

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041819\
 Data File : VW010041.D
 Acq On : 18 Apr 2019 13:22
 Operator : SY/VA
 Sample : VW0418SBS01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Quant Time: Apr 18 13:53:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W041719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 18 02:23:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	423533	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	682399	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	628441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	326758	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	307771	58.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.78%	
35) Dibromofluoromethane	7.88	113	250446	57.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.46%	
50) Toluene-d8	10.32	98	980037	60.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.56%	
62) 4-Bromofluorobenzene	12.62	95	358463	60.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	53865	16.680	ug/l	97
3) Chloromethane	2.21	50	50707	15.701	ug/l	97
4) Vinyl Chloride	2.36	62	65514	17.452	ug/l	95
5) Bromomethane	2.77	94	46228	18.324	ug/l	99
6) Chloroethane	2.92	64	46775	19.070	ug/l	97
7) Trichlorofluoromethane	3.25	101	40790	15.716	ug/l	89
8) Diethyl Ether	3.67	74	41886	19.401	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.04	101	85735	19.631	ug/l	99
10) Methyl Iodide	4.26	142	111948	18.549	ug/l	97
11) Tert butyl alcohol	5.18	59	29778	100.023	ug/l	99
12) 1,1-Dichloroethene	4.03	96	79696	19.034	ug/l	97
13) Acrolein	3.89	56	27211	86.879	ug/l	100
14) Allyl chloride	4.65	41	132595	17.813	ug/l	99
15) Acrylonitrile	5.36	53	104764	94.292	ug/l	100
16) Acetone	4.12	43	118042	97.339	ug/l	95
17) Carbon Disulfide	4.37	76	208440	17.422	ug/l	98
18) Methyl Acetate	4.67	43	52877	18.840	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	105783	19.451	ug/l	97
20) Methylene Chloride	4.91	84	105672	19.811	ug/l	98
21) trans-1,2-Dichloroethene	5.41	96	87161	19.224	ug/l	95
22) Diisopropyl ether	6.31	45	302860	20.058	ug/l	98
23) Vinyl Acetate	6.25	43	959895	100.986	ug/l	99
24) 1,1-Dichloroethane	6.20	63	176177	19.518	ug/l	98
25) 2-Butanone	7.17	43	163023	102.337	ug/l	98
26) 2,2-Dichloropropane	7.16	77	95066	19.036	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	94374	18.926	ug/l	99
28) Bromochloromethane	7.51	49	77567	21.028	ug/l	96
29) Tetrahydrofuran	7.52	42	100356	99.424	ug/l	98
30) Chloroform	7.67	83	175584	19.413	ug/l	99
31) Cyclohexane	7.95	56	160231	18.957	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	133789	18.843	ug/l	99
36) 1,1-Dichloropropene	8.07	75	136687	19.609	ug/l	99
37) Ethyl Acetate	7.25	43	72360	20.429	ug/l	98
38) Carbon Tetrachloride	8.06	117	132856	19.529	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	150784	18.548	ug/l	97
40) Benzene	8.32	78	372416	19.540	ug/l	98
41) Methacrylonitrile	7.48	41	35572	17.621	ug/l #	91
42) 1,2-Dichloroethane	8.40	62	129078	19.707	ug/l	99
43) Isopropyl Acetate	8.43	43	130385	19.644	ug/l	99
44) Trichloroethene	9.09	130	94359	19.492	ug/l	98
45) 1,2-Dichloropropane	9.37	63	97824	19.527	ug/l	98
46) Dibromomethane	9.46	93	50207	19.336	ug/l	100
47) Bromodichloromethane	9.64	83	129930	19.385	ug/l	97
48) Methyl methacrylate	9.43	41	61476	19.027	ug/l	97
49) 1,4-Dioxane	9.45	88	16770	422.685	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	359655	103.456	ug/l	99
52) Toluene	10.38	92	235150	19.806	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	130502	19.638	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	147406	19.426	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	72424	19.984	ug/l	98
56) Ethyl methacrylate	10.65	69	88226	19.246	ug/l	97
57) 1,3-Dichloropropane	10.93	76	129215	19.892	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	285876	132.011	ug/l	99
59) 2-Hexanone	10.97	43	251056	103.744	ug/l	98
60) Dibromochloromethane	11.13	129	81701	19.505	ug/l	99
61) 1,2-Dibromoethane	11.24	107	67665	19.627	ug/l	99
64) Tetrachloroethene	10.86	164	76481	18.747	ug/l	98
65) Chlorobenzene	11.66	112	254912	19.818	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	89366	19.428	ug/l	98
67) Ethyl Benzene	11.73	91	449563	19.590	ug/l	100
68) m/p-Xylenes	11.84	106	342192	39.890	ug/l	99
69) o-Xylene	12.16	106	157309	20.140	ug/l	98
70) Styrene	12.18	104	264653	19.651	ug/l	100
71) Bromoform	12.35	173	46308	19.039	ug/l #	99
73) Isopropylbenzene	12.47	105	440527	19.371	ug/l	100
74) N-amyl acetate	12.27	43	125330	19.900	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	88148	19.619	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	115438	35.298	ug/l #	100
77) Bromobenzene	12.75	156	101069	19.324	ug/l	99
78) n-propylbenzene	12.80	91	563318	19.986	ug/l	100
79) 2-Chlorotoluene	12.89	91	317819	19.606	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	380906	19.754	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25951	18.711	ug/l	97
82) 4-Chlorotoluene	12.99	91	338027	19.813	ug/l	99
83) tert-Butylbenzene	13.21	119	316819	19.841	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	388885	19.892	ug/l	100
85) sec-Butylbenzene	13.38	105	476917	19.986	ug/l	100
86) p-Isopropyltoluene	13.50	119	411636	19.572	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	209323	19.798	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	211948	20.084	ug/l	99
89) n-Butylbenzene	13.83	91	408262	19.593	ug/l	99
90) Hexachloroethane	14.10	117	77301	19.189	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	188965	19.933	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	15156	18.849	ug/l	99

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Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

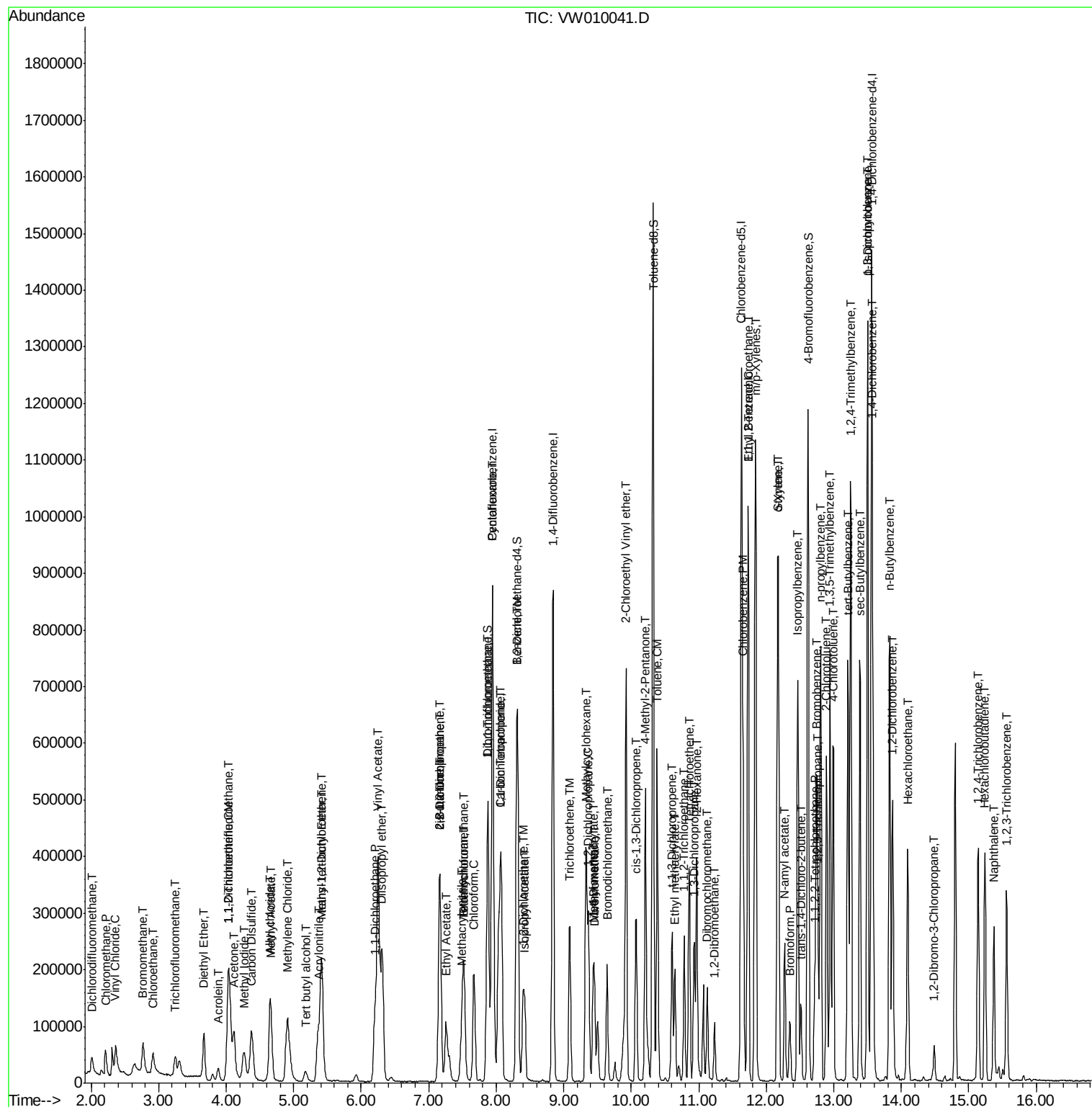
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	122050	19.515	ug/l	99
94) Hexachlorobutadiene	15.24	225	73273	19.293	ug/l	99
95) Naphthalene	15.37	128	217549	19.236	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	107816	19.870	ug/l	99

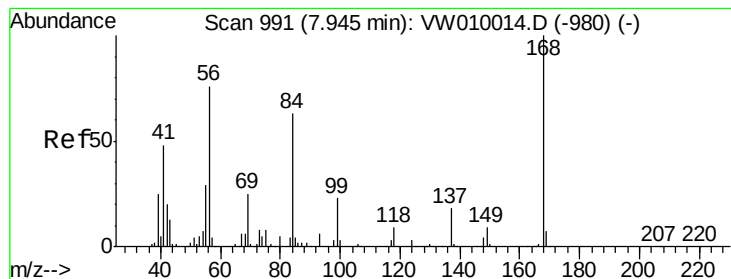
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

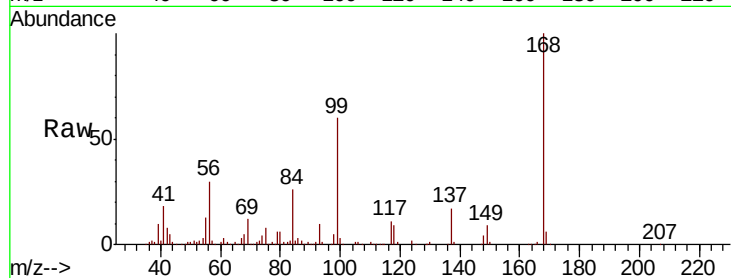
VW0418SBS01

Tgt Ion:168 Resp: 423533

Ion Ratio Lower Upper

168 100

99 60.4 48.4 72.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

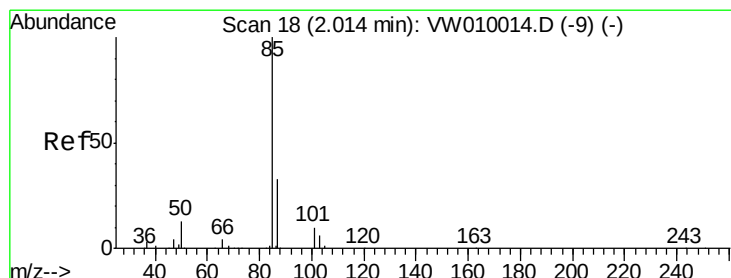
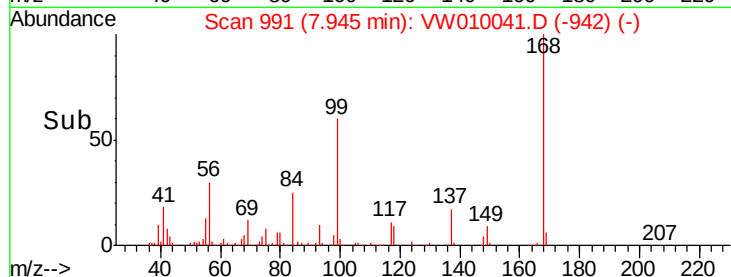
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 16.680 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010041.D

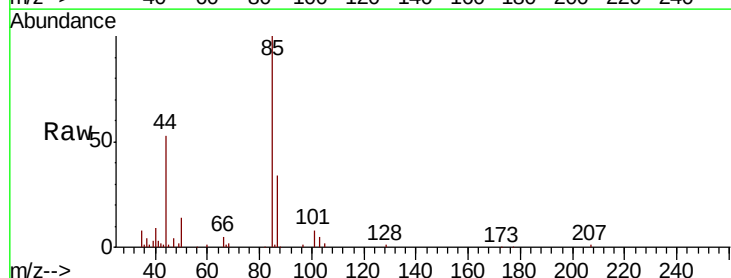
Acq: 18 Apr 2019 13:22

Tgt Ion: 85 Resp: 53865

Ion Ratio Lower Upper

85 100

87 34.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

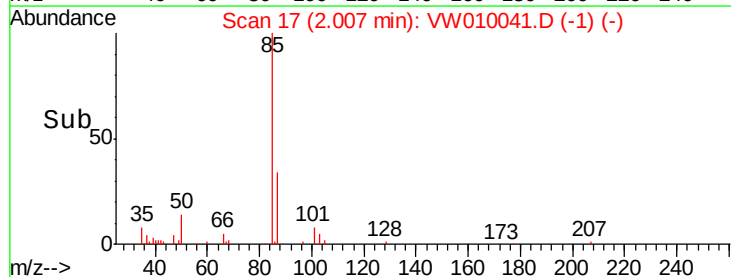
15000

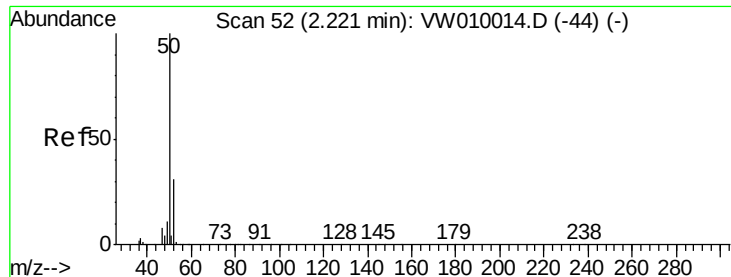
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 15.701 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

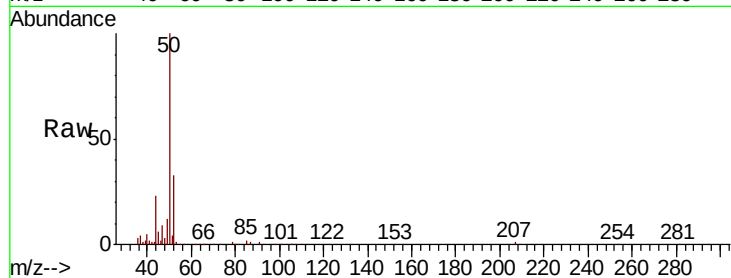
VW0418SBS01

Tgt Ion: 50 Resp: 50707

Ion Ratio Lower Upper

50 100

52 33.1 25.0 37.6



Abundance Ion 49.90 (49.60 to 50.60): VW

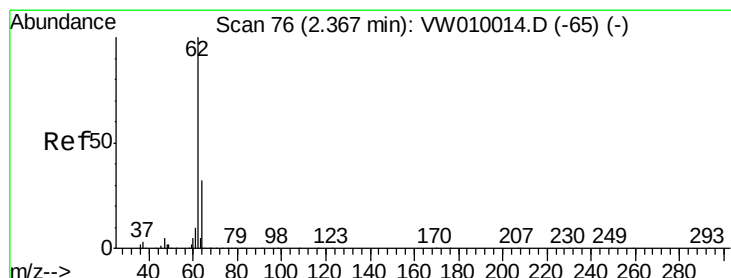
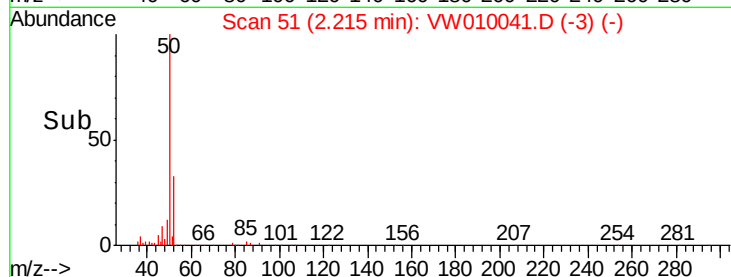
Ion 51.90 (51.60 to 52.60): VW

2.21

2.25

2.30

Time-->



#4

Vinyl Chloride

Concen: 17.452 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW010041.D

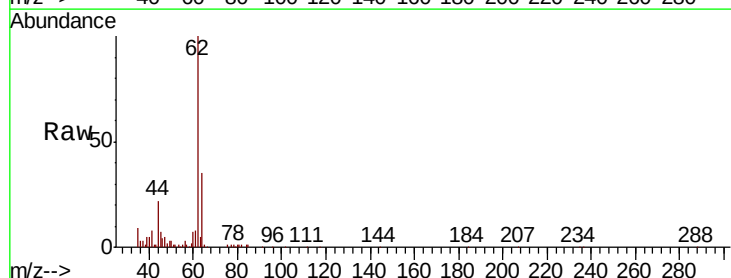
Acq: 18 Apr 2019 13:22

Tgt Ion: 62 Resp: 65514

Ion Ratio Lower Upper

62 100

64 35.3 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VW

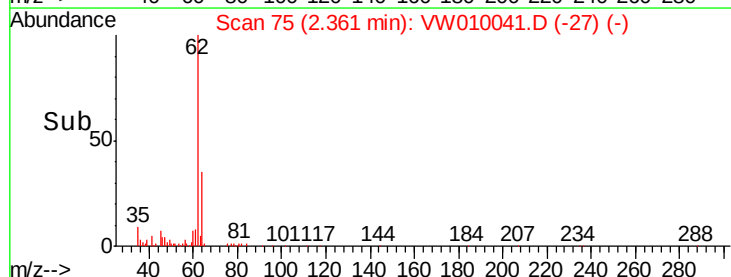
Ion 63.90 (63.60 to 64.60): VW

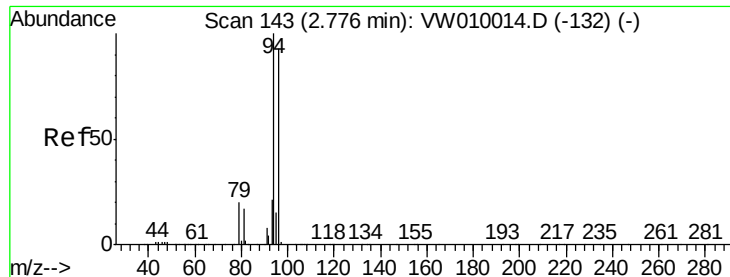
2.36

2.40

2.50

Time-->





#5

Bromomethane

Concen: 18.324 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

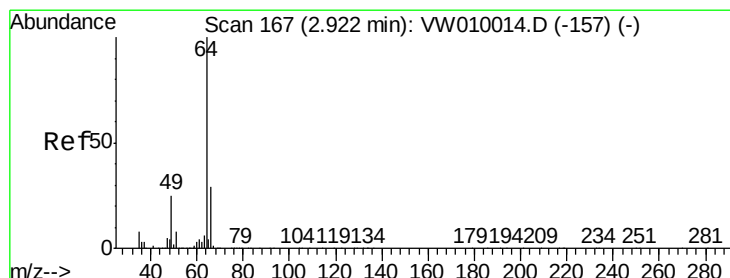
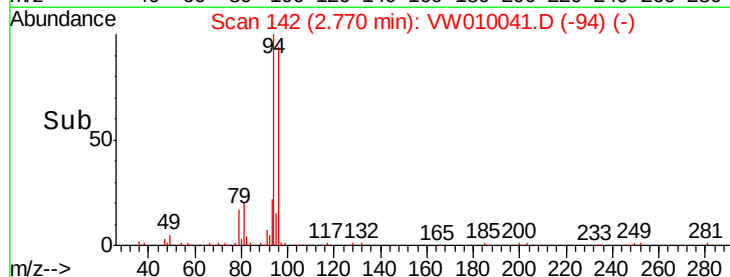
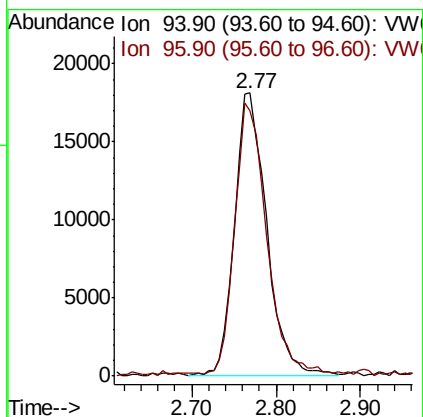
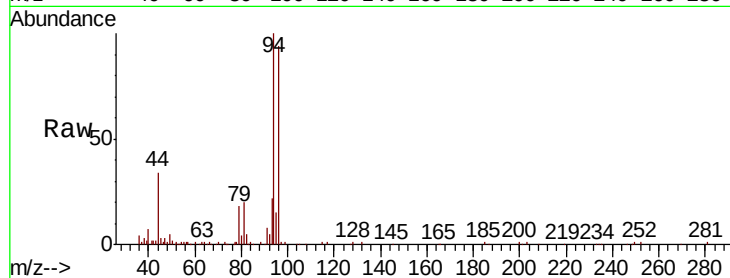
VW0418SBS01

Tgt Ion: 94 Resp: 46228

Ion Ratio Lower Upper

94 100

96 93.2 74.2 111.2



#6

Chloroethane

Concen: 19.070 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010041.D

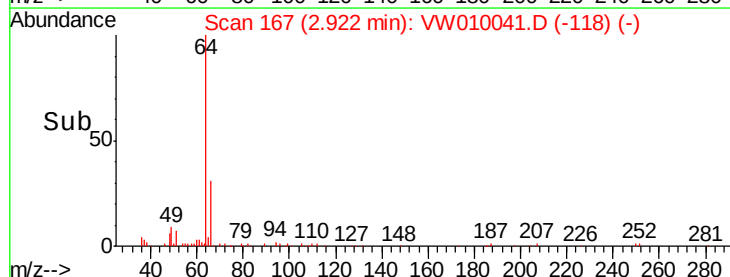
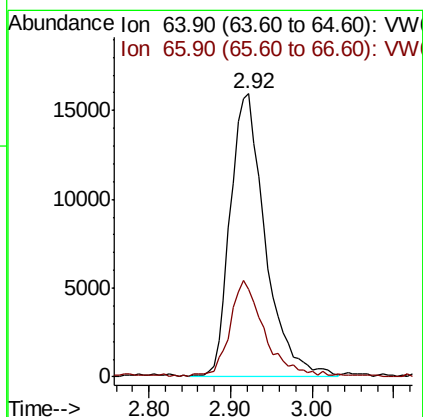
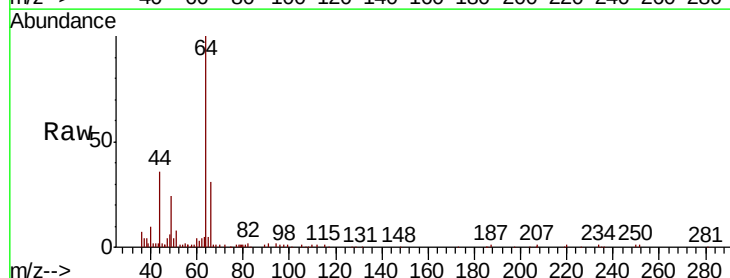
Acq: 18 Apr 2019 13:22

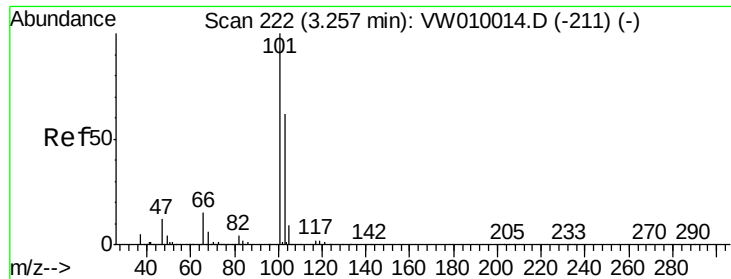
Tgt Ion: 64 Resp: 46775

Ion Ratio Lower Upper

64 100

66 30.7 23.4 35.0





#7

Trichlorofluoromethane

Concen: 15.716 ug/l

RT: 3.25 min Scan# 220

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

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ClientSampleId :

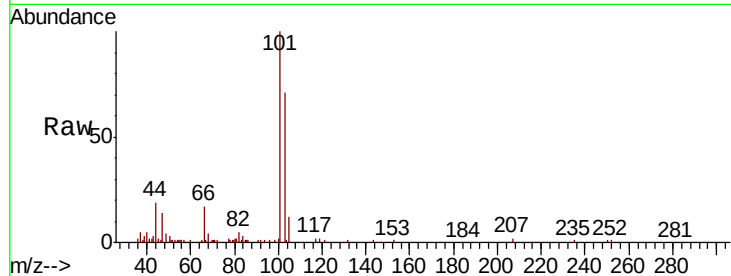
VW0418SBS01

Tgt Ion:101 Resp: 40790

Ion Ratio Lower Upper

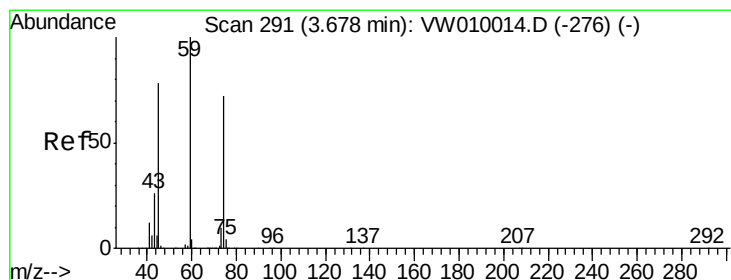
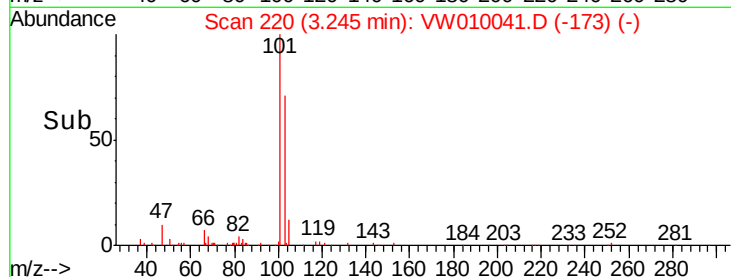
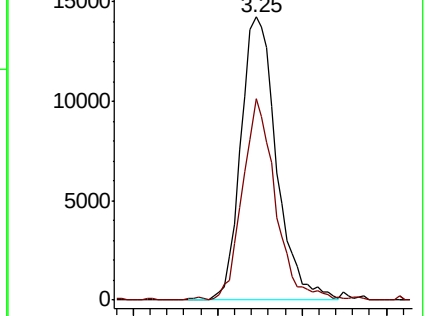
101 100

