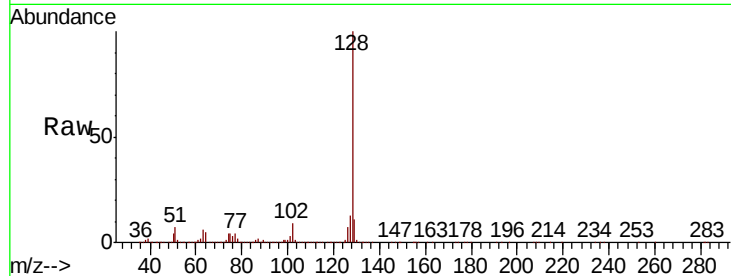




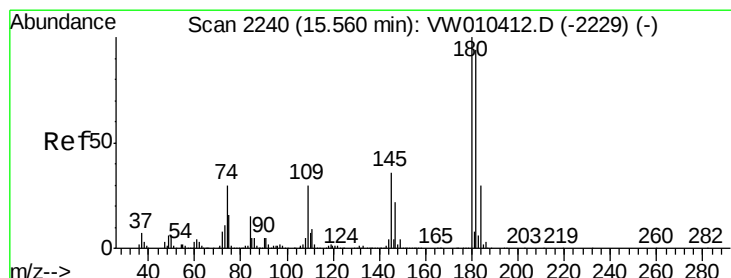
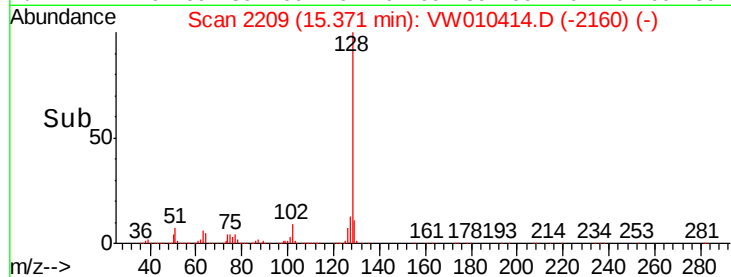
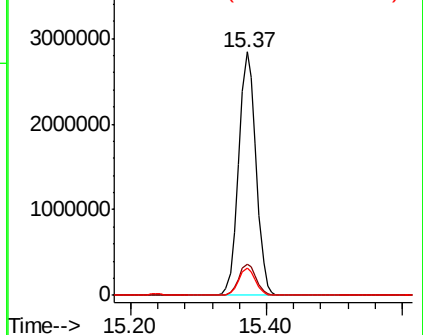
#95
Naphthalene
Concen: 160.700 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion:128 Resp: 4989485
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.0 8.8 13.2

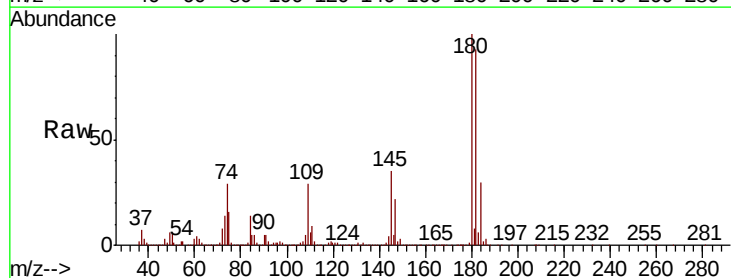


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 144.952 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010414.D
Acq: 16 May 2019 20:55

Tgt Ion:180 Resp: 1958601
Ion Ratio Lower Upper
180 100
182 94.2 47.3 141.9
145 34.7 17.6 52.8



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