103 70.6 49.8 74.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.401 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW010041.D

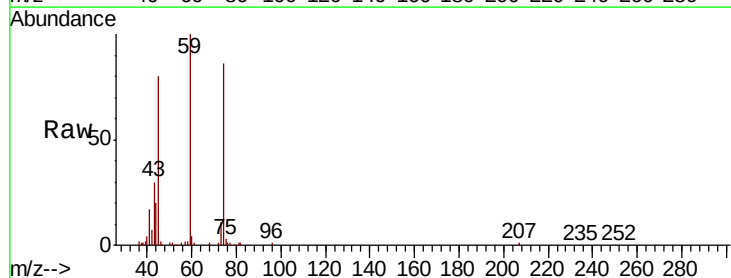
Acq: 18 Apr 2019 13:22

Tgt Ion: 74 Resp: 41886

Ion Ratio Lower Upper

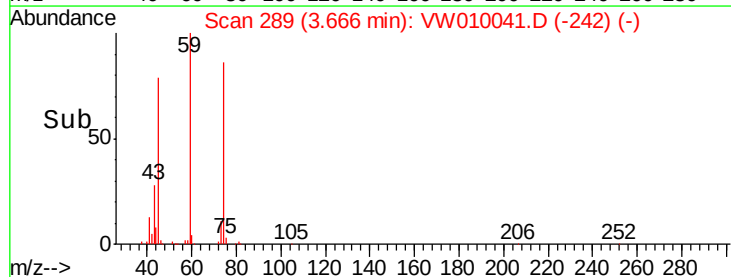
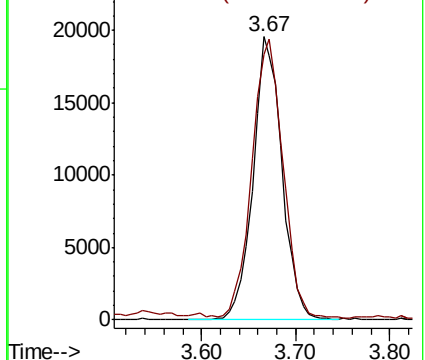
74 100

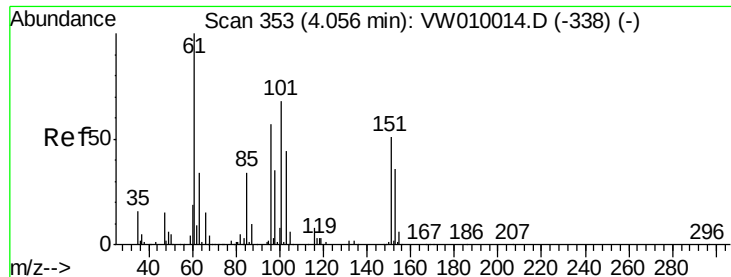
45 106.8 56.0 168.0



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.631 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

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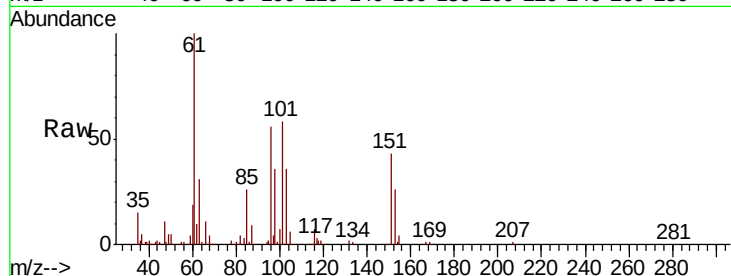
Tgt Ion:101 Resp: 85735

Ion Ratio Lower Upper

101 100

85 47.3 36.3 54.5

151 75.0 60.2 90.2

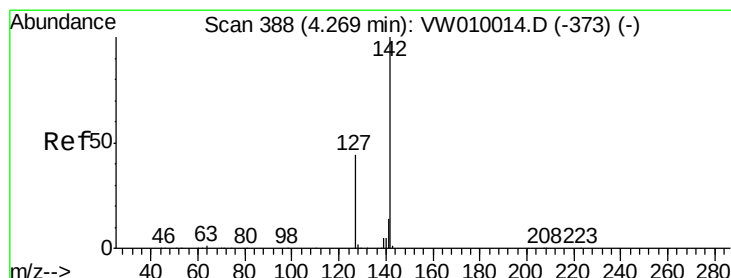
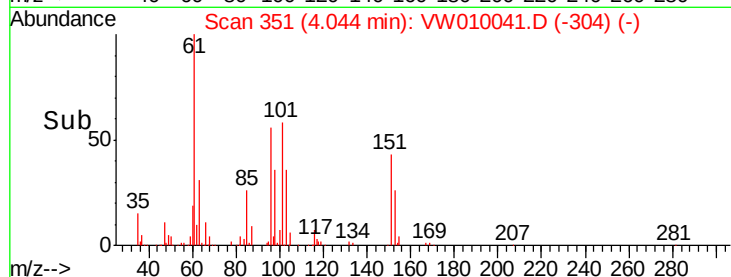
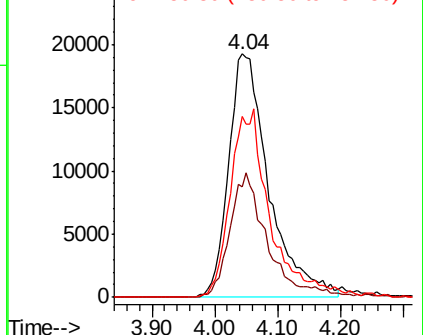


Abundance

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: 18.549 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

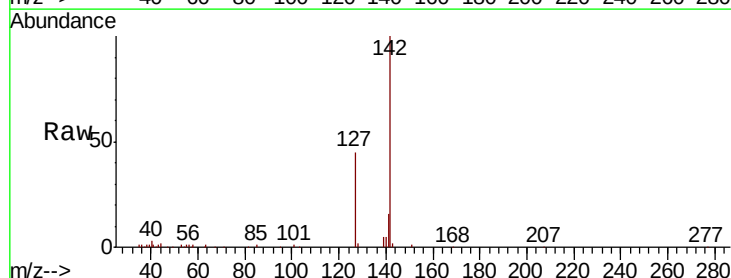
Tgt Ion:142 Resp: 111948

Ion Ratio Lower Upper

142 100

127 45.8 38.1 57.1

141 14.4 12.2 18.2

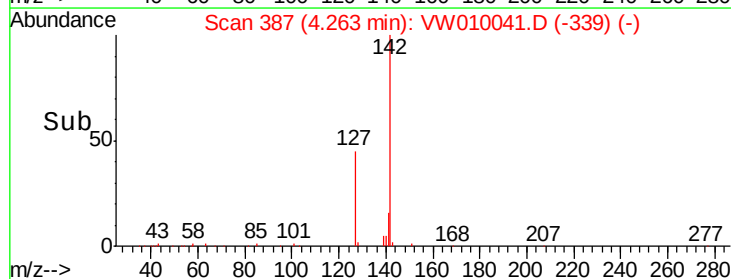
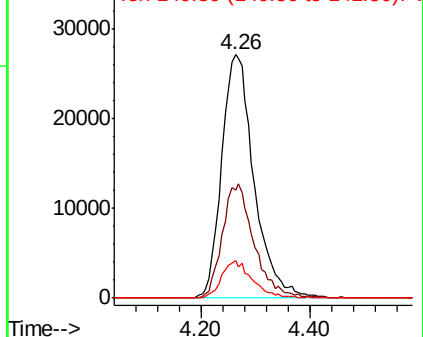


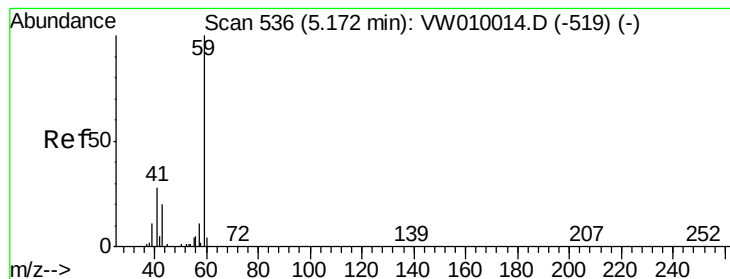
Abundance

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



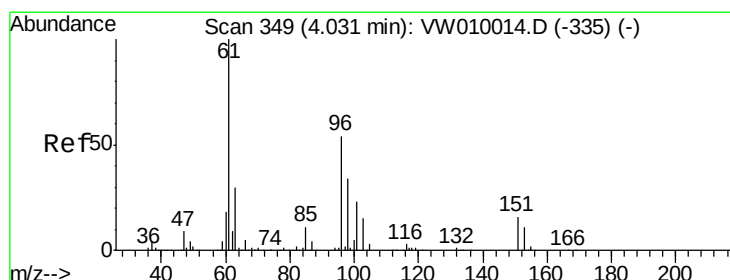
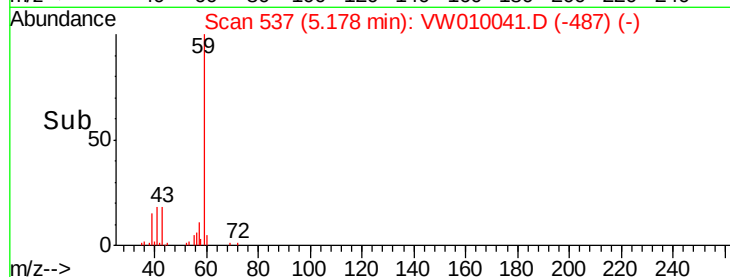
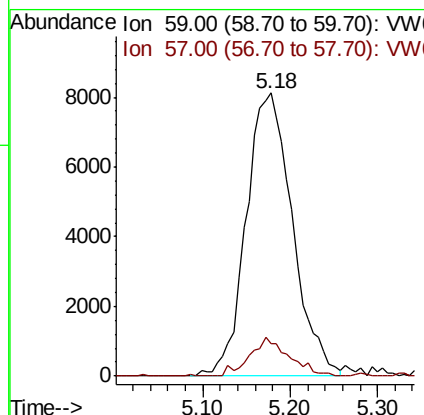
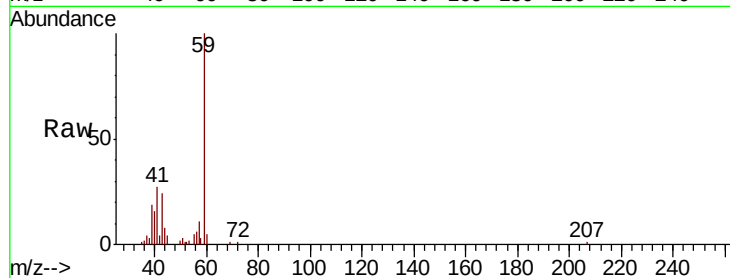


#11

Tert butyl alcohol
 Concen: 100.023 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

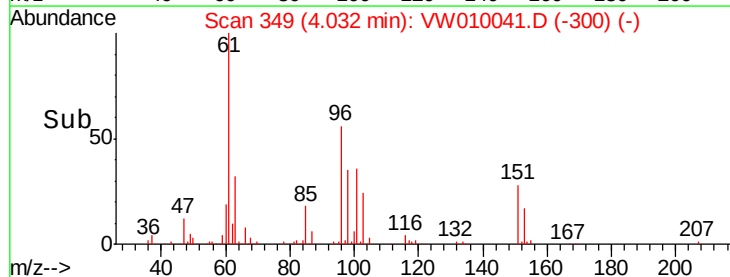
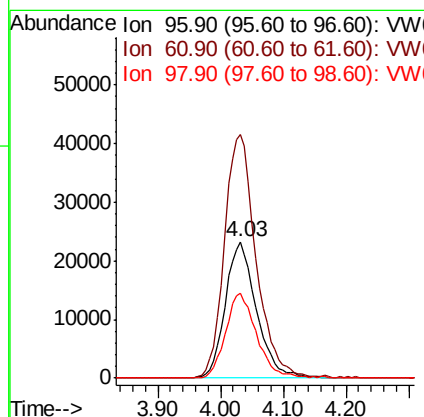
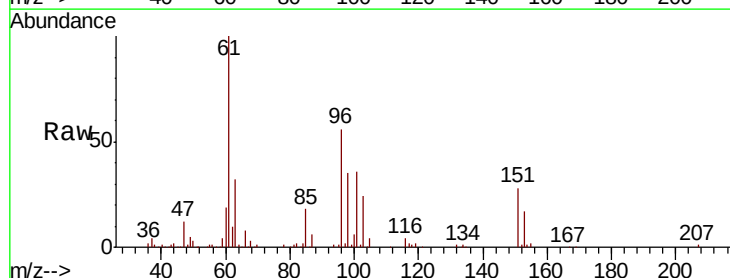
Tgt Ion: 59 Resp: 29778
 Ion Ratio Lower Upper
 59 100
 57 11.7 9.0 13.4

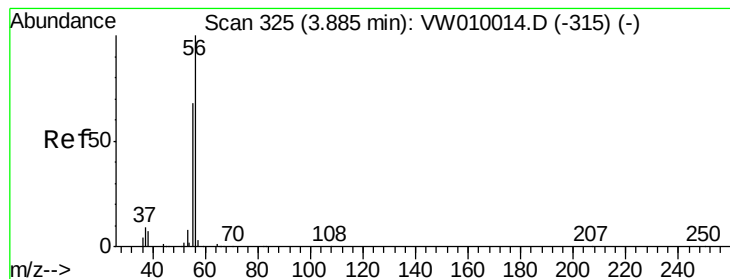


#12

1,1-Dichloroethene
 Concen: 19.034 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 96 Resp: 79696
 Ion Ratio Lower Upper
 96 100
 61 178.7 147.4 221.2
 98 62.7 49.7 74.5





#13

Acrolein

Concen: 86.879 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

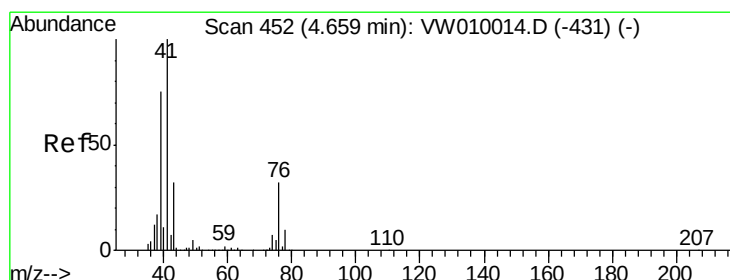
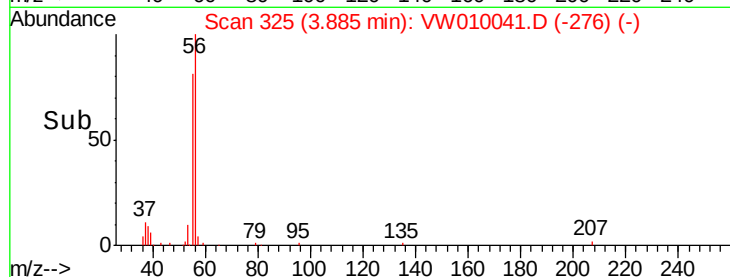
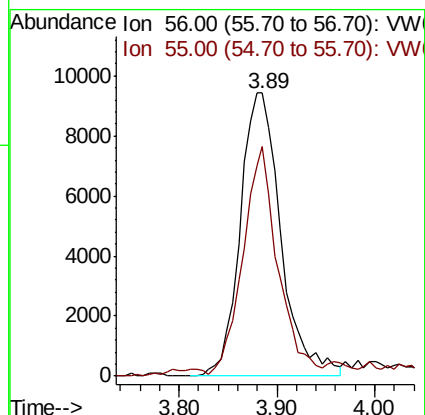
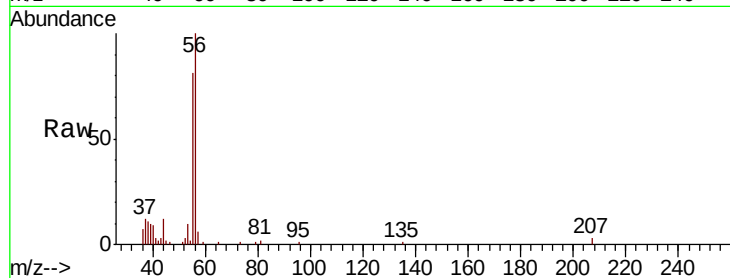
VW0418SBS01

Tgt Ion: 56 Resp: 27211

Ion Ratio Lower Upper

56 100

55 68.1 54.2 81.2



#14

Allyl chloride

Concen: 17.813 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

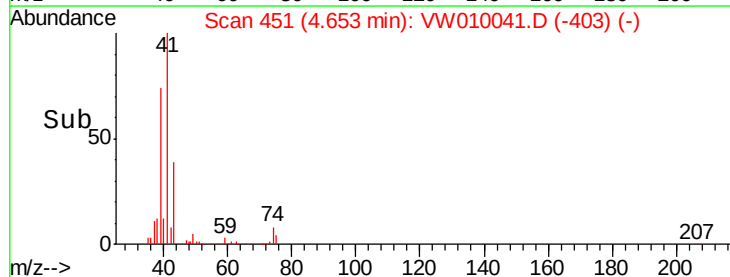
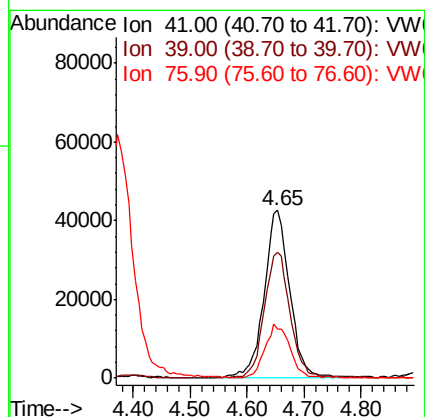
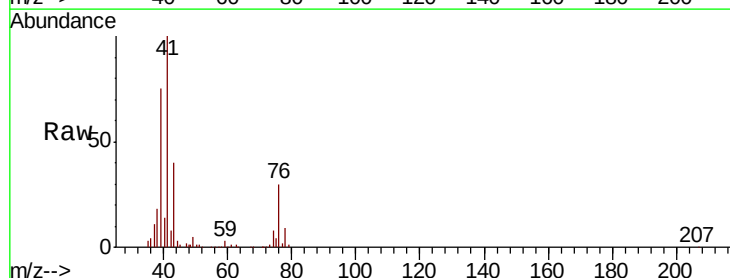
Tgt Ion: 41 Resp: 132595

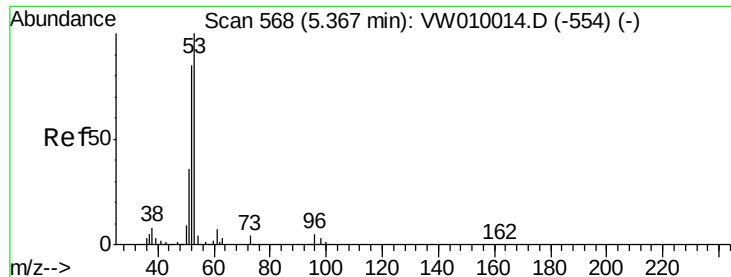
Ion Ratio Lower Upper

41 100

39 76.2 60.2 90.4

76 30.8 25.0 37.6





#15

Acrylonitrile

Concen: 94.292 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

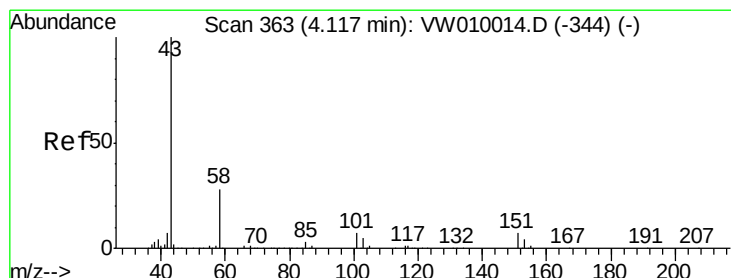
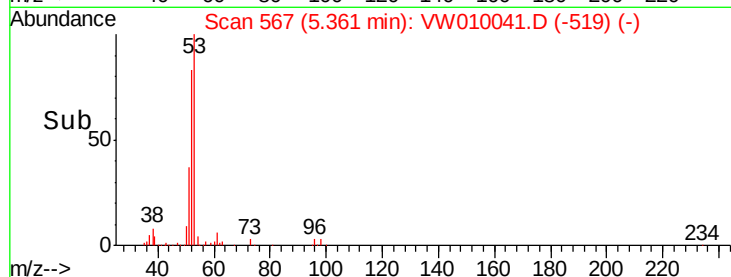
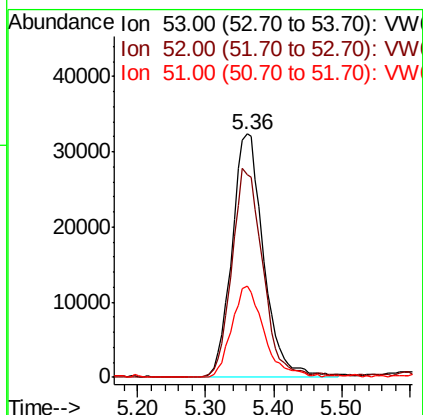
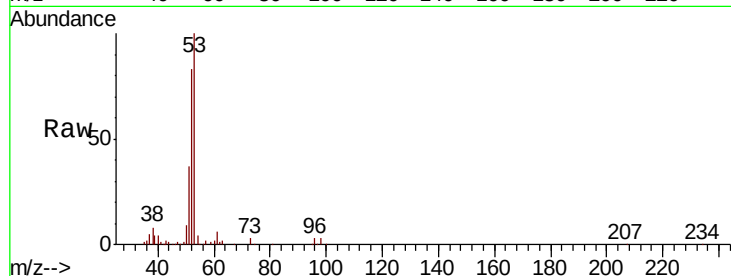
Tgt Ion: 53 Resp: 104764

Ion Ratio Lower Upper

53 100

52 83.4 66.6 100.0

51 38.3 30.3 45.5



#16

Acetone

Concen: 97.339 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010041.D

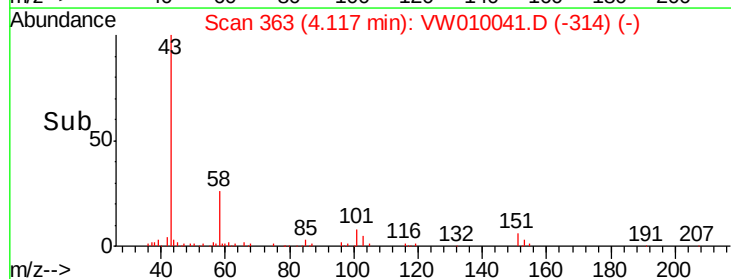
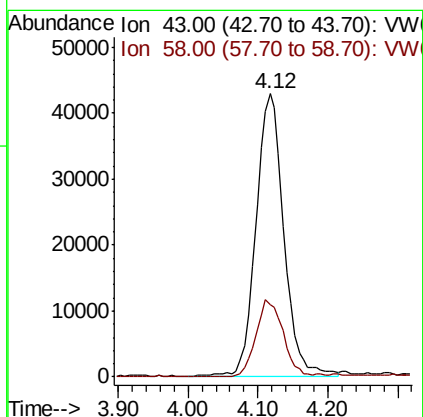
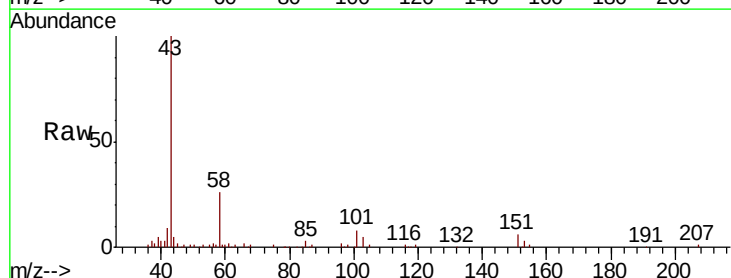
Acq: 18 Apr 2019 13:22

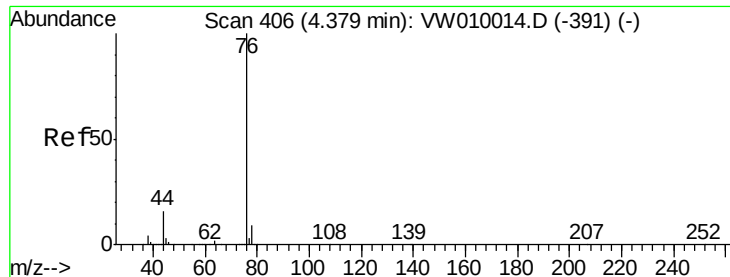
Tgt Ion: 43 Resp: 118042

Ion Ratio Lower Upper

43 100

58 25.8 22.7 34.1

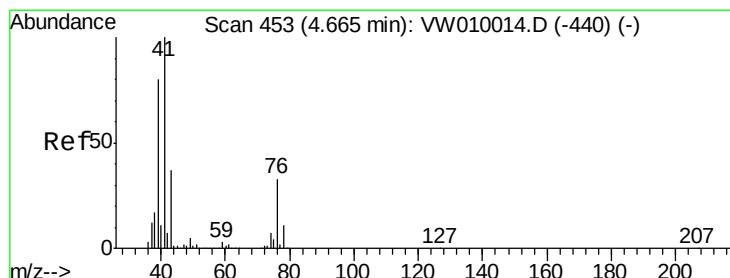
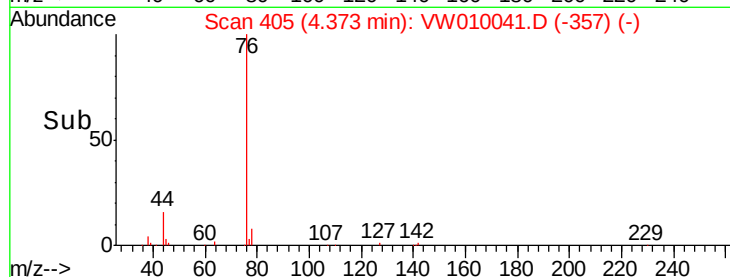
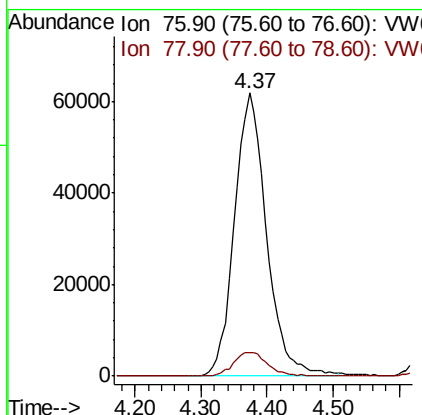
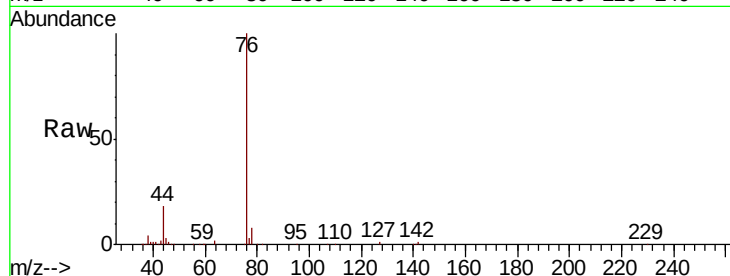




#17
Carbon Disulfide
Concen: 17.422 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

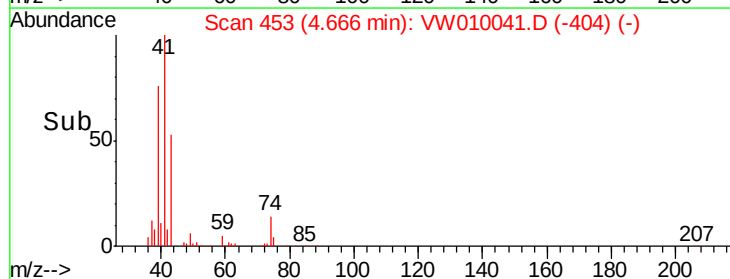
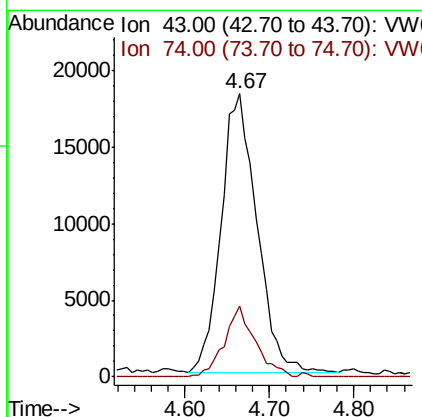
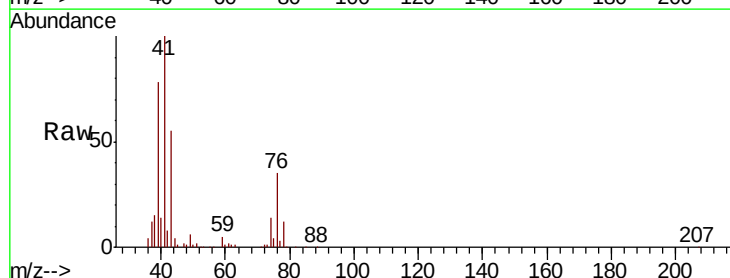
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

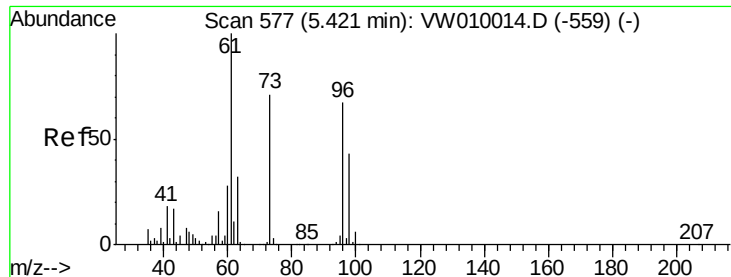
Tgt Ion: 76 Resp: 208440
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.2



#18
Methyl Acetate
Concen: 18.840 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 43 Resp: 52877
Ion Ratio Lower Upper
43 100
74 21.7 16.8 25.2

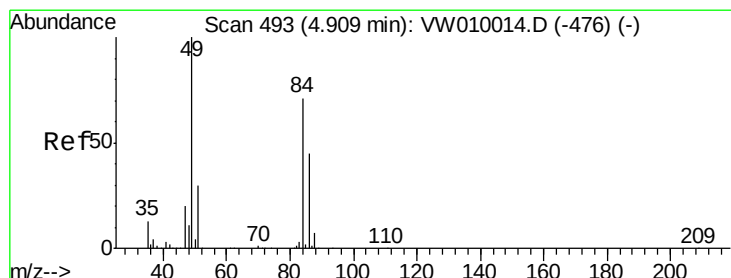
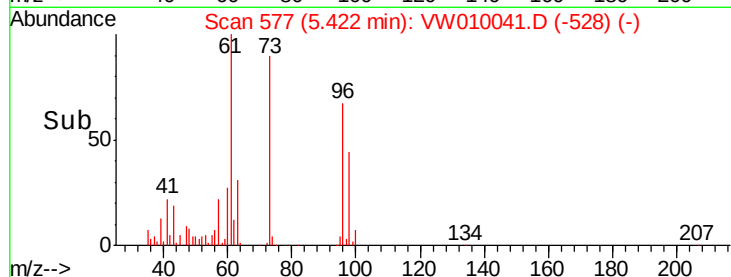
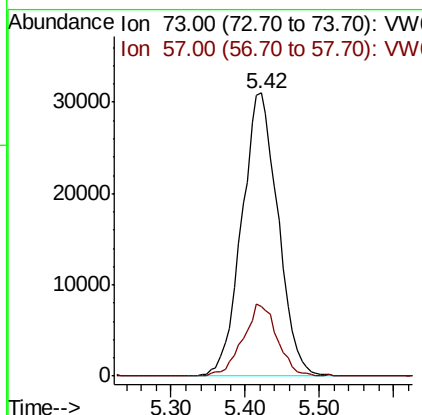
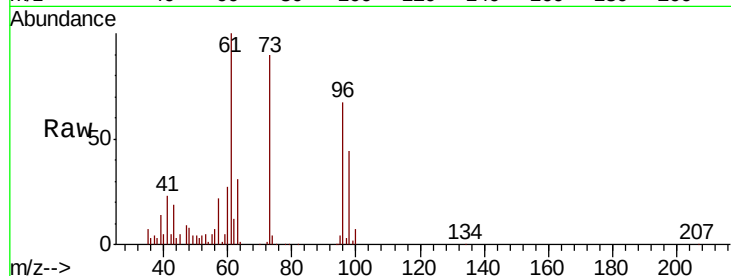




#19
Methyl tert-butyl Ether
Concen: 19.451 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

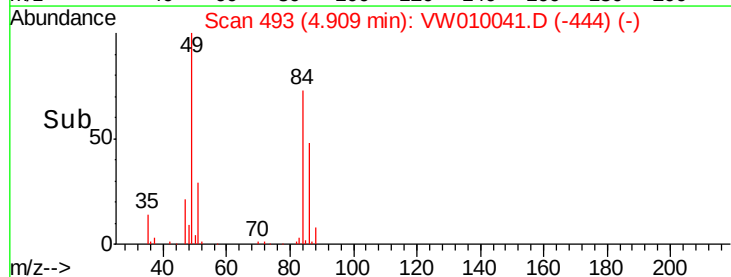
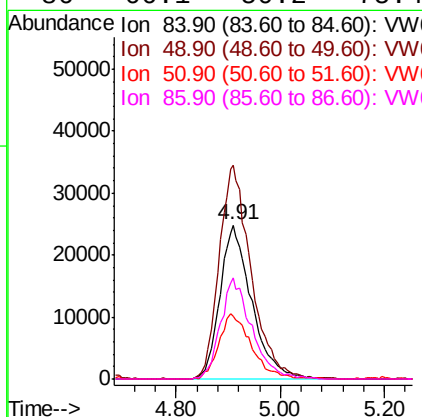
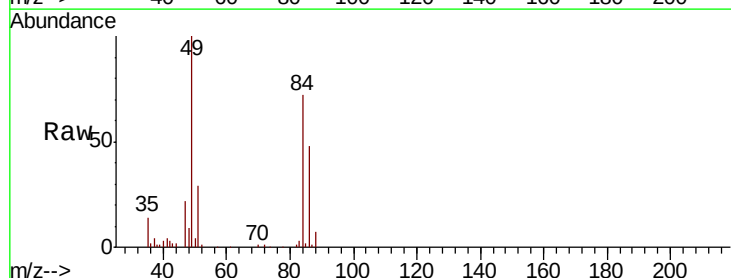
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

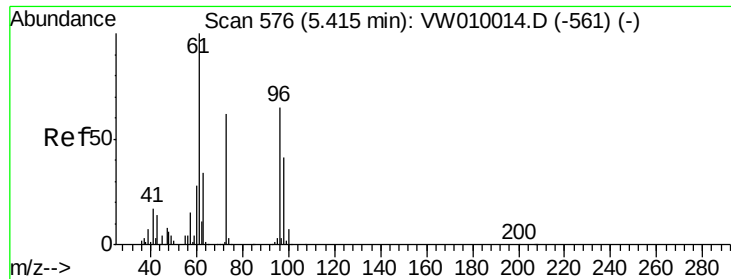
Tgt Ion: 73 Resp: 105783
Ion Ratio Lower Upper
73 100
57 24.4 18.5 27.7



#20
Methylene Chloride
Concen: 19.811 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 84 Resp: 105672
Ion Ratio Lower Upper
84 100
49 138.7 112.3 168.5
51 40.6 33.9 50.9
86 66.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 19.224 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

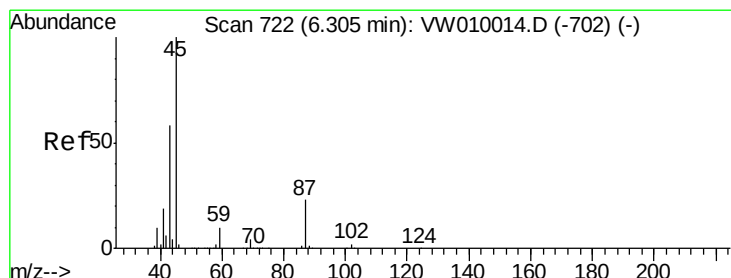
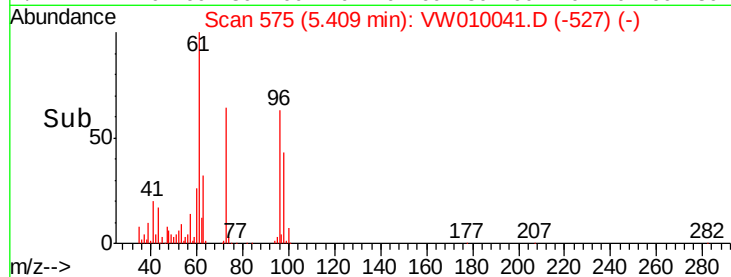
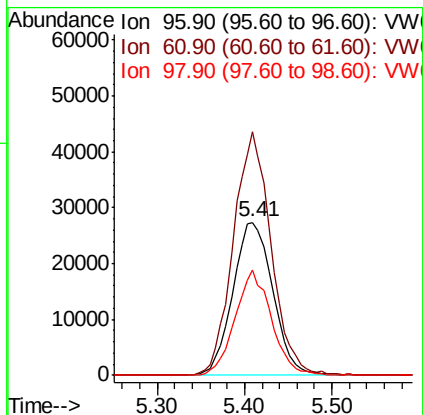
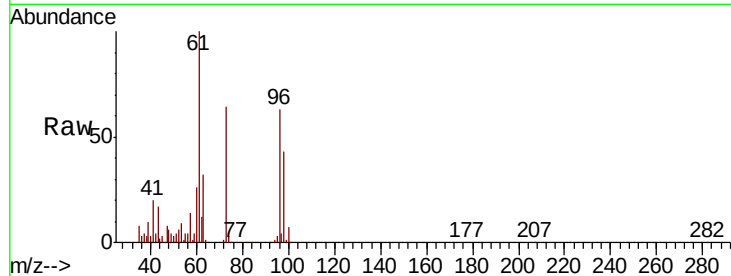
Tgt Ion: 96 Resp: 87161

Ion Ratio Lower Upper

96 100

61 158.5 122.3 183.5

98 68.8 50.5 75.7



#22

Diisopropyl ether

Concen: 20.058 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Tgt Ion: 45 Resp: 302860

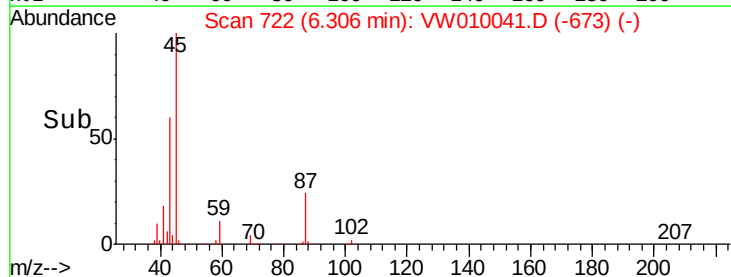
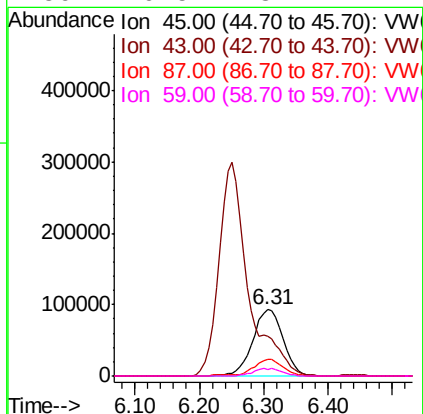
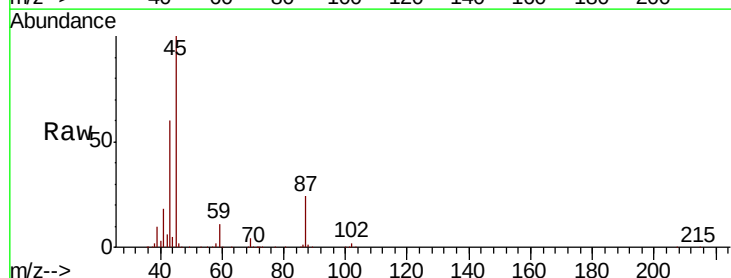
Ion Ratio Lower Upper

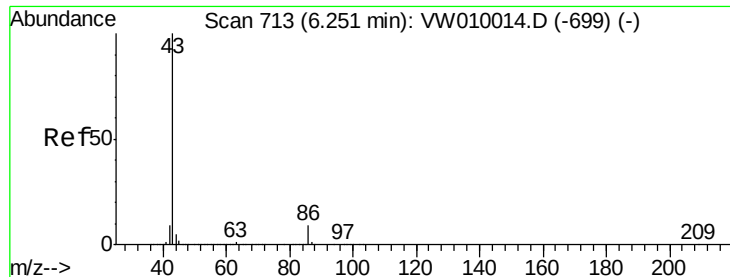
45 100

43 59.3 46.1 69.1

87 24.0 18.3 27.5

59 10.5 8.2 12.4





#23

Vinyl Acetate

Concen: 100.986 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

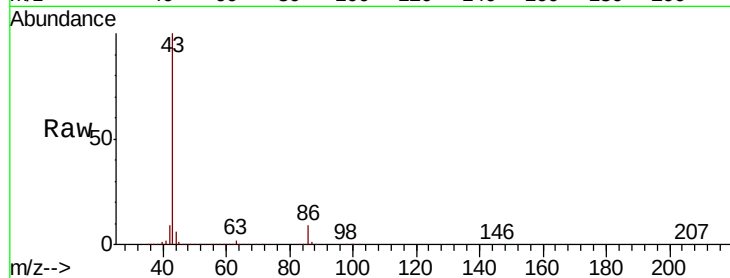
VW0418SBS01

Tgt Ion: 43 Resp: 959895

Ion Ratio Lower Upper

43 100

86 9.3 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

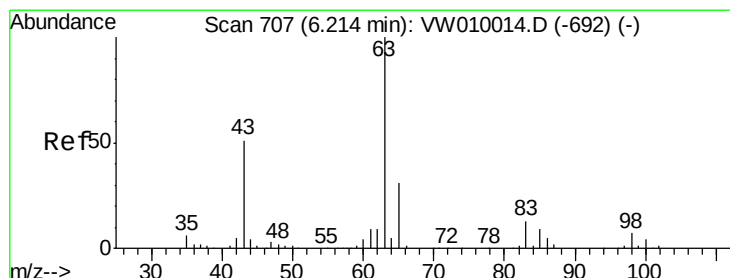
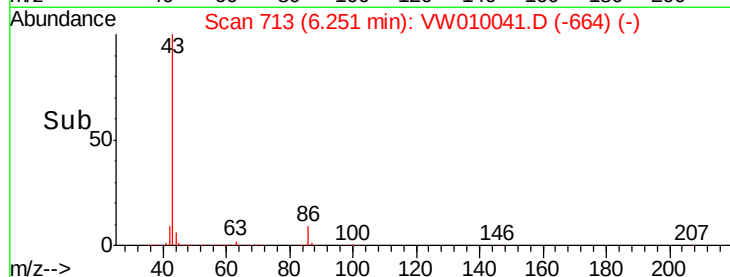
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.518 ug/l

RT: 6.20 min Scan# 705

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

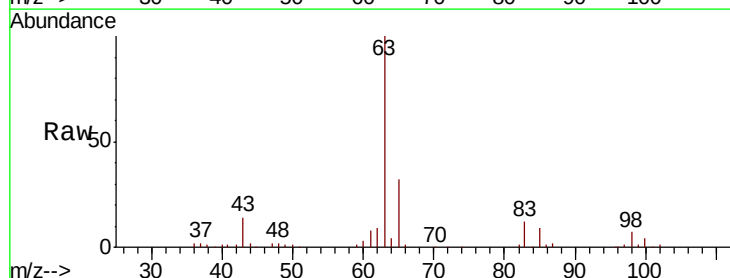
Tgt Ion: 63 Resp: 176177

Ion Ratio Lower Upper

63 100

98 7.3 3.3 9.8

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.20

80000

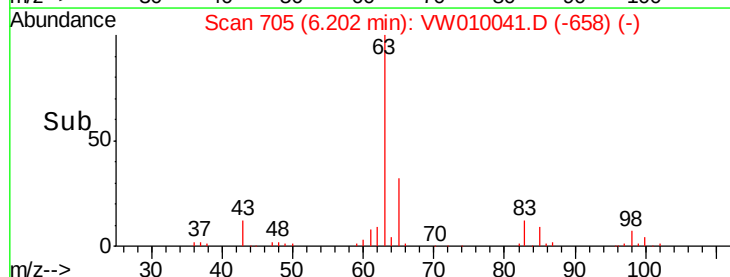
60000

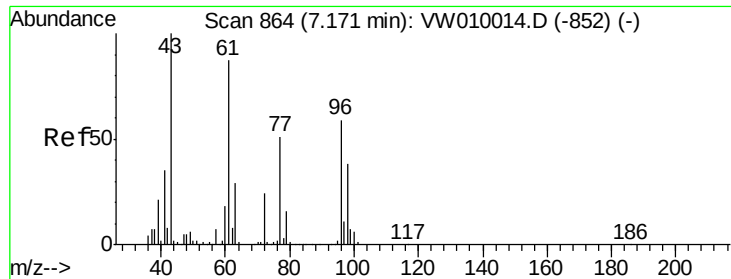
40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.337 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

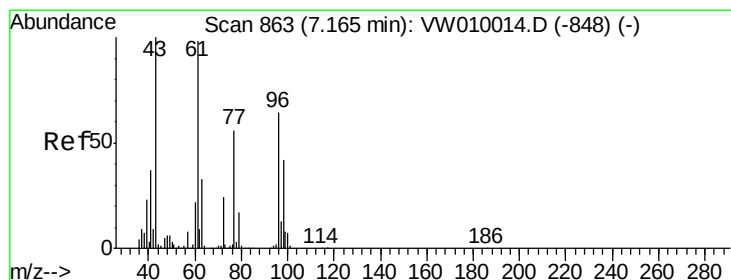
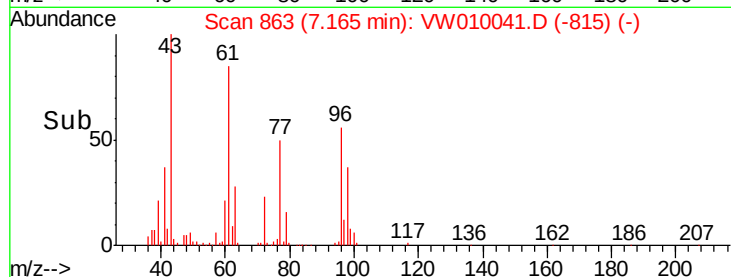
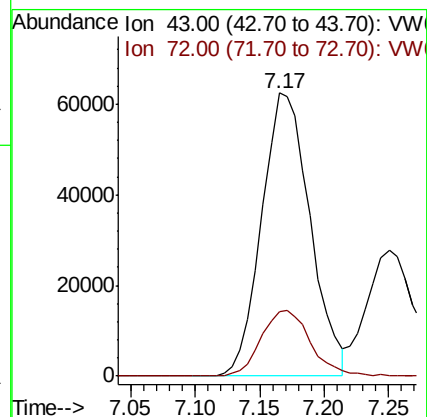
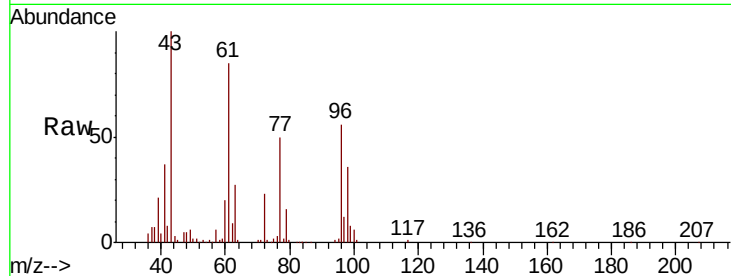
VW0418SBS01

Tgt Ion: 43 Resp: 163023

Ion Ratio Lower Upper

43 100

72 23.0 19.1 28.7



#26

2,2-Dichloropropane

Concen: 19.036 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010041.D

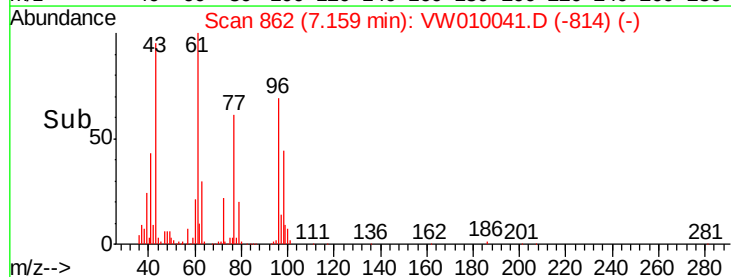
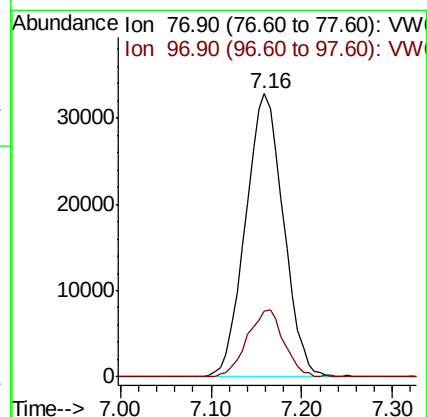
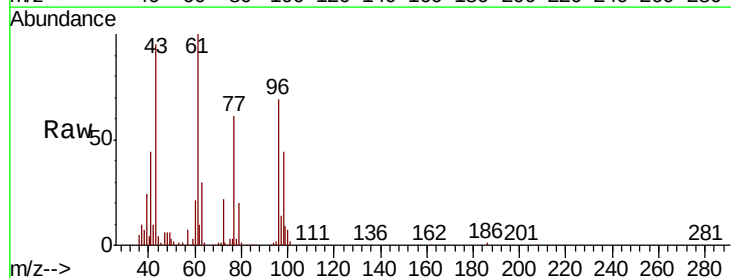
Acq: 18 Apr 2019 13:22

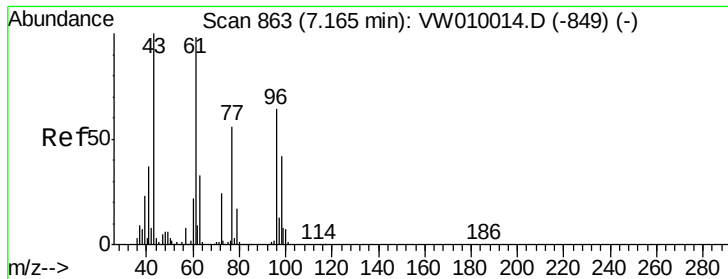
Tgt Ion: 77 Resp: 95066

Ion Ratio Lower Upper

77 100

97 22.8 11.3 33.9



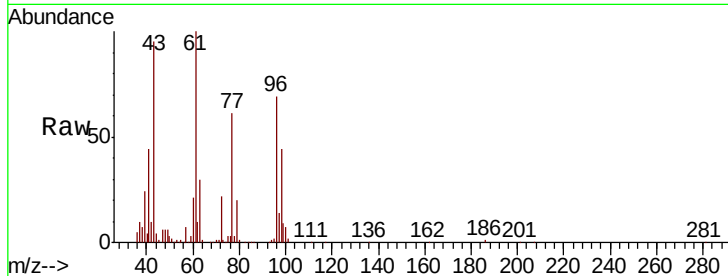


#27

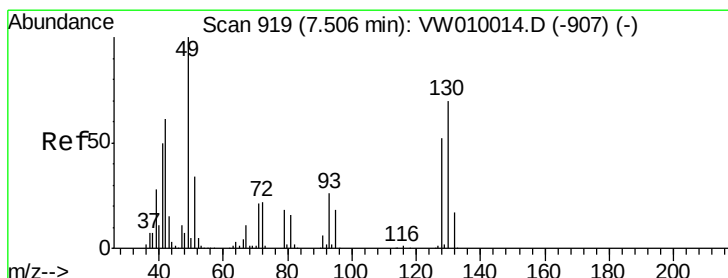
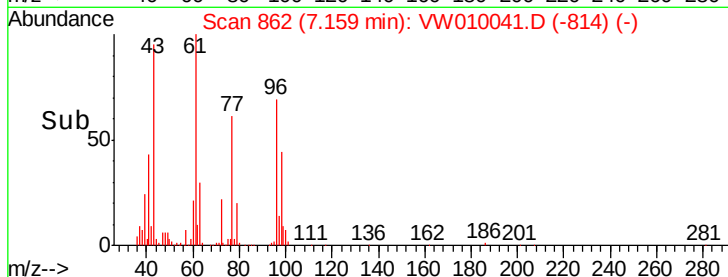
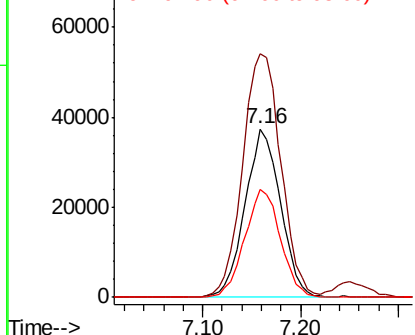
cis-1,2-Dichloroethene
 Concen: 18.926 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tgt Ion: 96 Resp: 94374
 Ion Ratio Lower Upper
 96 100
 61 155.6 0.0 309.4
 98 64.4 0.0 128.6



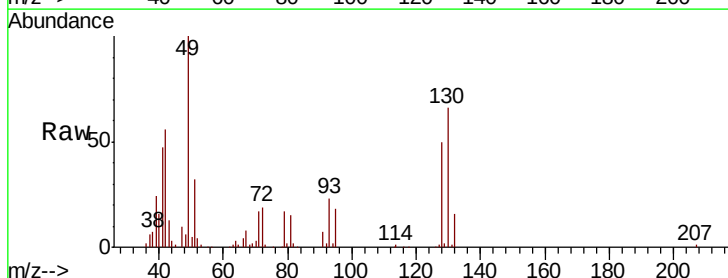
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



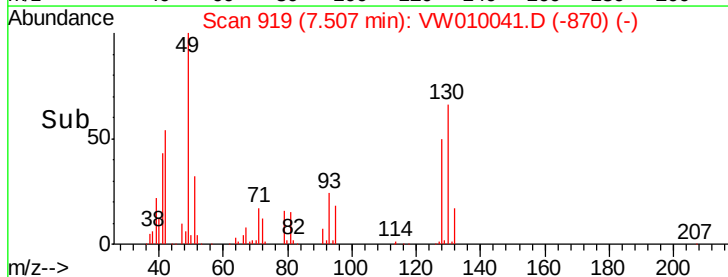
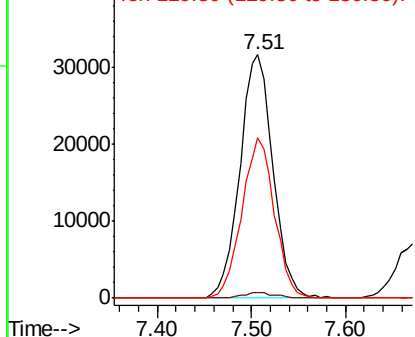
#28

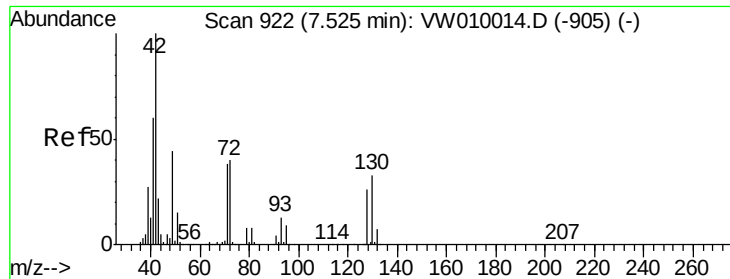
Bromochloromethane
 Concen: 21.028 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 49 Resp: 77567
 Ion Ratio Lower Upper
 49 100
 129 2.3 0.0 3.8
 130 64.8 54.6 82.0



Abundance Ion 48.90 (48.60 to 49.60): VW
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 99.424 ug/l

RT: 7.52 min Scan# 922

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

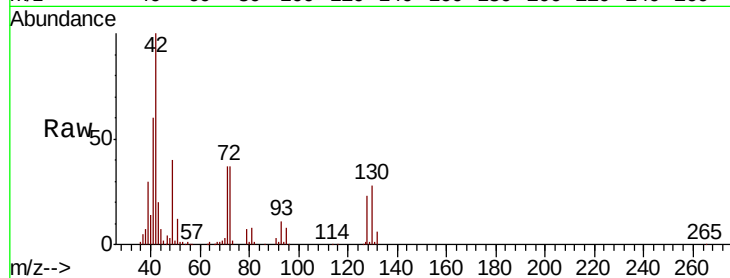
Tgt Ion: 42 Resp: 100356

Ion Ratio Lower Upper

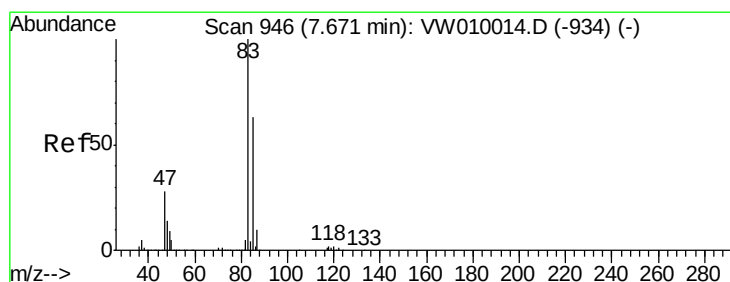
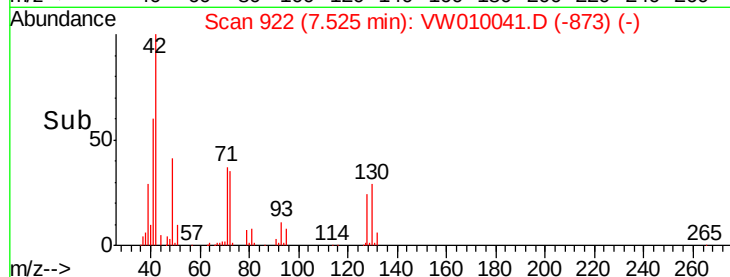
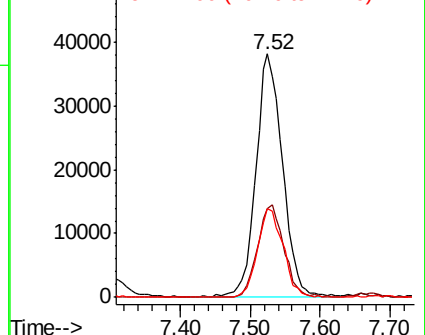
42 100

72 37.8 31.0 46.6

71 35.1 29.7 44.5



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



#30

Chloroform

Concen: 19.413 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW010041.D

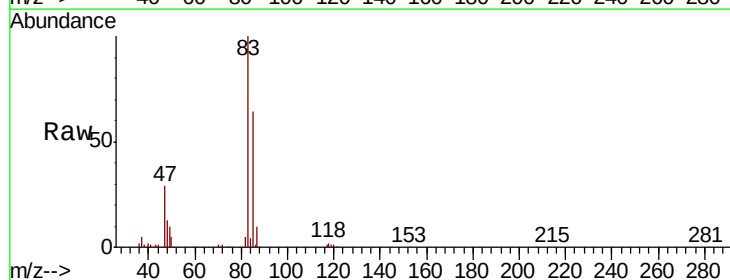
Acq: 18 Apr 2019 13:22

Tgt Ion: 83 Resp: 175584

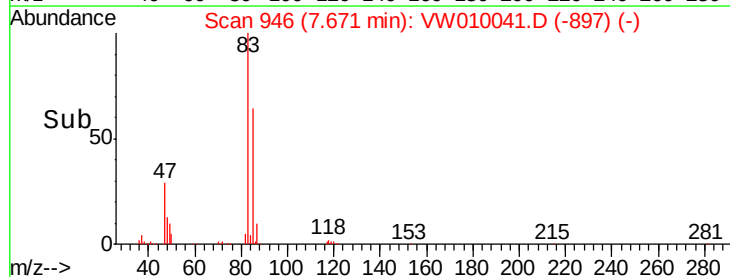
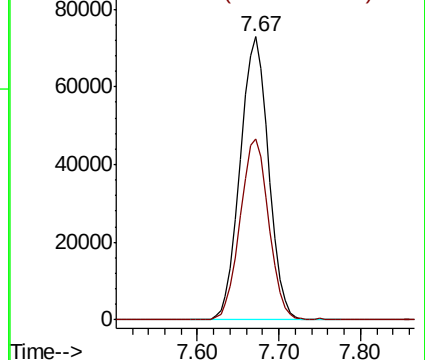
Ion Ratio Lower Upper

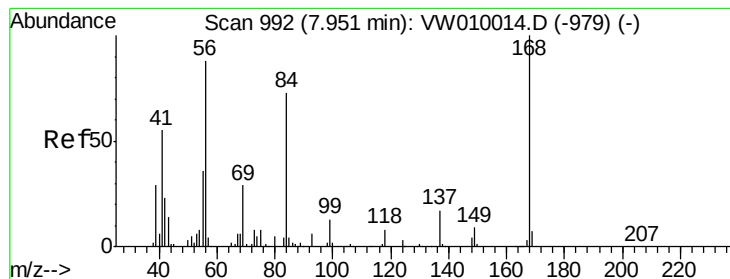
83 100

85 64.1 50.7 76.1



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





#31

Cyclohexane

Concen: 18.957 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

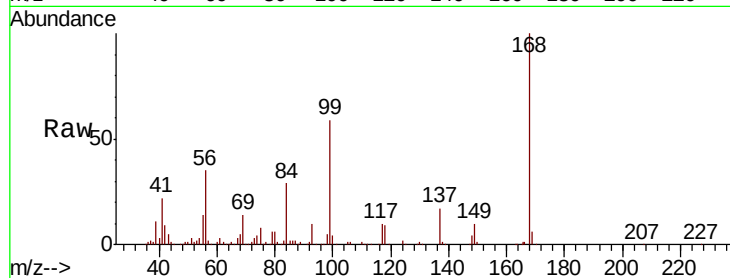
Tgt Ion: 56 Resp: 160231

Ion Ratio Lower Upper

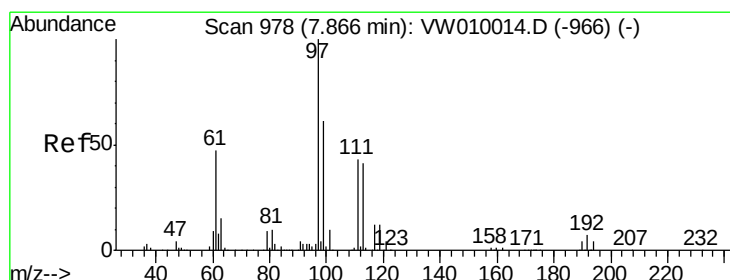
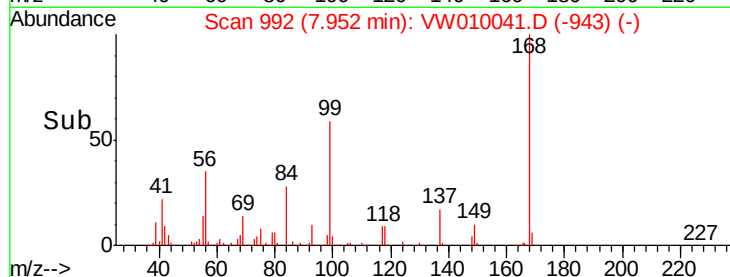
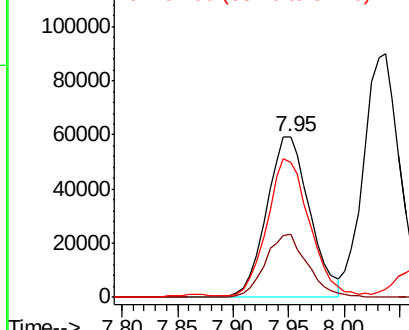
56 100

69 39.3 26.6 40.0

84 82.9 66.2 99.2



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: 18.843 ug/l

RT: 7.87 min Scan# 978

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

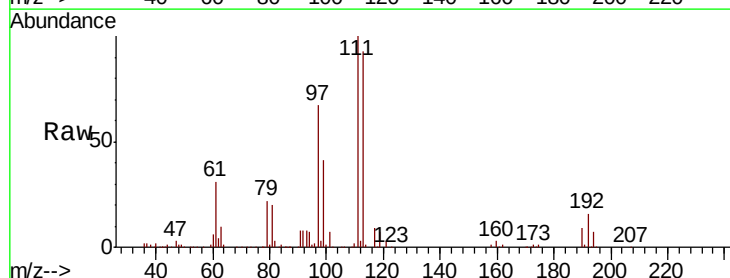
Tgt Ion: 97 Resp: 133789

Ion Ratio Lower Upper

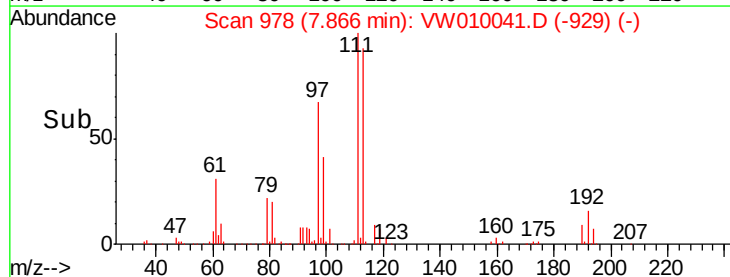
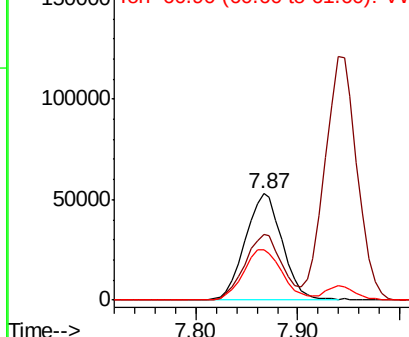
97 100

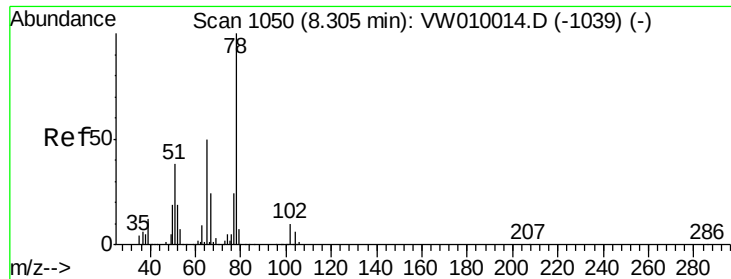
99 62.6 50.2 75.2

61 49.6 38.2 57.2



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

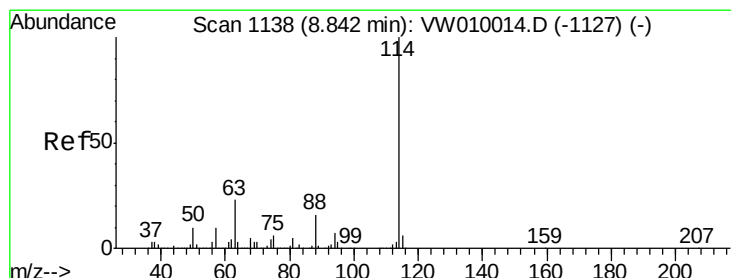
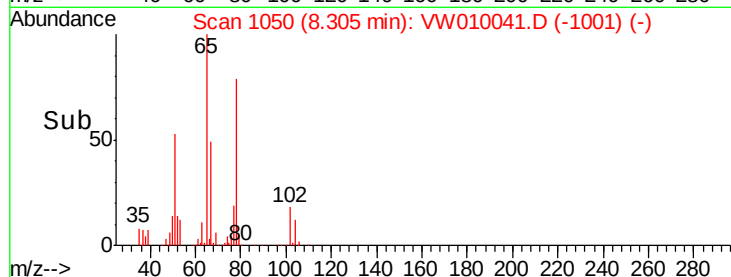
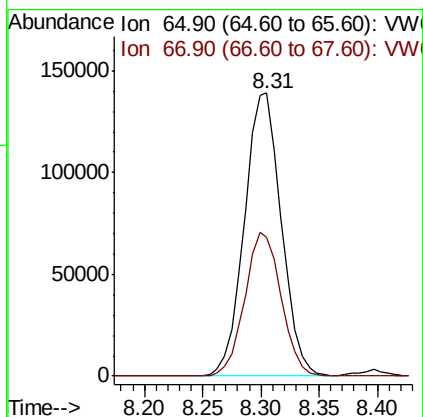
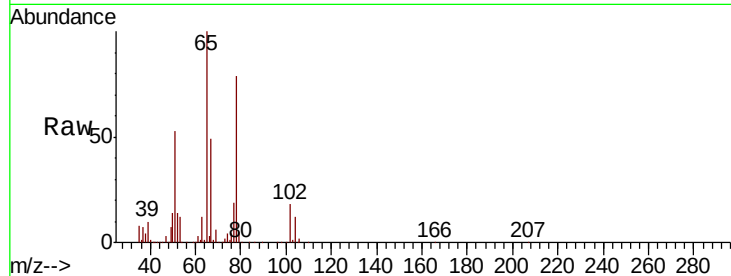




#33
 1,2-Dichloroethane-d4
 Concen: 58.885 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

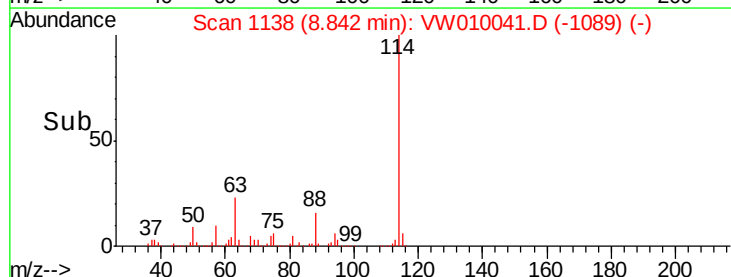
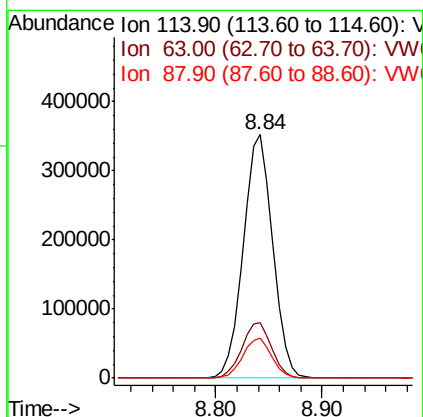
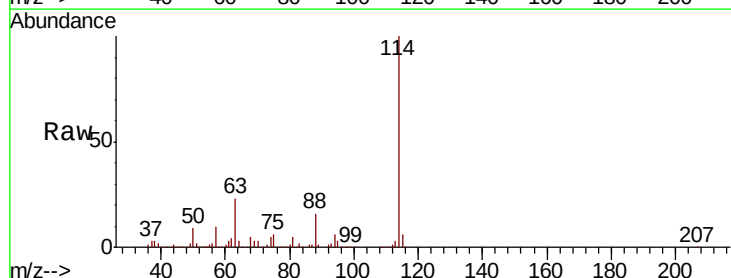
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

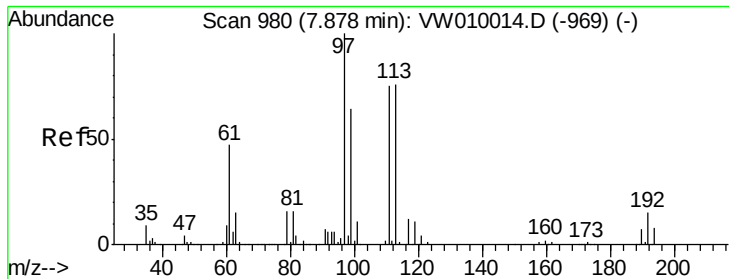
Tgt Ion: 65 Resp: 307771
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 114 Resp: 682399
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 46.2
 88 16.3 0.0 32.6

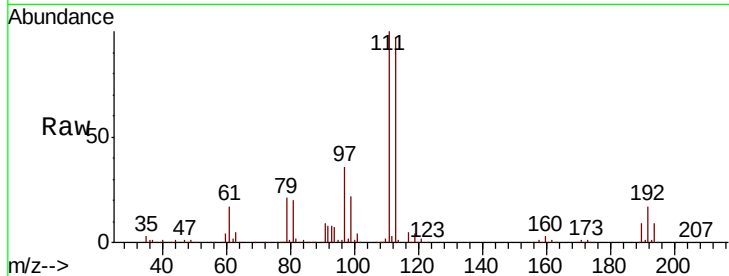




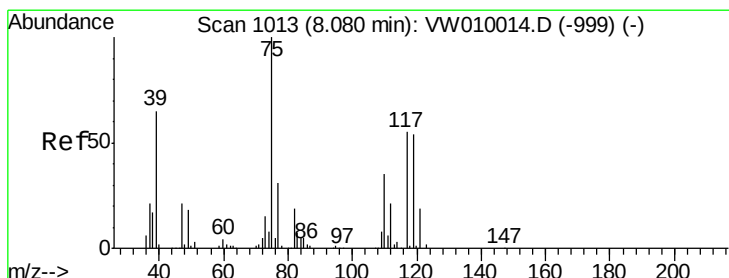
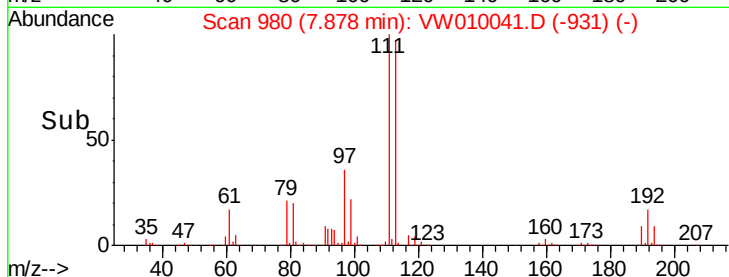
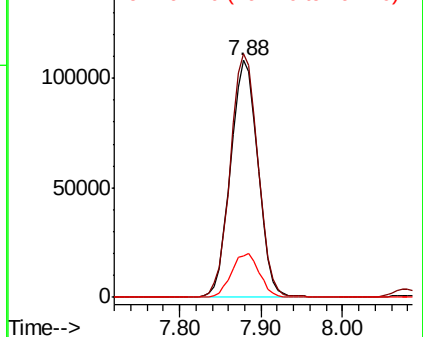
#35
 Dibromofluoromethane
 Concen: 57.727 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	123.8
192	18.8	15.4	23.2

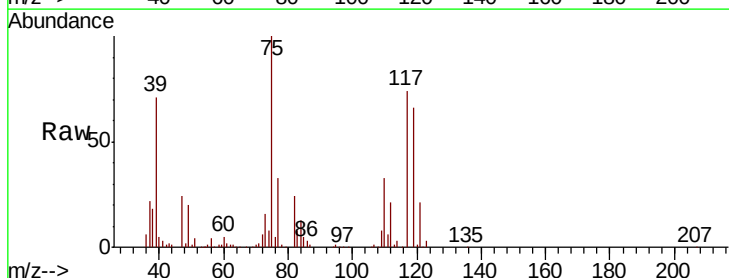


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

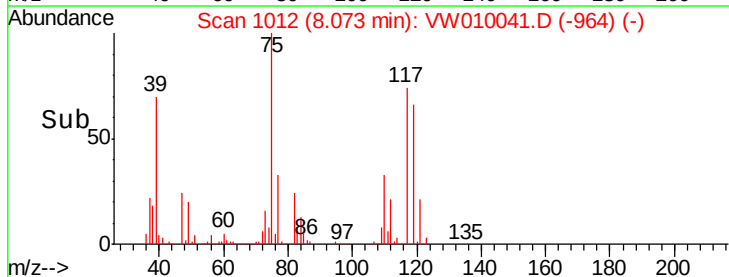
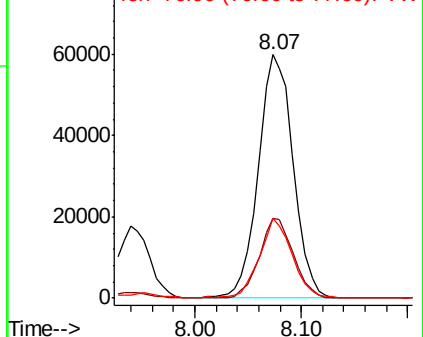


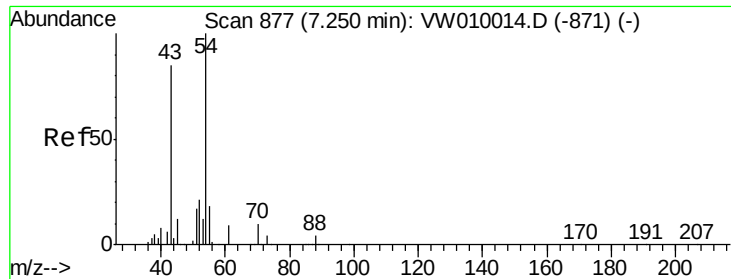
#36
 1,1-Dichloropropene
 Concen: 19.609 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.1	16.6	49.8
77	31.1	24.8	37.2



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

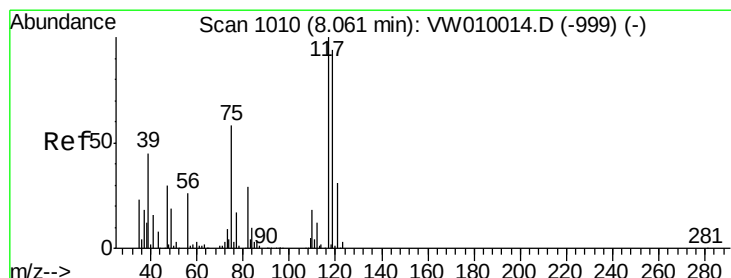
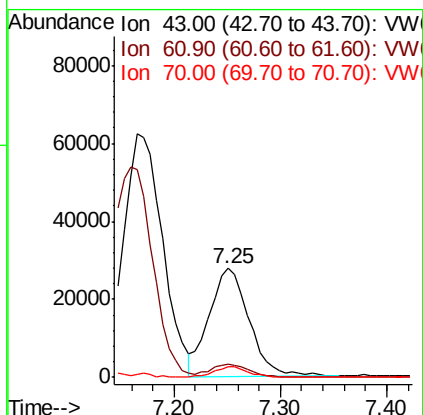
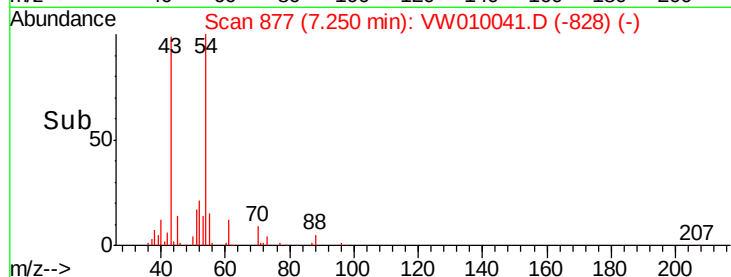
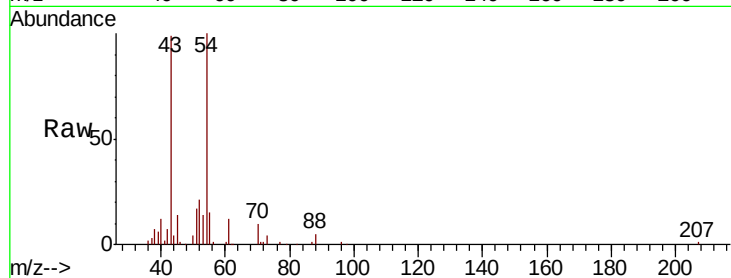




#37
Ethyl Acetate
Concen: 20.429 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

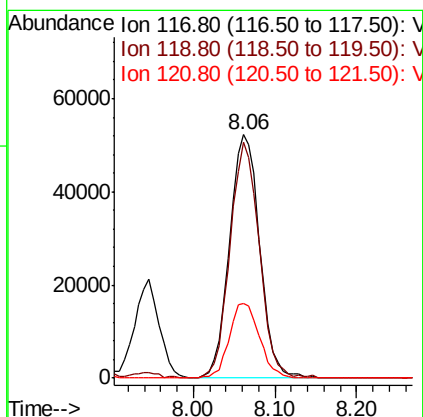
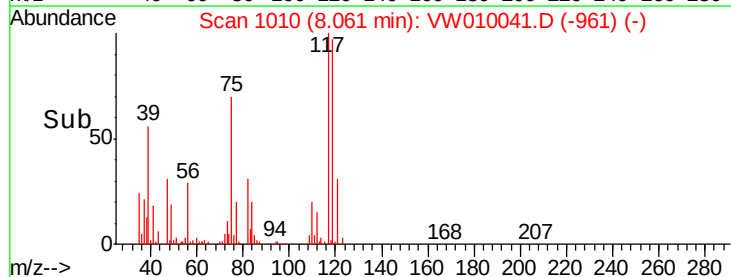
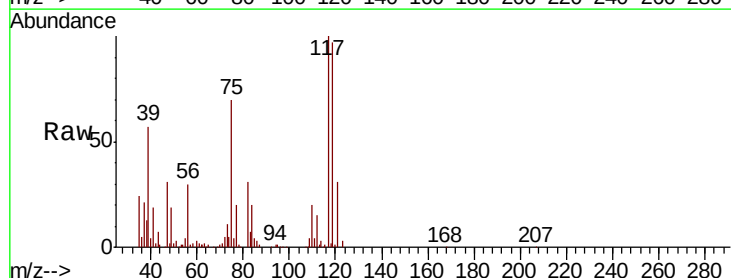
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

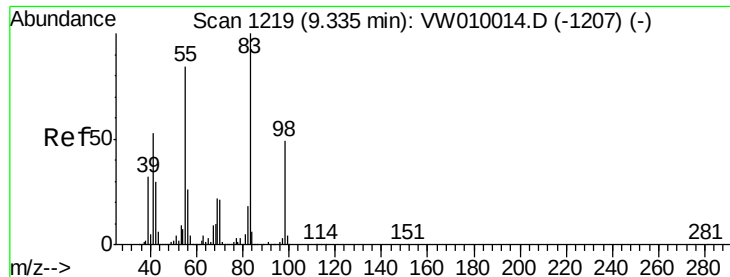
Tgt Ion: 43 Resp: 72360
Ion Ratio Lower Upper
43 100
61 11.3 9.8 14.8
70 8.8 7.4 11.0



#38
Carbon Tetrachloride
Concen: 19.529 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 117 Resp: 132856
Ion Ratio Lower Upper
117 100
119 96.8 75.3 112.9
121 30.6 24.4 36.6

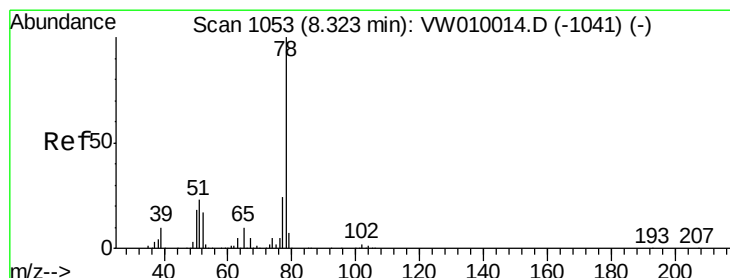
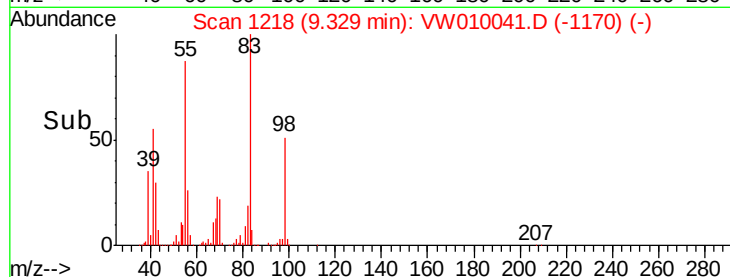
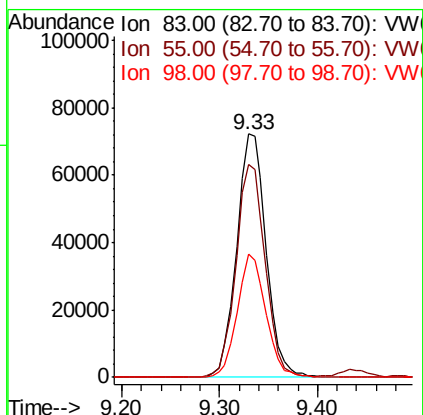
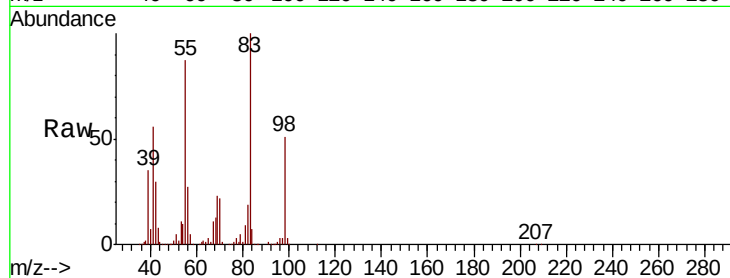




#39
Methylcyclohexane
Concen: 18.548 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

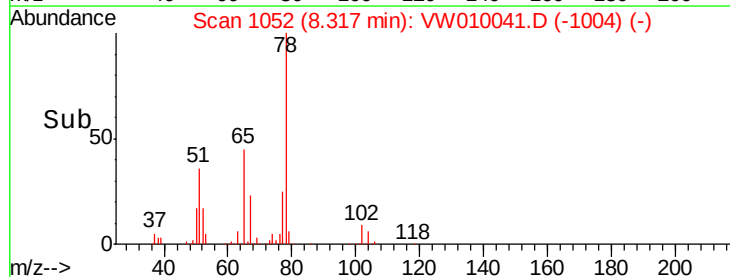
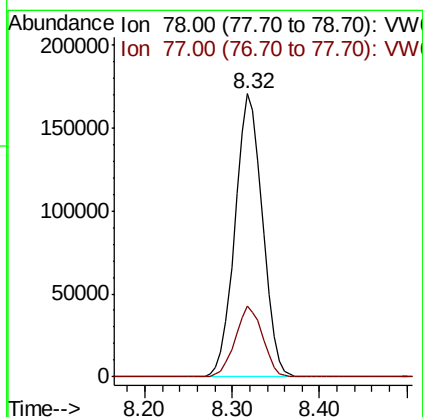
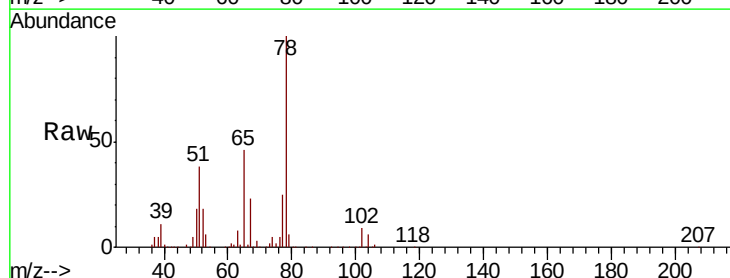
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

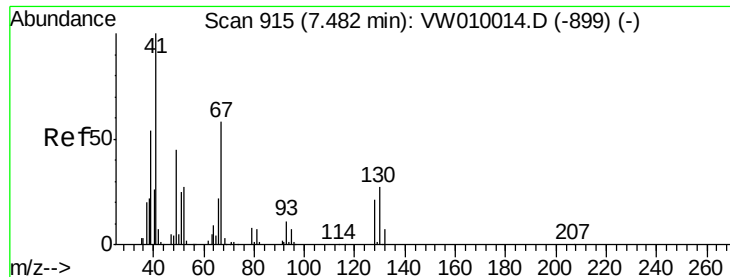
Tgt Ion: 83 Resp: 150784
Ion Ratio Lower Upper
83 100
55 87.2 67.1 100.7
98 50.8 39.2 58.8



#40
Benzene
Concen: 19.540 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 78 Resp: 372416
Ion Ratio Lower Upper
78 100
77 25.0 19.1 28.7

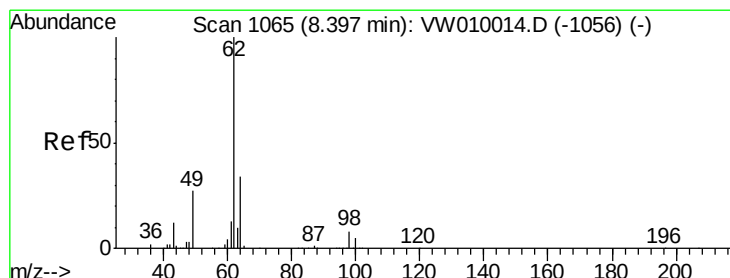
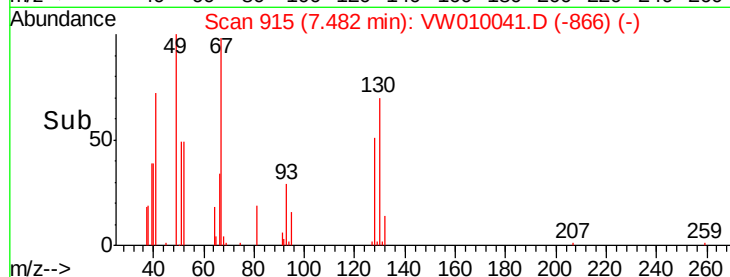
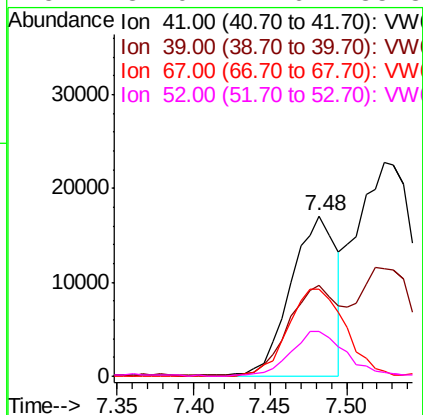
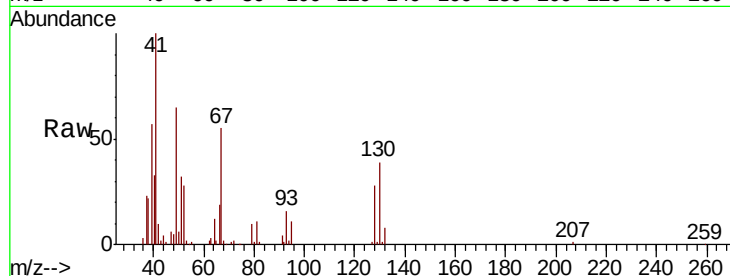




#41
Methacrylonitrile
Concen: 17.621 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

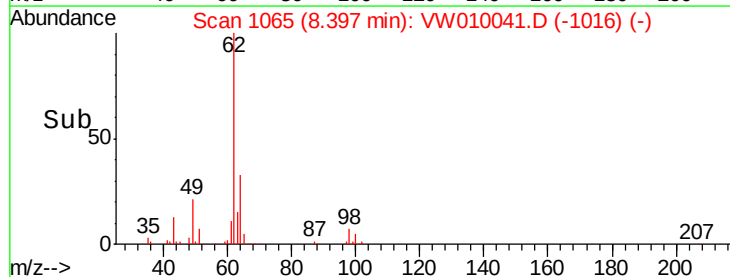
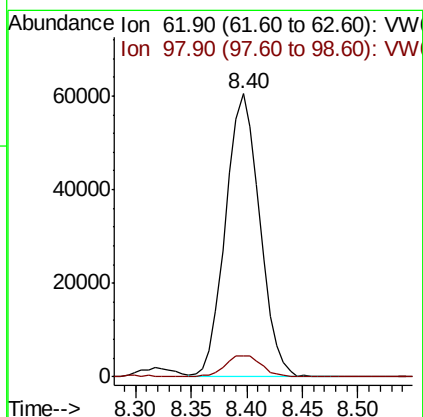
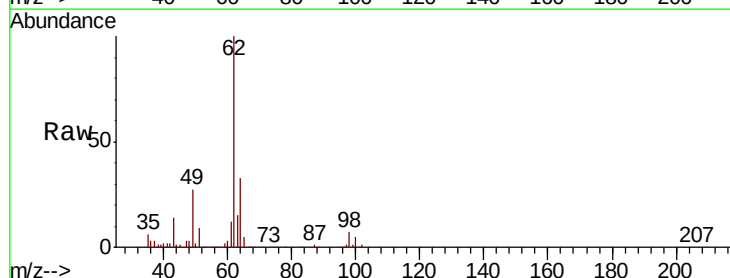
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

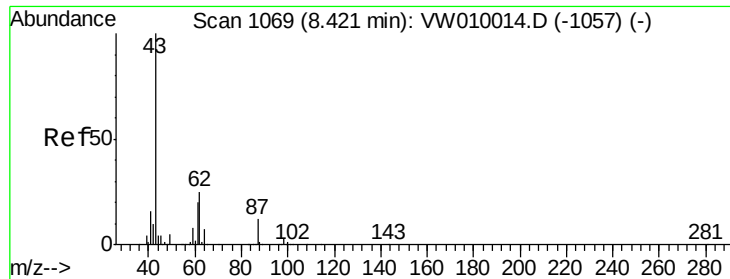
Tgt Ion: 41 Resp: 35572
Ion Ratio Lower Upper
41 100
39 64.9 45.0 67.4
67 68.1 50.7 76.1
52 34.0 22.6 33.8#



#42
1,2-Dichloroethane
Concen: 19.707 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 62 Resp: 129078
Ion Ratio Lower Upper
62 100
98 8.0 0.0 16.6





#43

Isopropyl Acetate

Concen: 19.644 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

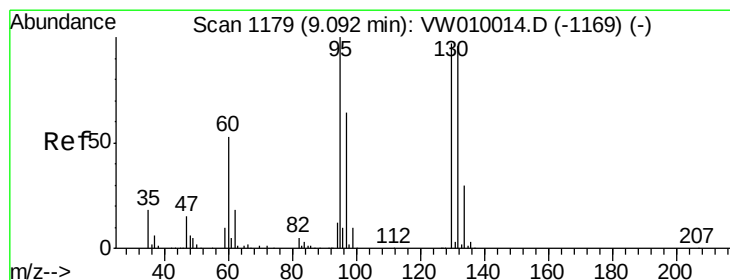
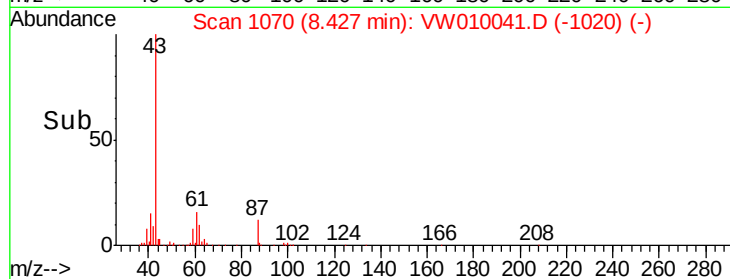
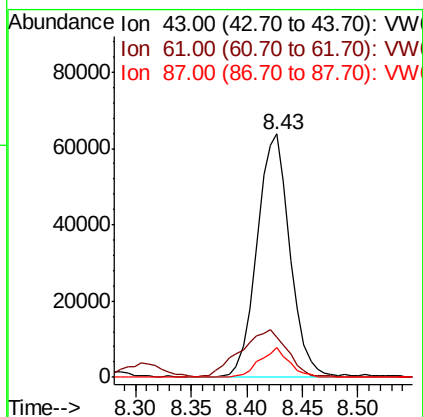
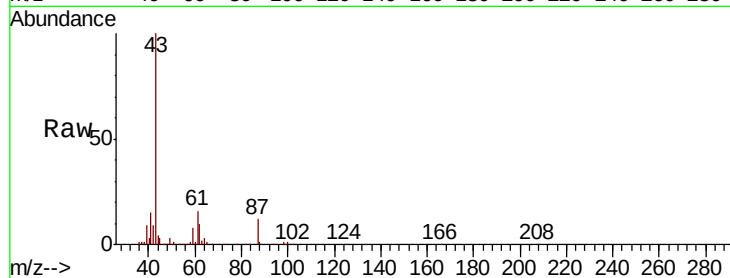
Tgt Ion: 43 Resp: 130385

Ion Ratio Lower Upper

43 100

61 28.1 23.0 34.6

87 11.1 9.3 13.9



#44

Trichloroethene

Concen: 19.492 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010041.D

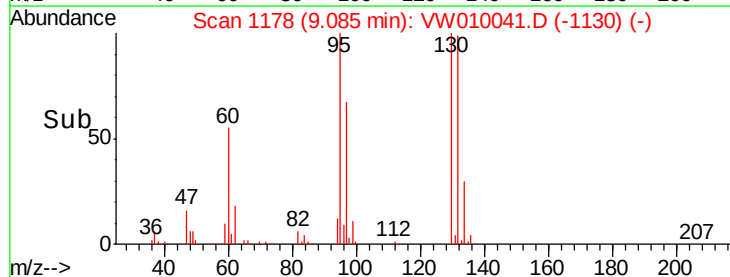
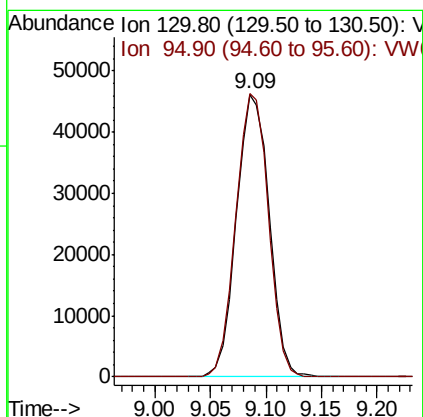
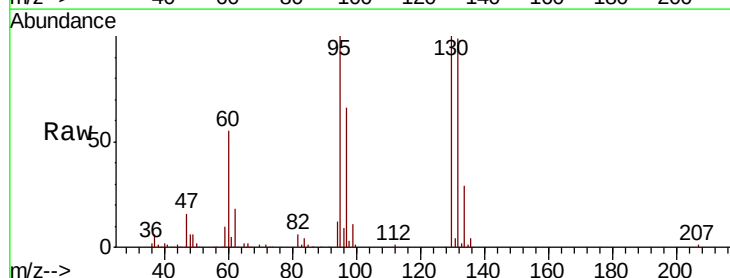
Acq: 18 Apr 2019 13:22

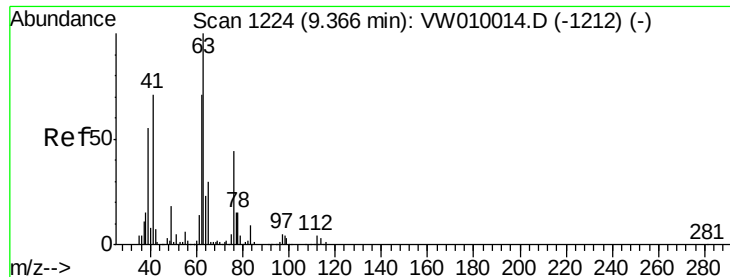
Tgt Ion: 130 Resp: 94359

Ion Ratio Lower Upper

130 100

95 100.2 0.0 205.4

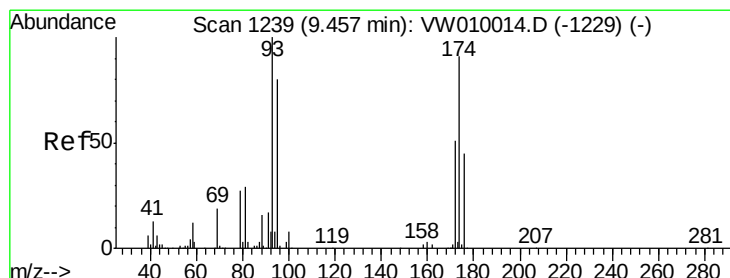
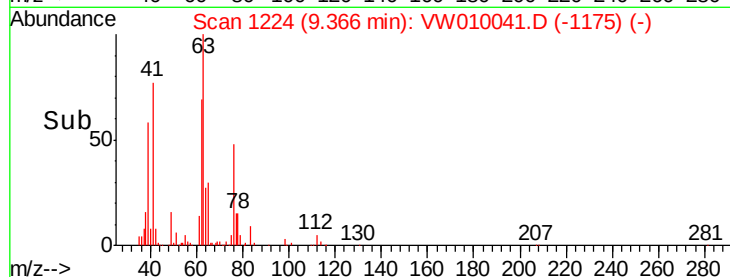
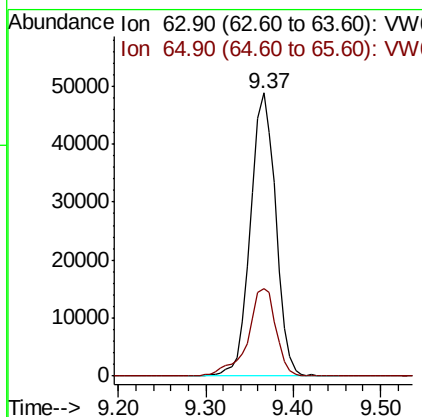
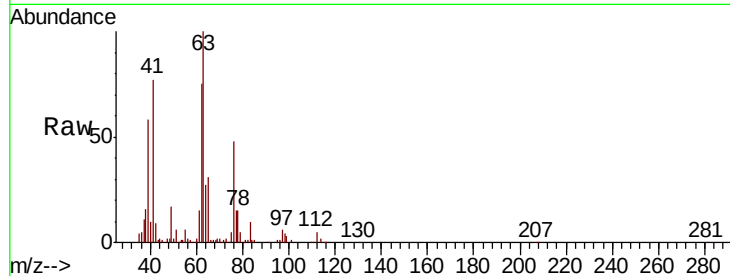




#45
 1,2-Dichloropropane
 Concen: 19.527 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

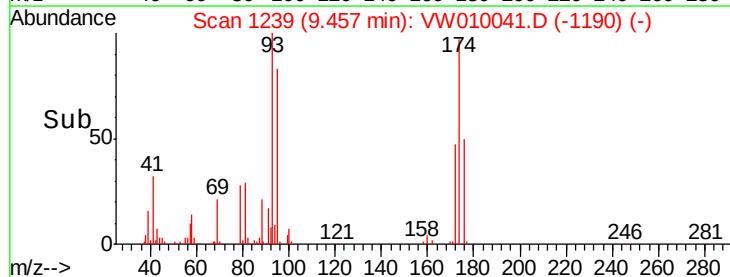
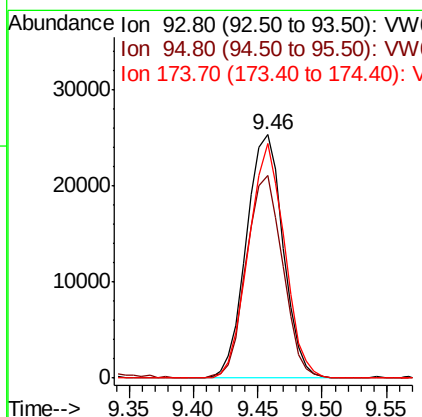
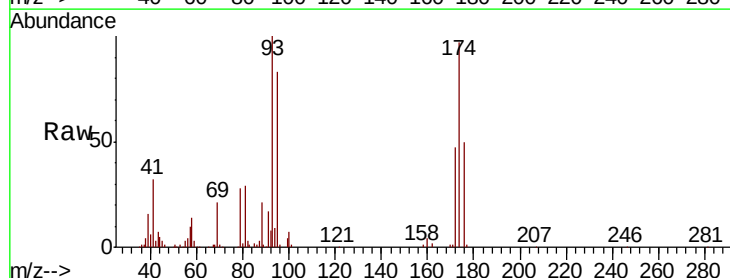
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

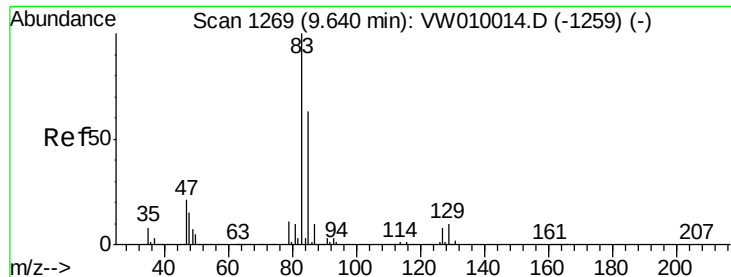
Tgt Ion: 63 Resp: 97824
 Ion Ratio Lower Upper
 63 100
 65 30.8 23.8 35.6



#46
 Dibromomethane
 Concen: 19.336 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 93 Resp: 50207
 Ion Ratio Lower Upper
 93 100
 95 82.2 65.8 98.8
 174 93.8 75.5 113.3

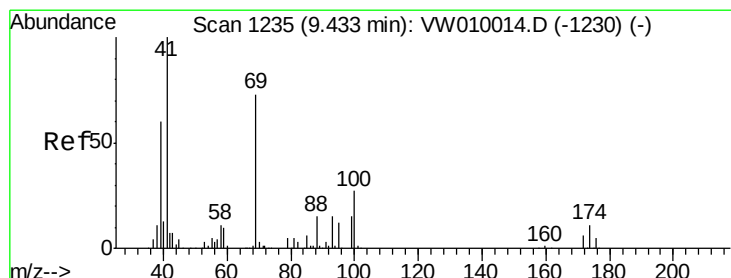
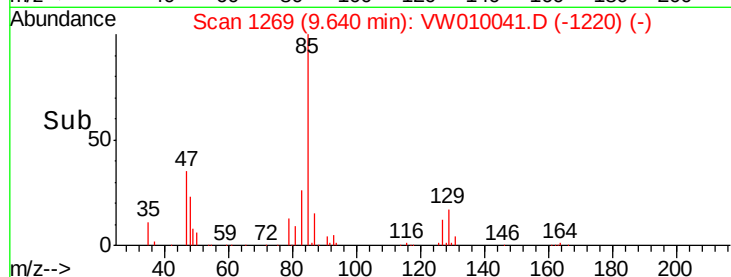
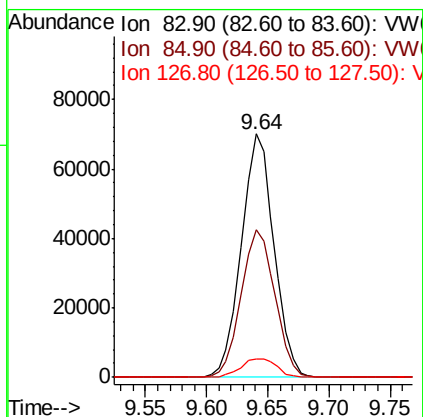
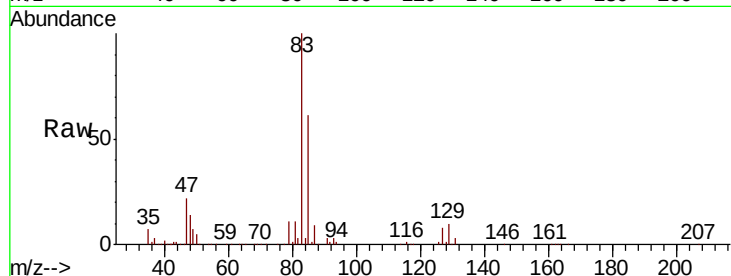




#47
 Bromodichloromethane
 Concen: 19.385 ug/l
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

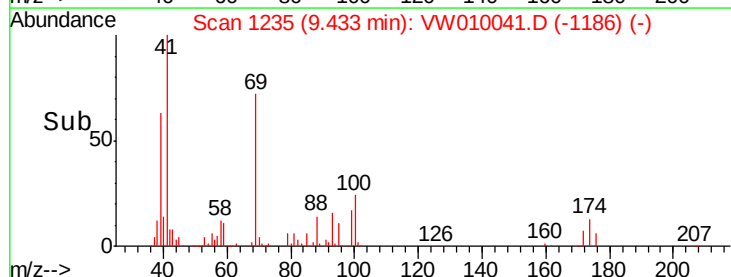
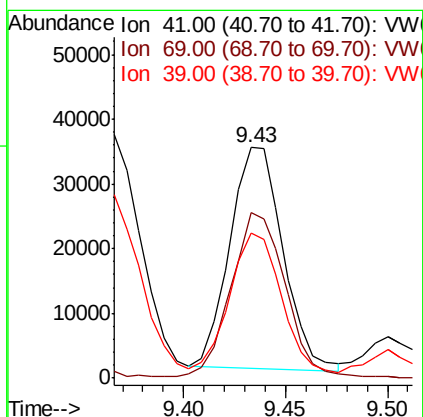
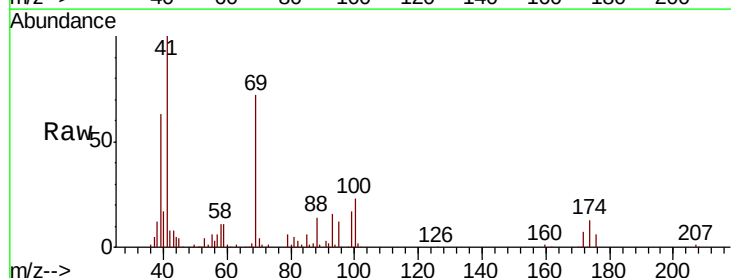
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

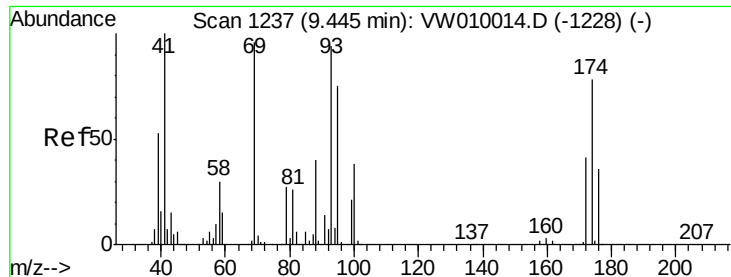
Tgt Ion: 83 Resp: 129930
 Ion Ratio Lower Upper
 83 100
 85 60.7 50.6 75.8
 127 7.6 6.6 10.0



#48
 Methyl methacrylate
 Concen: 19.027 ug/l
 RT: 9.43 min Scan# 1235
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 41 Resp: 61476
 Ion Ratio Lower Upper
 41 100
 69 77.3 60.1 90.1
 39 66.2 51.0 76.6

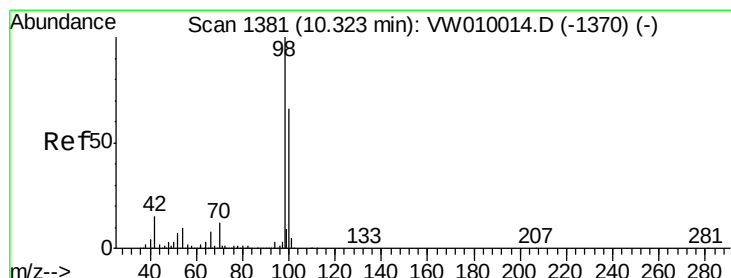
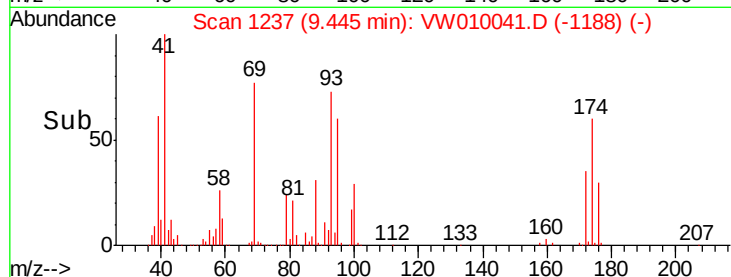
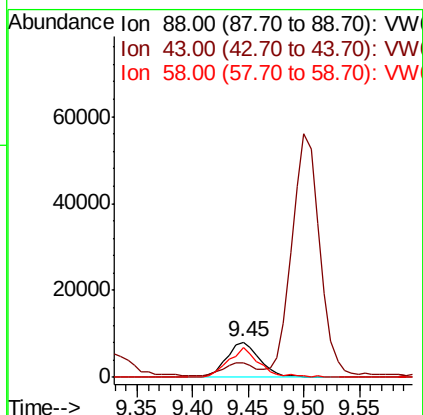
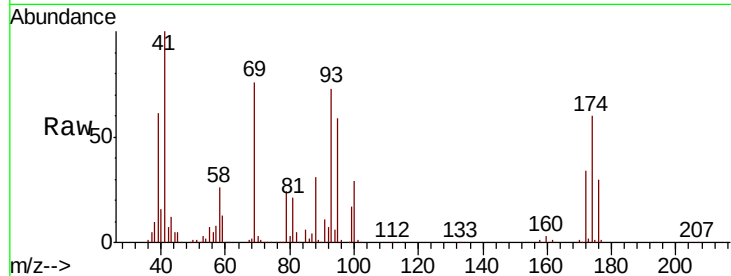




#49
 1,4-Dioxane
 Concen: 422.685 ug/l
 RT: 9.45 min Scan# 1237
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

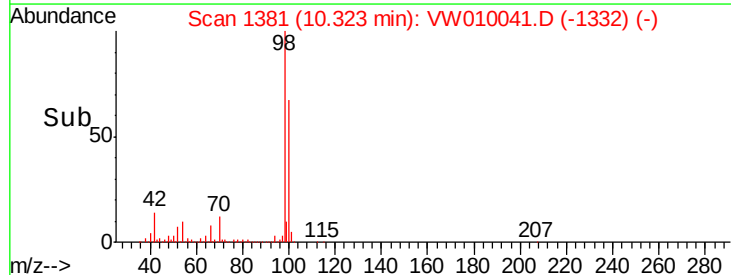
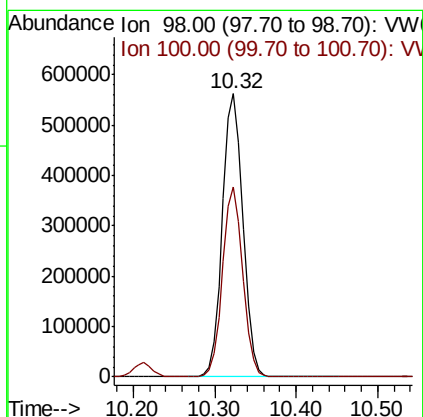
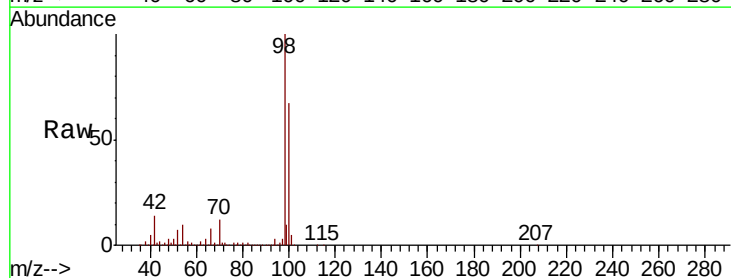
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

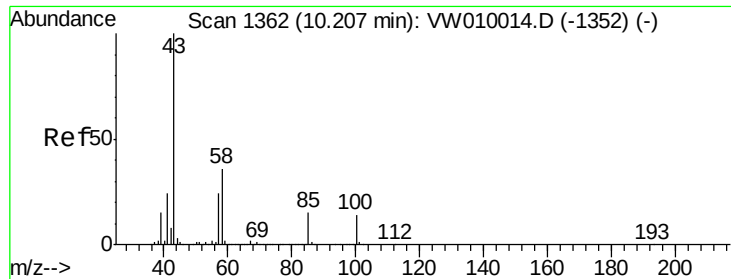
Tgt Ion: 88 Resp: 16770
 Ion Ratio Lower Upper
 88 100
 43 37.7 31.9 47.9
 58 74.4 61.8 92.6



#50
 Toluene-d8
 Concen: 60.284 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 98 Resp: 980037
 Ion Ratio Lower Upper
 98 100
 100 65.6 52.3 78.5

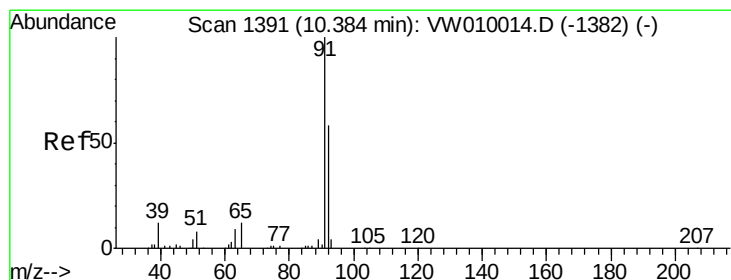
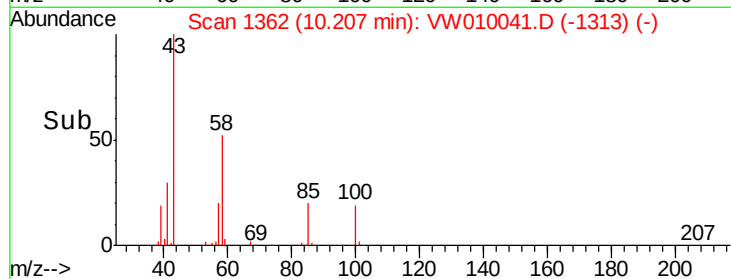
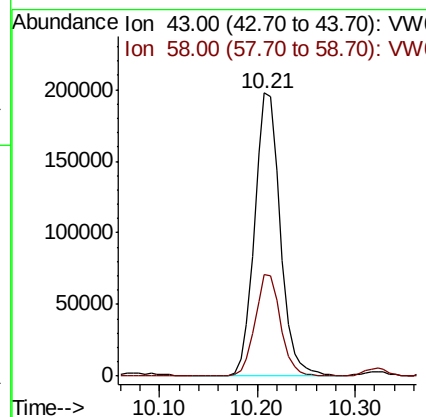
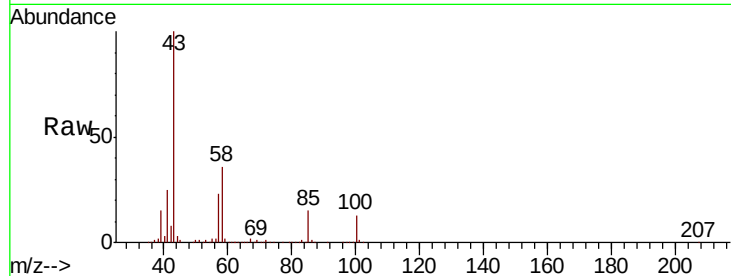




#51
 4-Methyl-2-Pentanone
 Concen: 103.456 ug/l
 RT: 10.21 min Scan# 1362
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

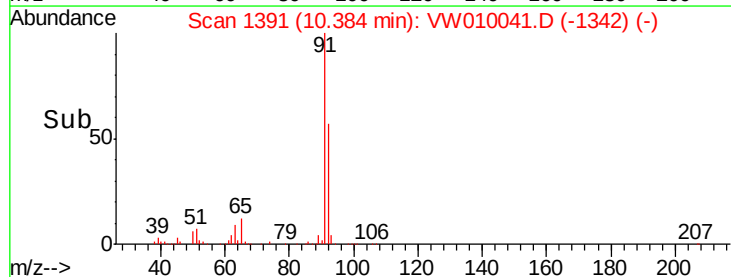
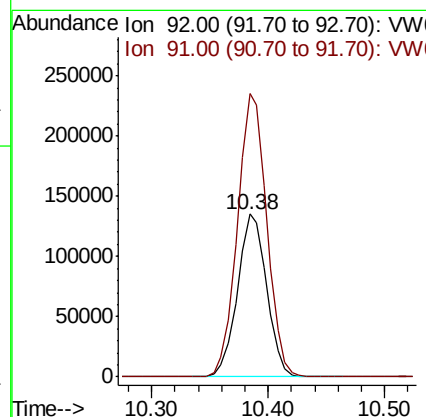
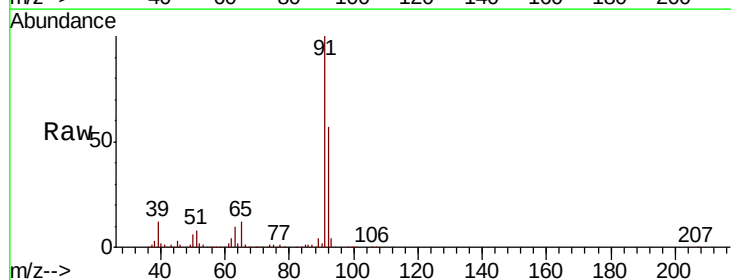
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

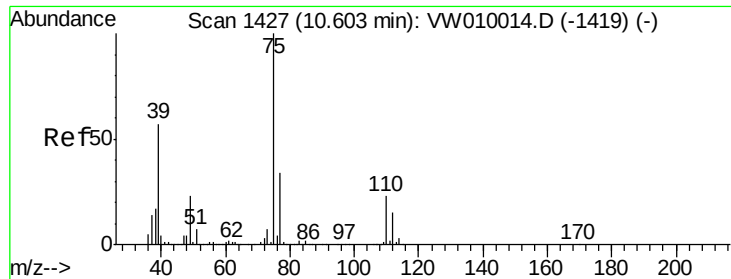
Tgt Ion: 43 Resp: 359655
 Ion Ratio Lower Upper
 43 100
 58 35.6 28.9 43.3



#52
 Toluene
 Concen: 19.806 ug/l
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion: 92 Resp: 235150
 Ion Ratio Lower Upper
 92 100
 91 174.6 138.5 207.7





#53

t-1,3-Dichloropropene

Concen: 19.638 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

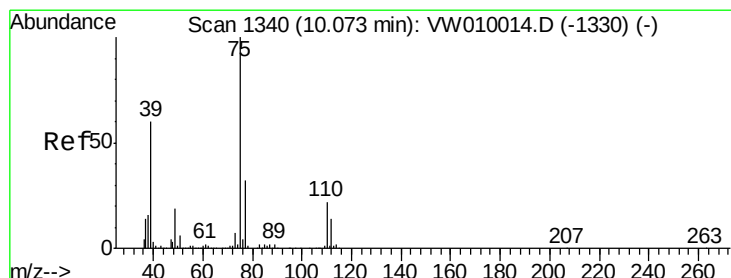
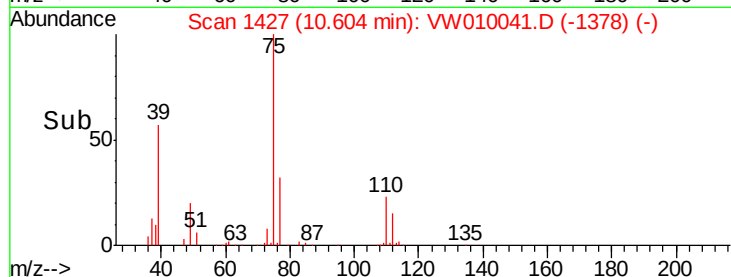
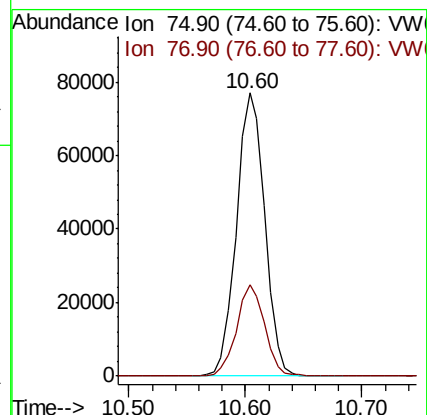
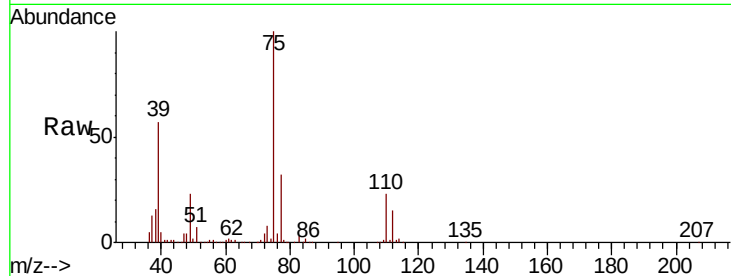
VW0418SBS01

Tgt Ion: 75 Resp: 130502

Ion Ratio Lower Upper

75 100

77 32.0 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 19.426 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

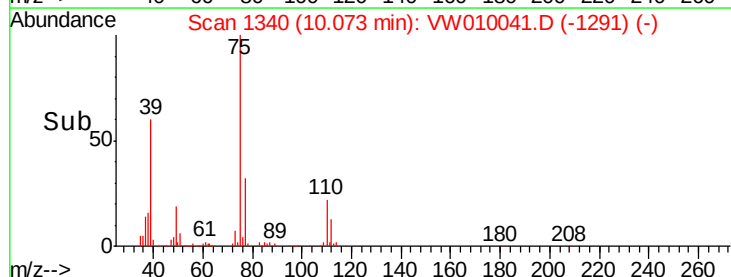
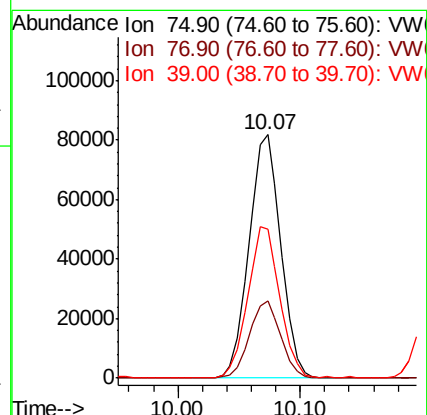
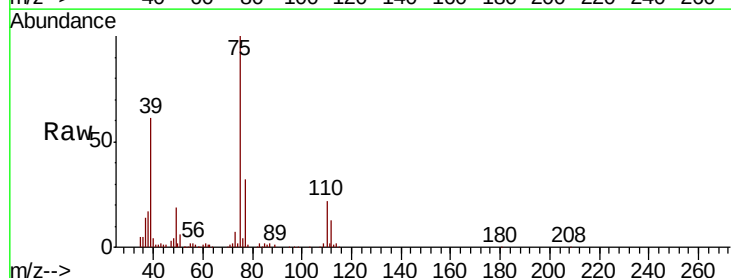
Tgt Ion: 75 Resp: 147406

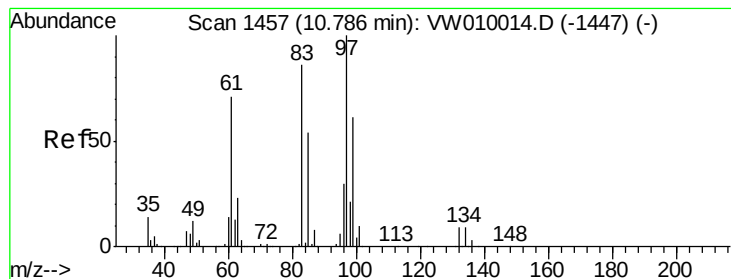
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 60.8 47.8 71.6





#55

1,1,2-Trichloroethane

Concen: 19.984 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

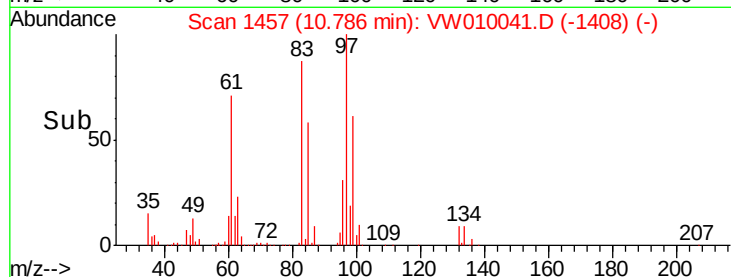
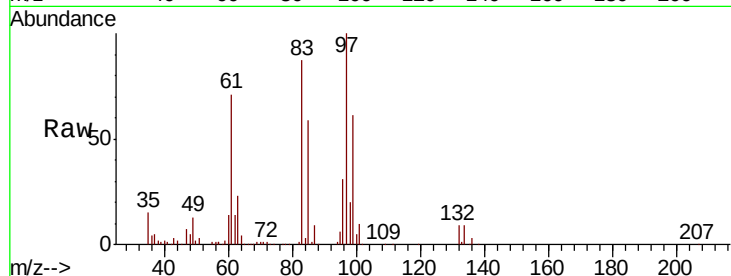
MSVOA_W

ClientSampleId :

VW0418SBS01

Tgt Ion: 97 Resp: 72424

Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.9	103.3
85	58.5	42.9	64.3
99	60.8	48.6	72.8



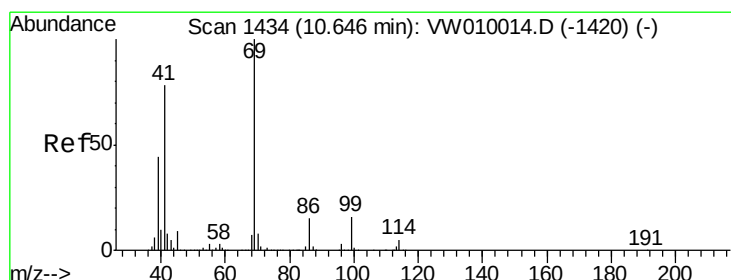
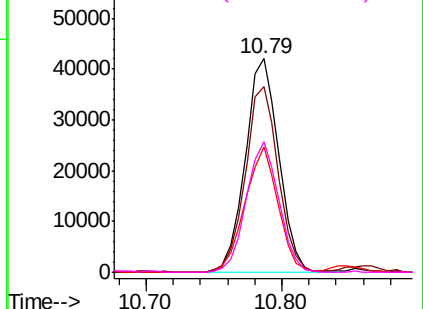
Abundance

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: 19.246 ug/l

RT: 10.65 min Scan# 1434

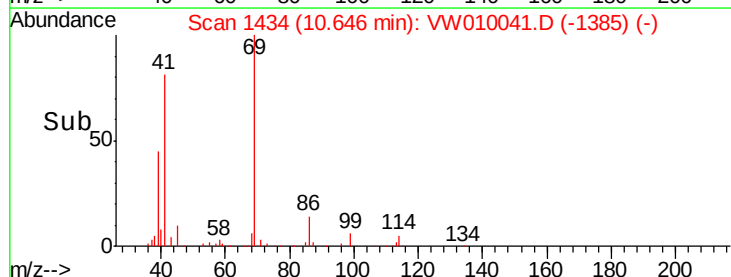
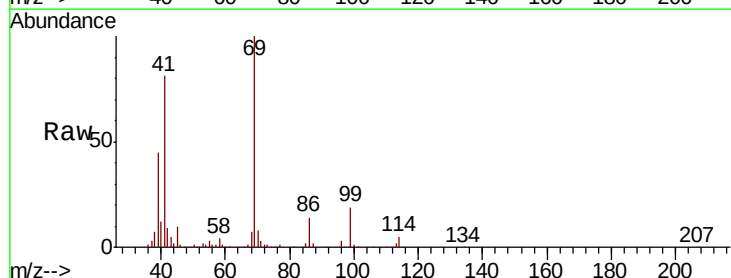
Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Tgt Ion: 69 Resp: 88226

Ion	Ratio	Lower	Upper
69	100		
41	79.9	61.0	91.6
39	42.5	33.8	50.6

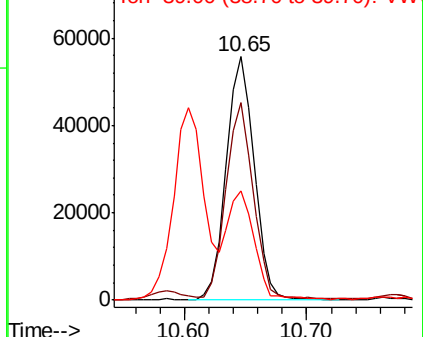


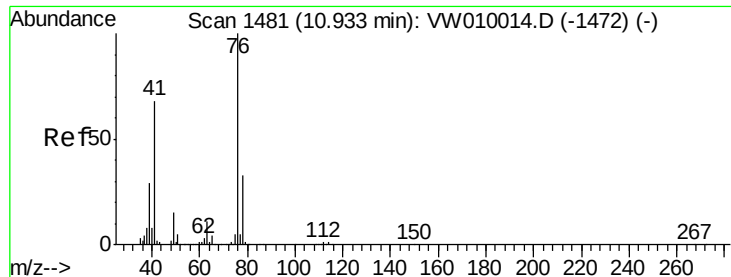
Abundance

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: 19.892 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

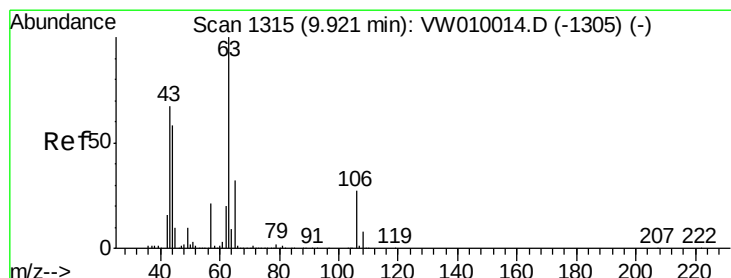
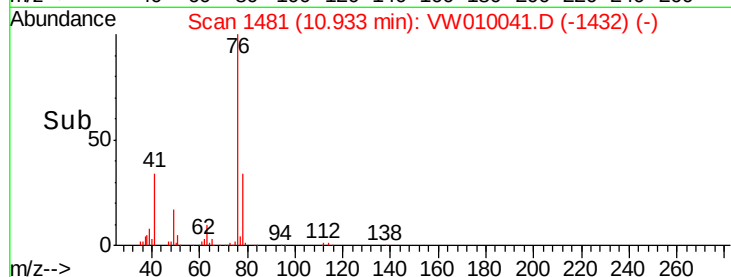
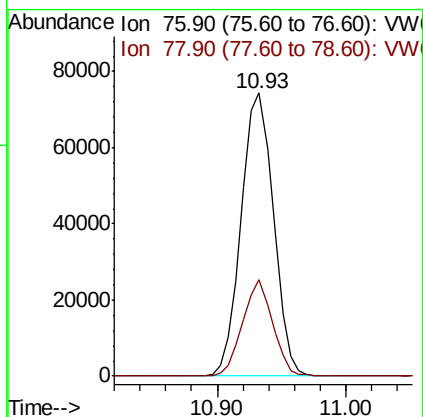
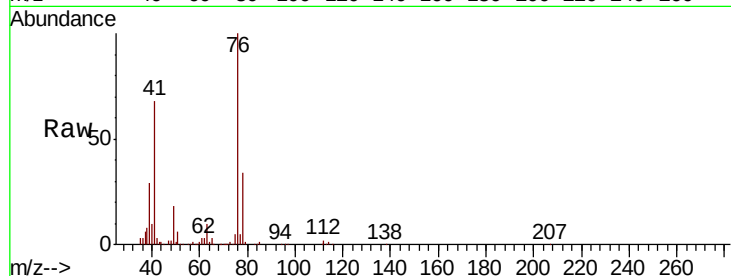
VW0418SBS01

Tgt Ion: 76 Resp: 129215

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 132.011 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010041.D

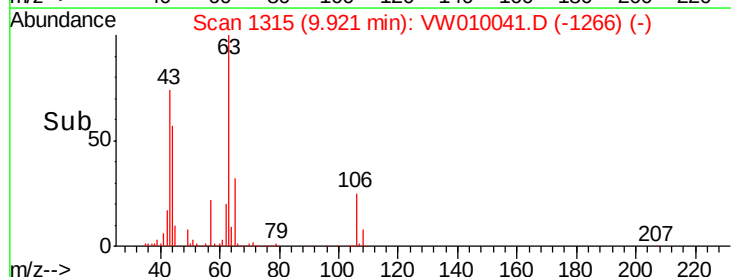
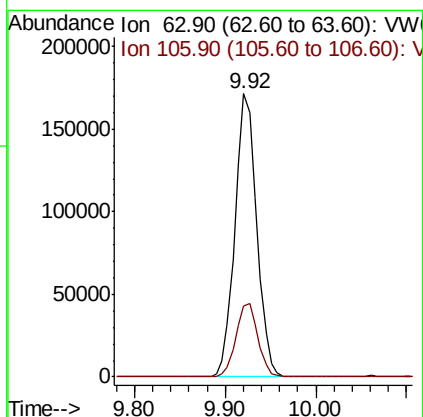
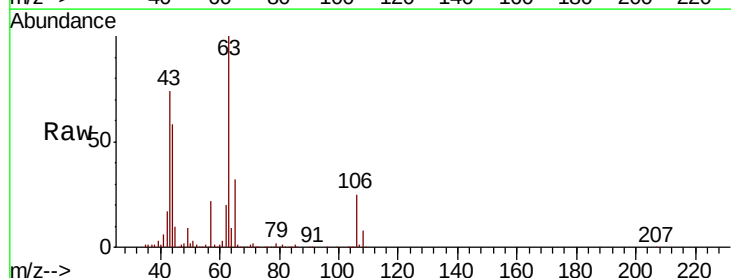
Acq: 18 Apr 2019 13:22

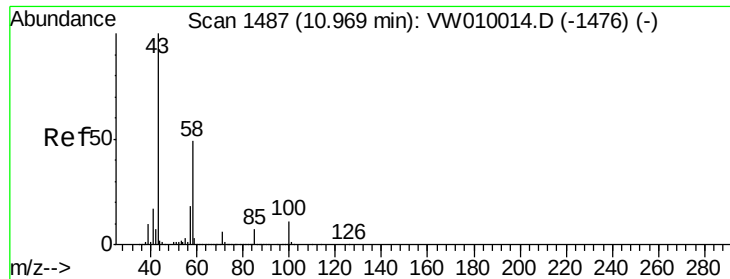
Tgt Ion: 63 Resp: 285876

Ion Ratio Lower Upper

63 100

106 26.2 21.4 32.0

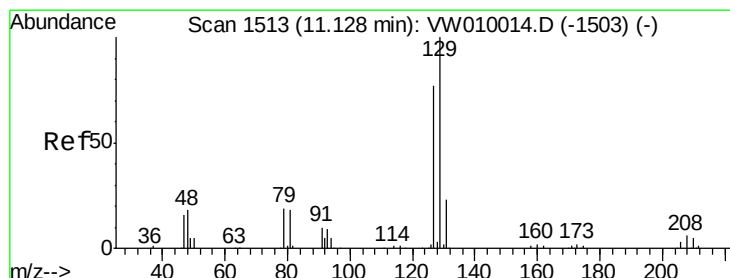
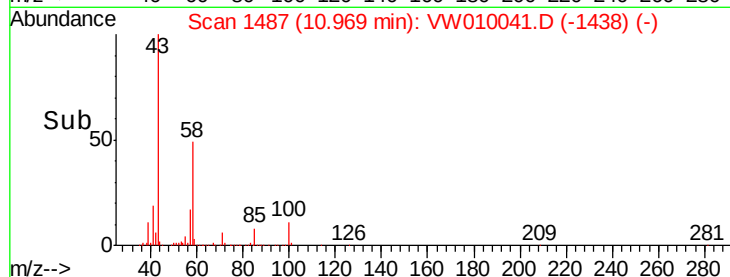
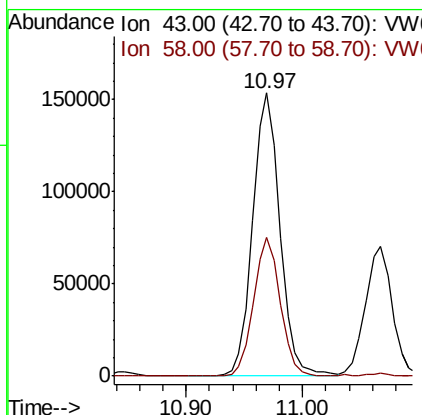
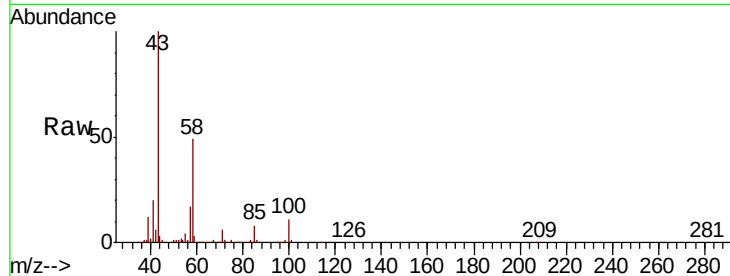




#59
2-Hexanone
Concen: 103.744 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

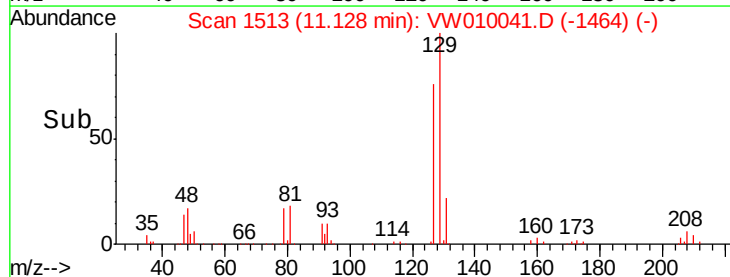
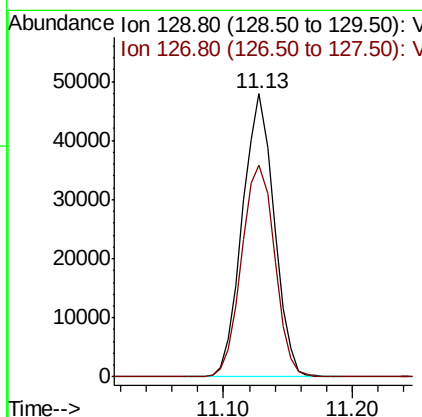
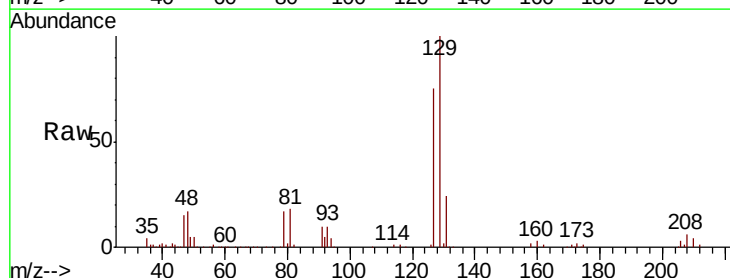
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

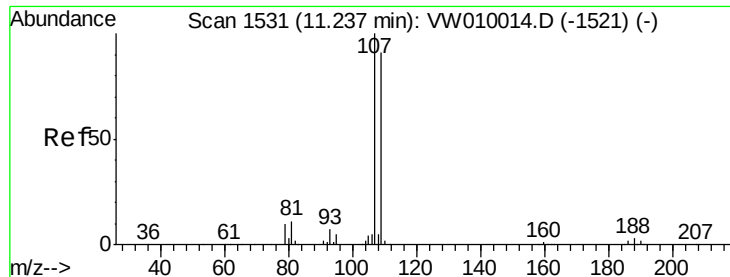
Tgt Ion: 43 Resp: 251056
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.7



#60
Dibromochloromethane
Concen: 19.505 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 129 Resp: 81701
Ion Ratio Lower Upper
129 100
127 77.7 38.6 116.0

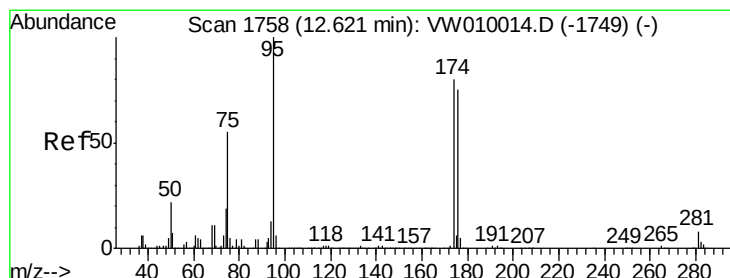
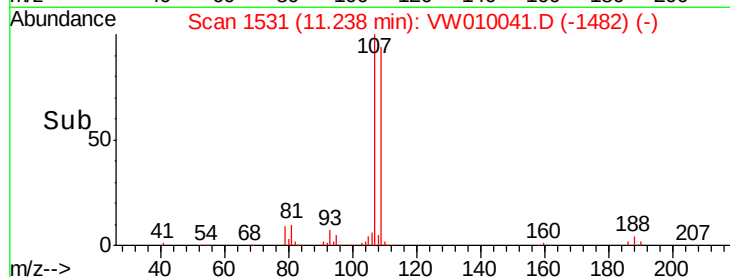
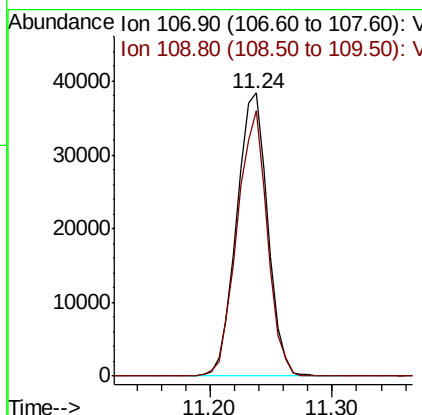
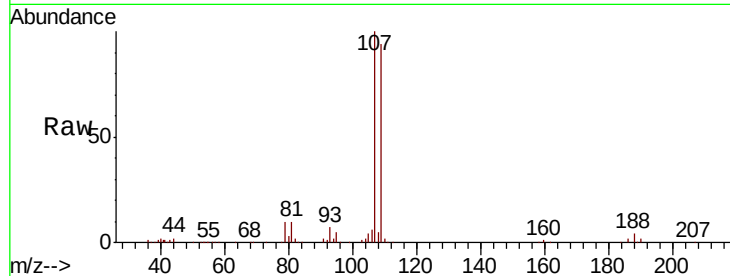




#61
1,2-Dibromoethane
Concen: 19.627 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

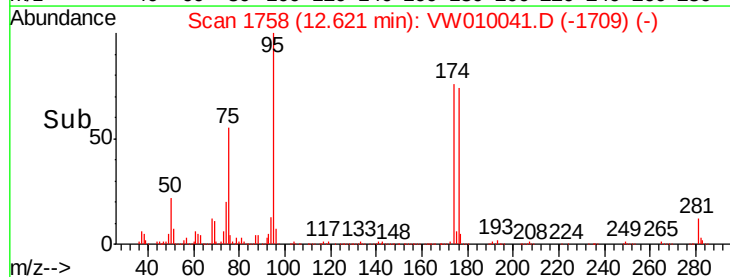
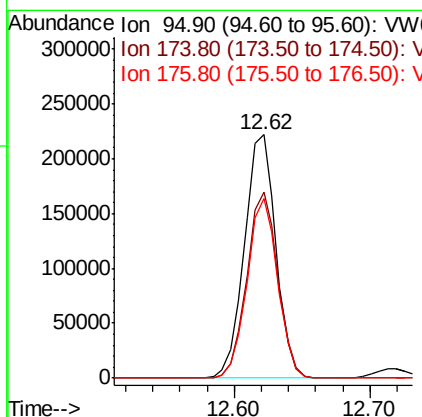
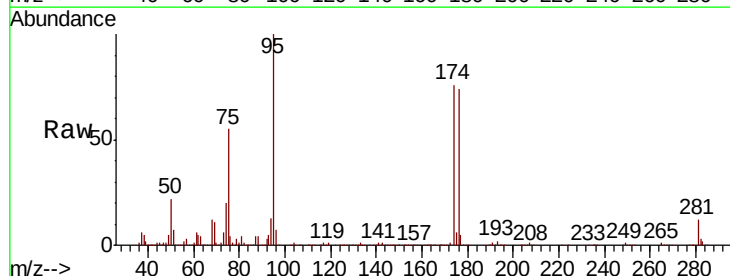
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

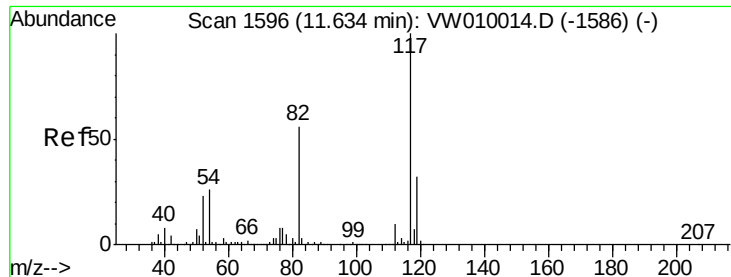
Tgt Ion: 107 Resp: 67665
Ion Ratio Lower Upper
107 100
109 91.0 73.6 110.4



#62
4-Bromofluorobenzene
Concen: 60.660 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 95 Resp: 358463
Ion Ratio Lower Upper
95 100
174 75.6 0.0 151.4
176 72.3 0.0 146.2

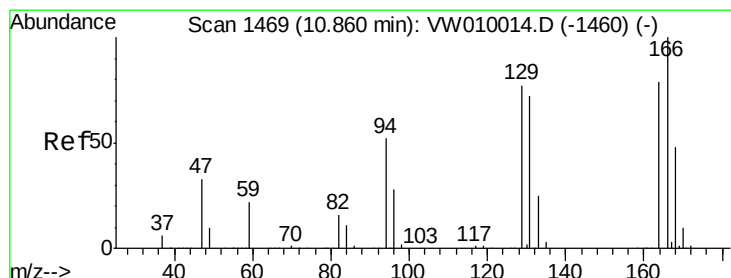
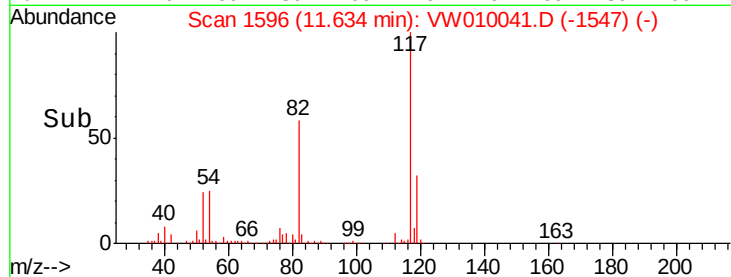
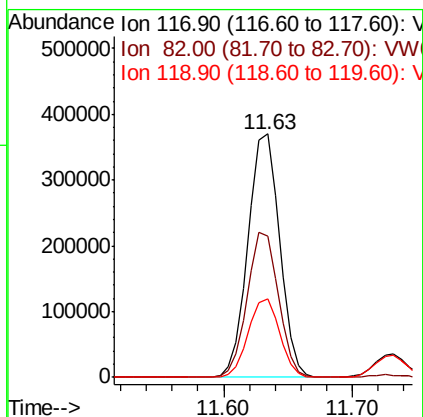
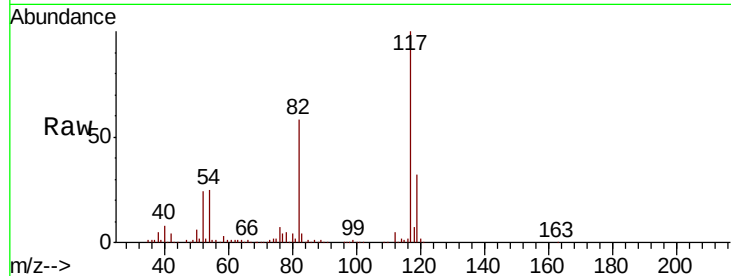




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

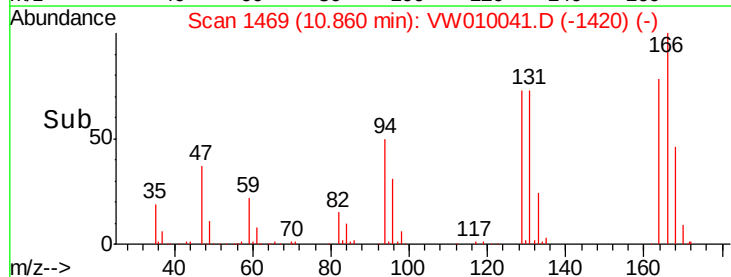
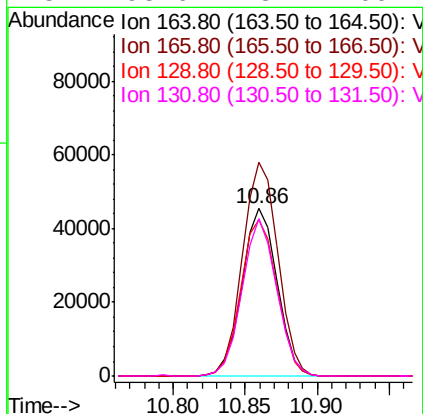
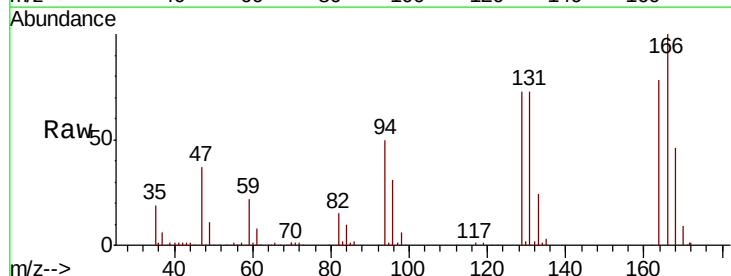
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

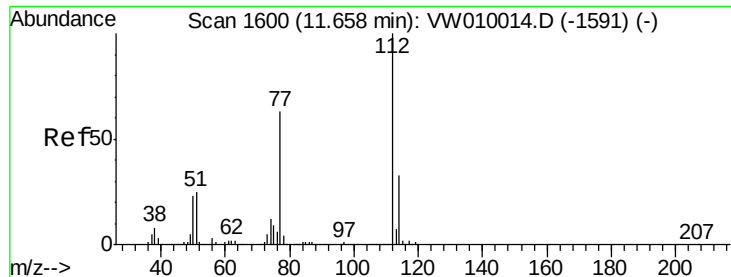
Tgt Ion:117 Resp: 628441
Ion Ratio Lower Upper
117 100
82 58.2 45.2 67.8
119 32.2 25.4 38.2



#64
Tetrachloroethene
Concen: 18.747 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion:164 Resp: 76481
Ion Ratio Lower Upper
164 100
166 127.4 101.2 151.8
129 92.9 77.8 116.6
131 93.6 73.1 109.7

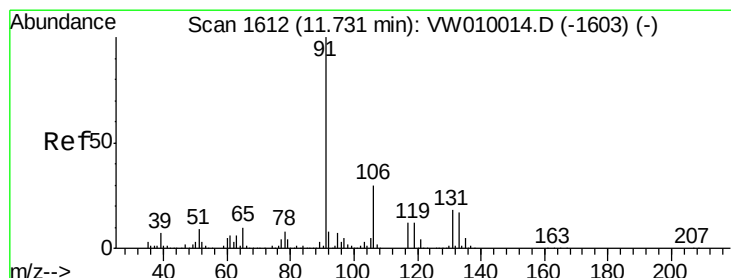
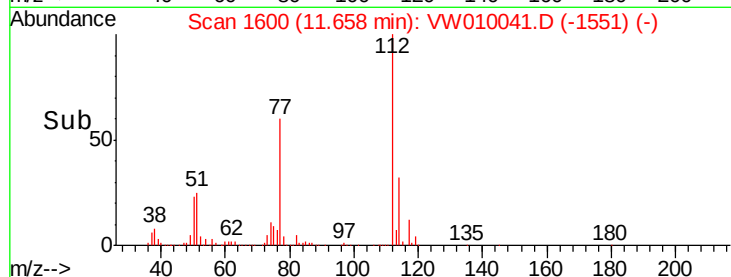
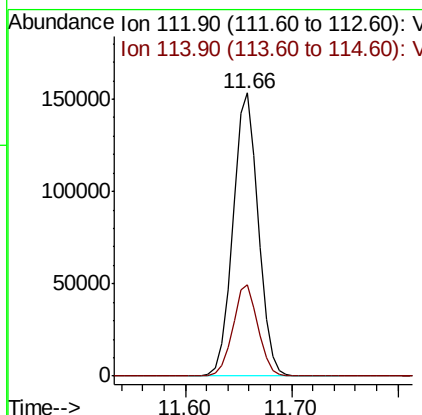
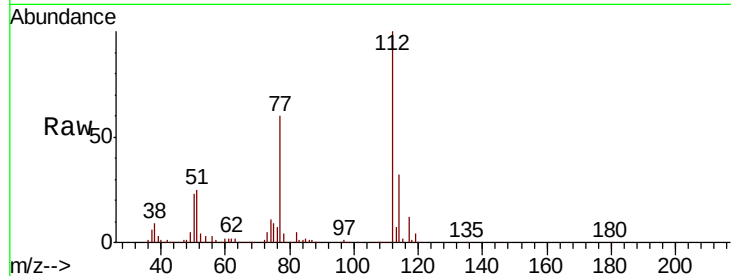




#65
Chlorobenzene
Concen: 19.818 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

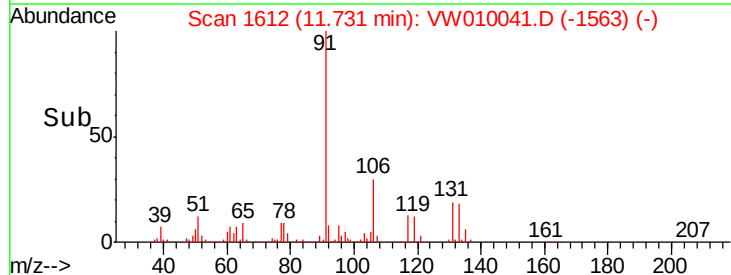
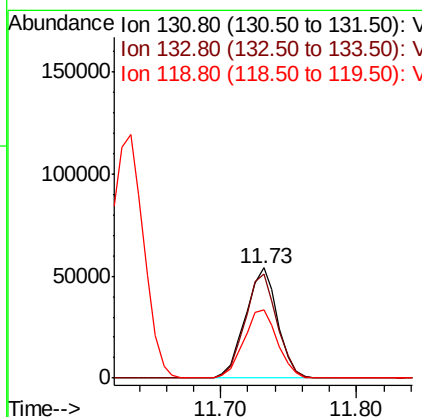
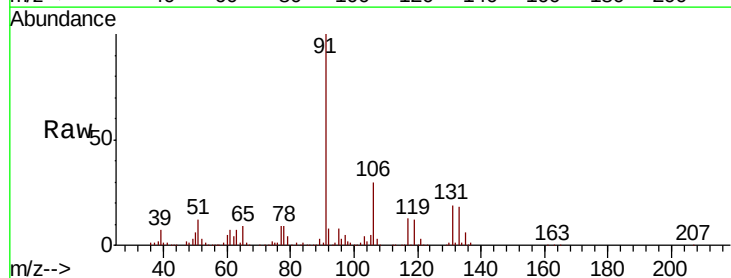
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

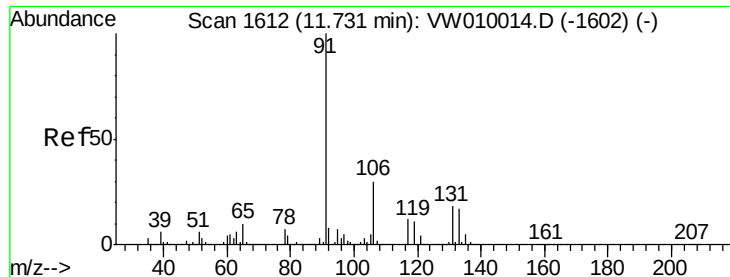
Tgt Ion:112 Resp: 254912
Ion Ratio Lower Upper
112 100
114 32.2 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.428 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion:131 Resp: 89366
Ion Ratio Lower Upper
131 100
133 94.7 46.5 139.5
119 64.8 31.9 95.5

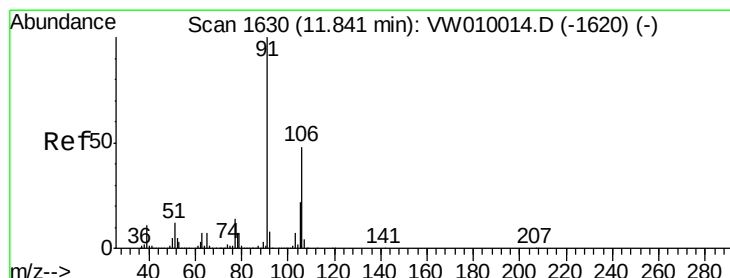
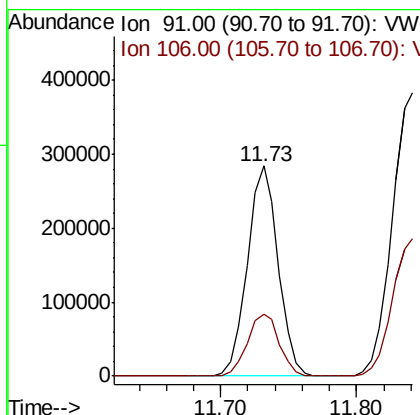
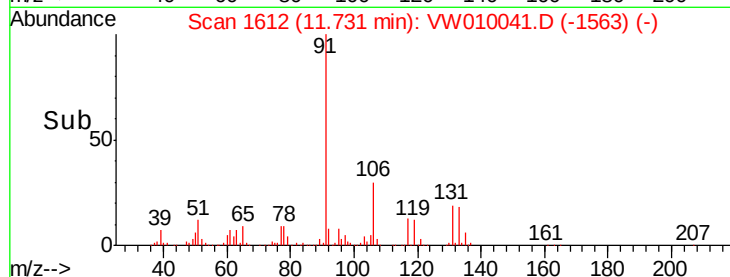
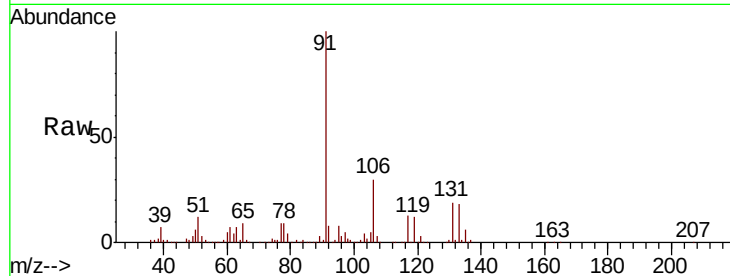




#67
Ethyl Benzene
Concen: 19.590 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

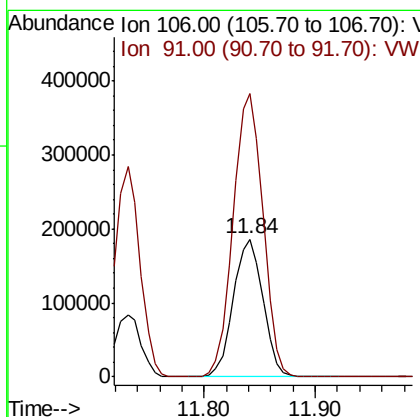
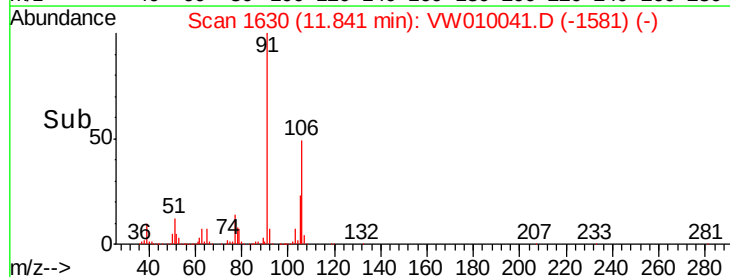
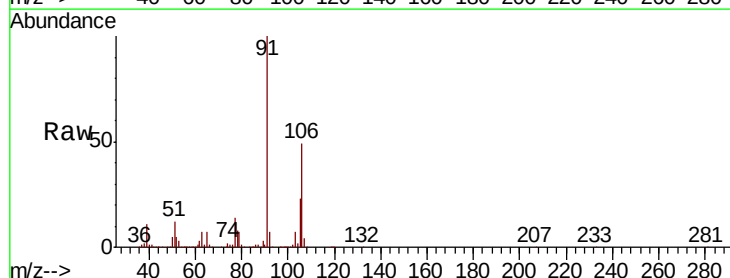
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

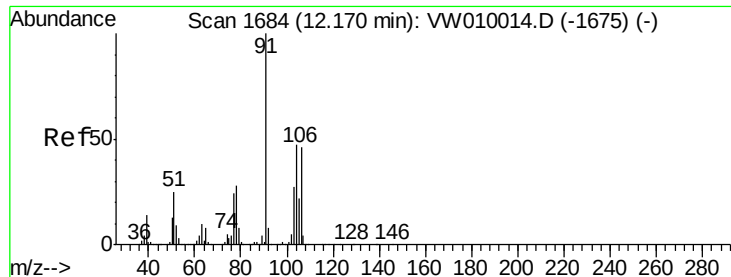
Tgt Ion: 91 Resp: 449563
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.8



#68
m/p-Xylenes
Concen: 39.890 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 106 Resp: 342192
Ion Ratio Lower Upper
106 100
91 207.1 165.0 247.6

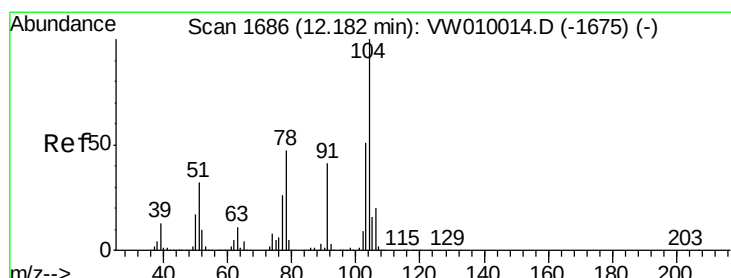
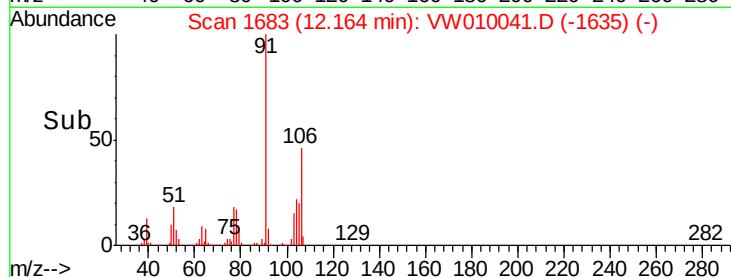
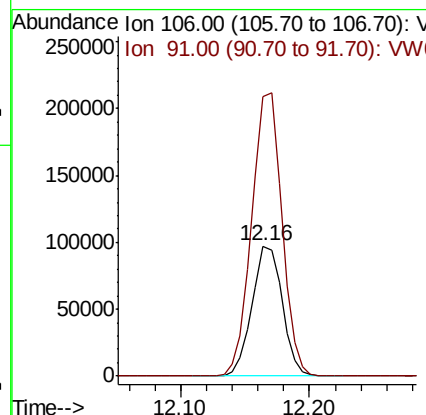
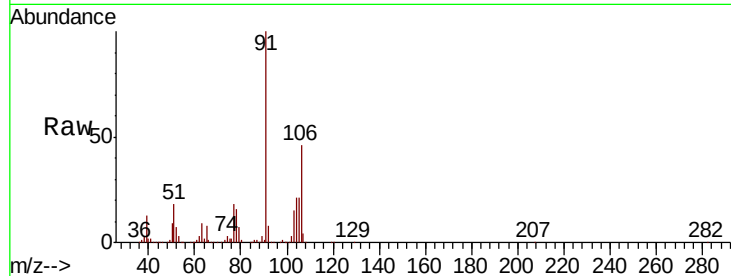




#69
o-Xylene
Concen: 20.140 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

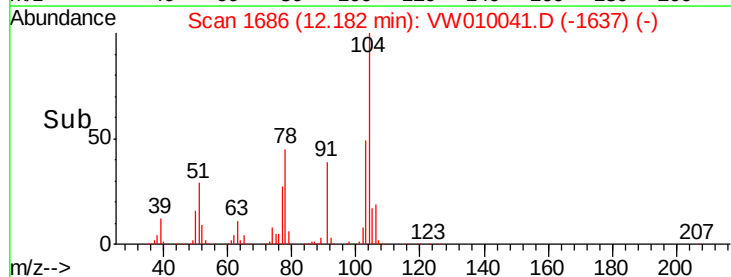
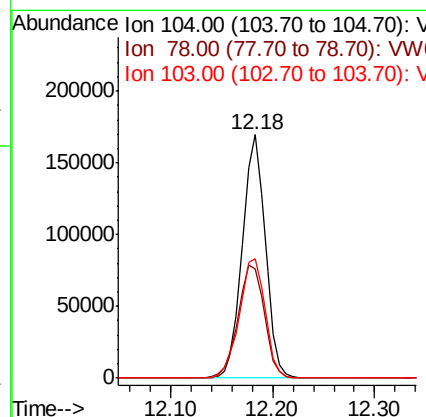
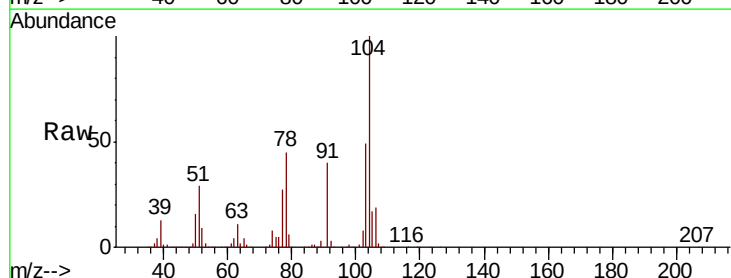
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

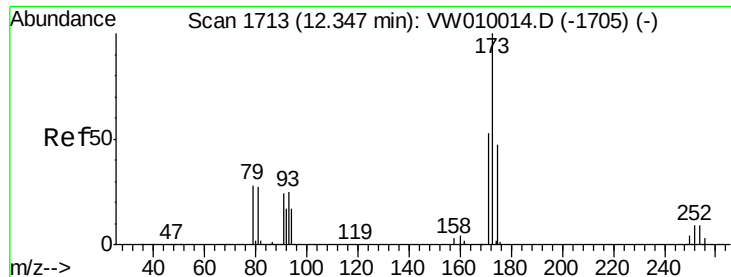
Tgt Ion:106 Resp: 157309
Ion Ratio Lower Upper
106 100
91 218.0 110.5 331.4



#70
Styrene
Concen: 19.651 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion:104 Resp: 264653
Ion Ratio Lower Upper
104 100
78 53.2 42.5 63.7
103 55.0 43.6 65.4





#71

Bromoform

Concen: 19.039 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

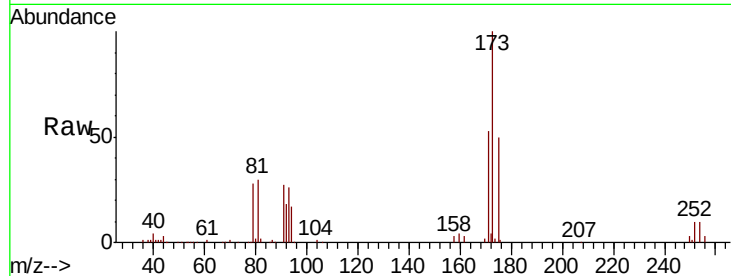
Tgt Ion:173 Resp: 46308

Ion Ratio Lower Upper

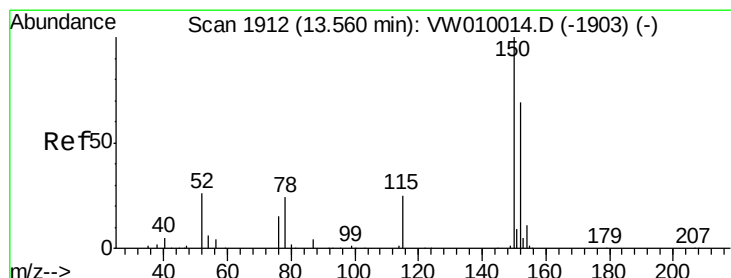
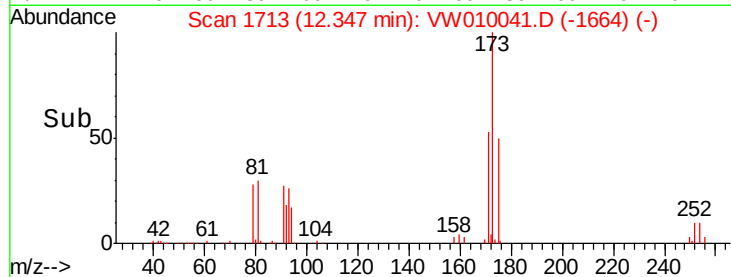
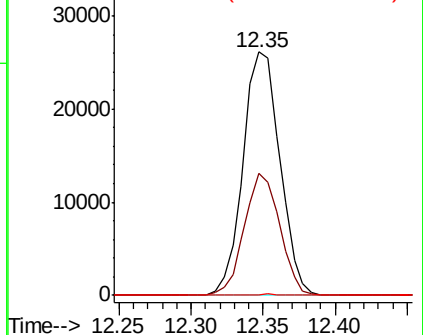
173 100

175 48.2 23.8 71.4

254 0.2 0.1 0.1#



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: VW010041.D

Acq: 18 Apr 2019 13:22

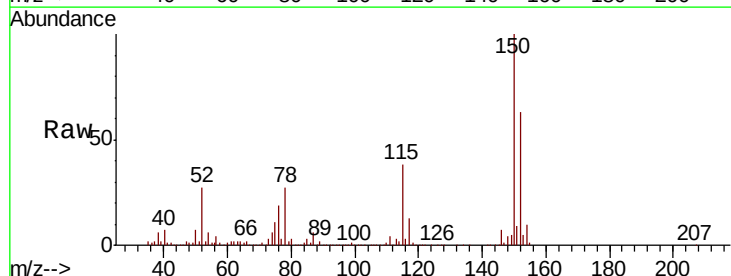
Tgt Ion:152 Resp: 326758

Ion Ratio Lower Upper

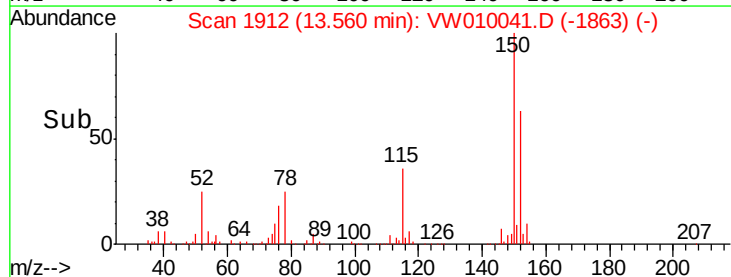
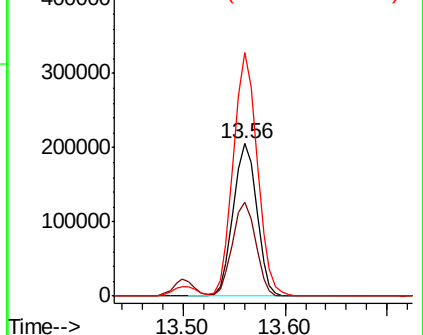
152 100

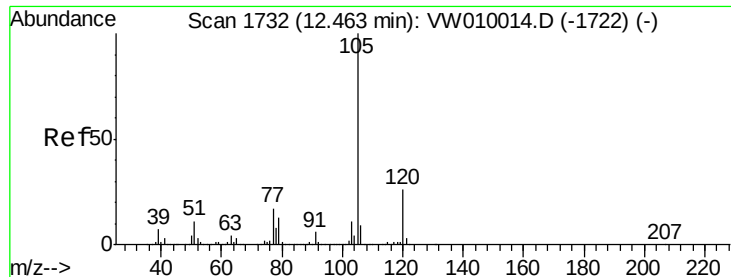
115 61.2 30.4 91.2

150 162.9 0.0 347.0



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





#73

Isopropylbenzene

Concen: 19.371 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

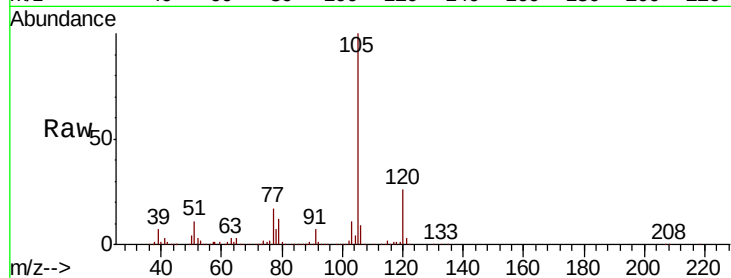
VW0418SBS01

Tgt Ion: 105 Resp: 440527

Ion Ratio Lower Upper

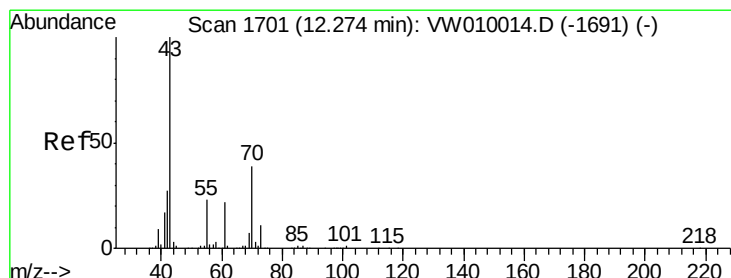
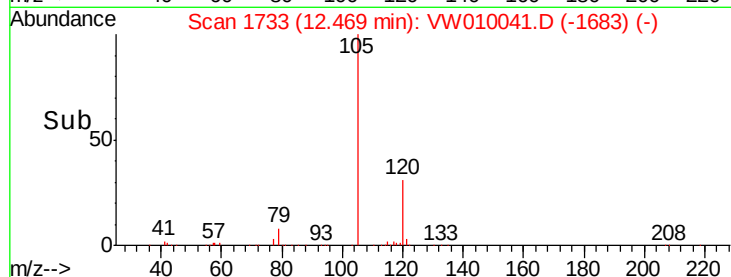
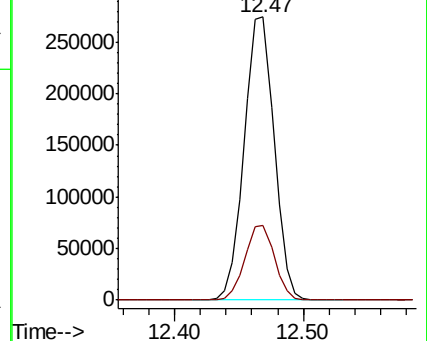
105 100

120 26.2 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.900 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Tgt Ion: 43 Resp: 125330

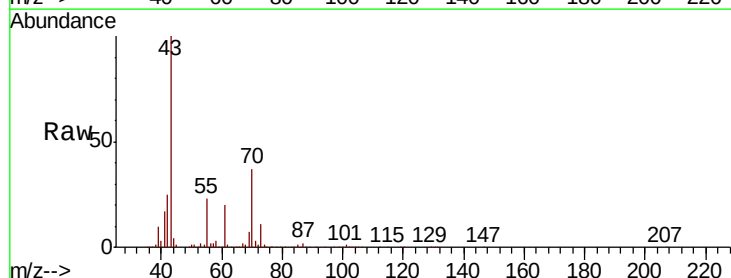
Ion Ratio Lower Upper

43 100

70 39.1 31.3 46.9

55 24.6 20.0 30.0

61 21.3 17.8 26.8

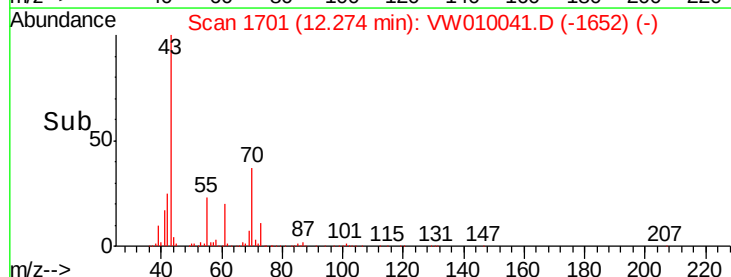
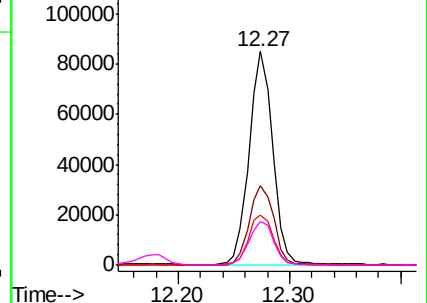


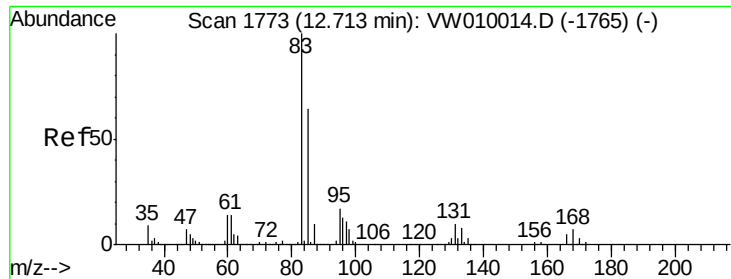
Abundance Ion 43.00 (42.70 to 43.70): VV

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: 19.619 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

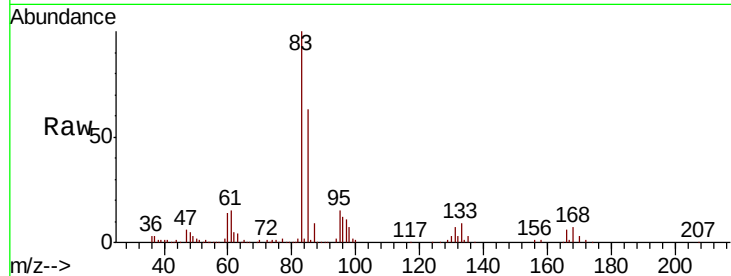
Tgt Ion: 83 Resp: 88148

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

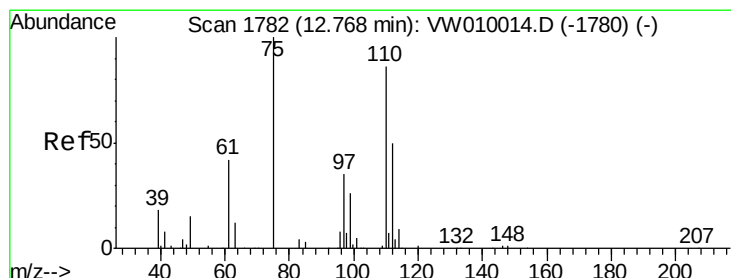
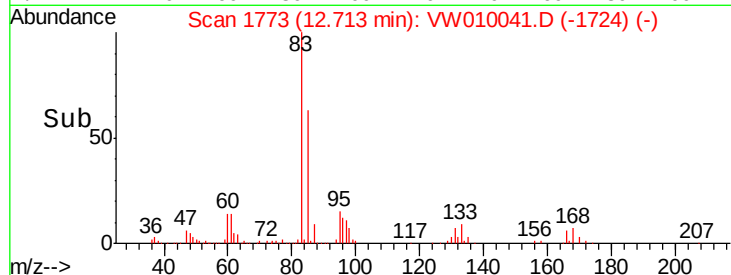
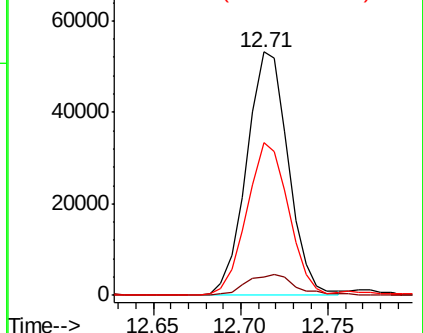
85 63.2 32.0 96.2



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: 35.298 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW010041.D

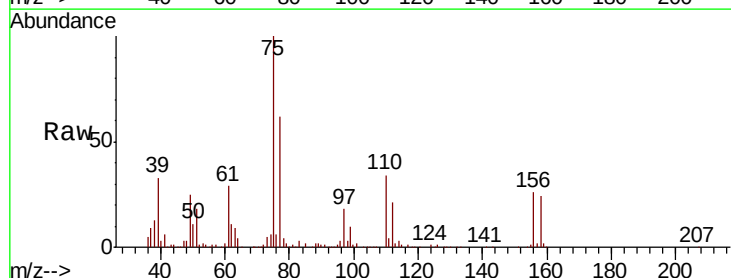
Acq: 18 Apr 2019 13:22

Tgt Ion: 75 Resp: 115438

Ion Ratio Lower Upper

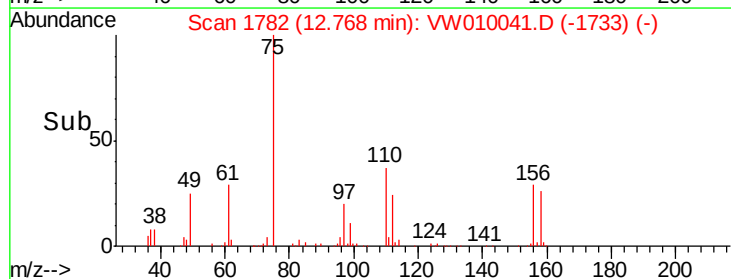
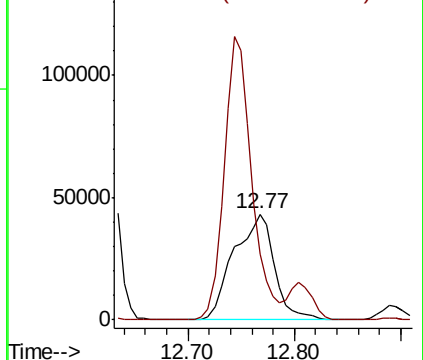
75 100

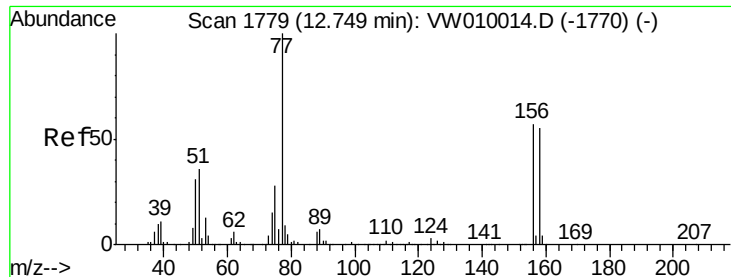
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

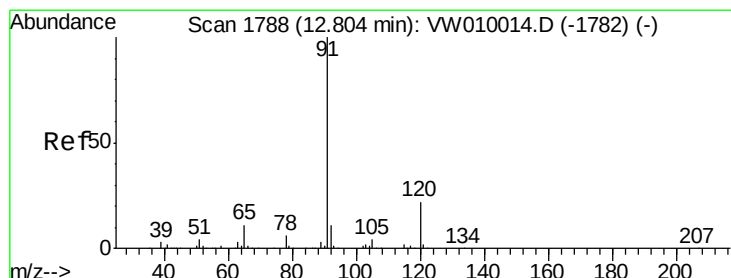
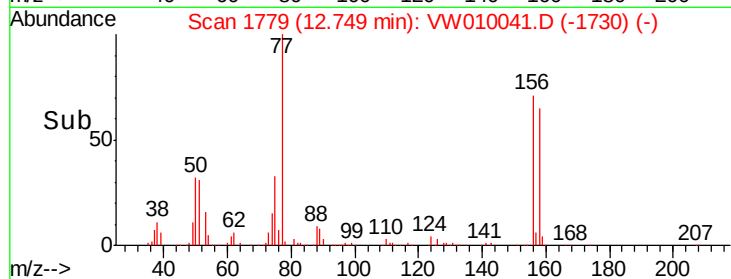
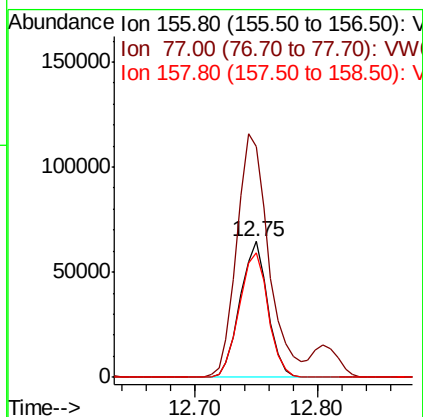
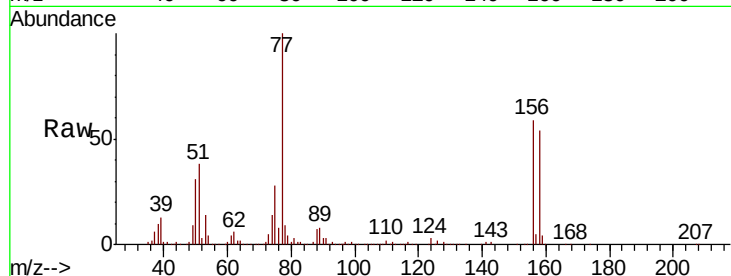




#77
Bromobenzene
Concen: 19.324 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

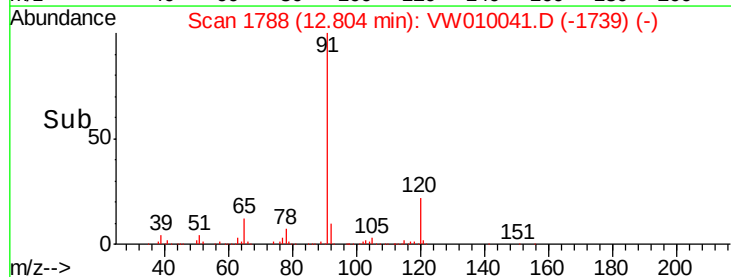
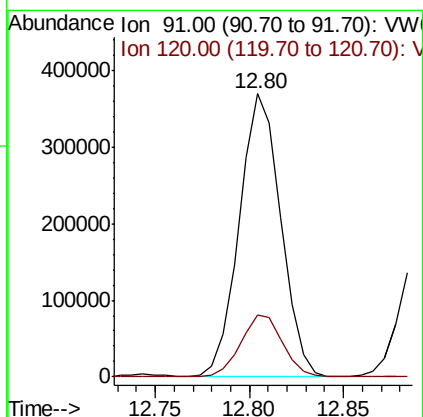
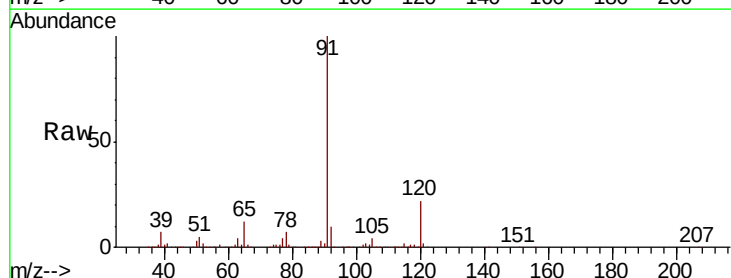
Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

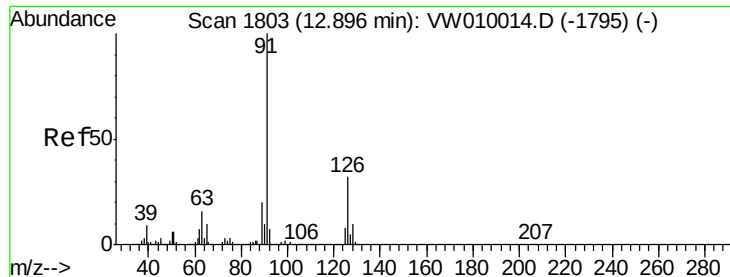
Tgt Ion:156 Resp: 101069
Ion Ratio Lower Upper
156 100
77 206.5 102.5 307.4
158 95.9 48.8 146.4



#78
n-propylbenzene
Concen: 19.986 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion: 91 Resp: 563318
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.1





#79

2-Chlorotoluene

Concen: 19.606 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

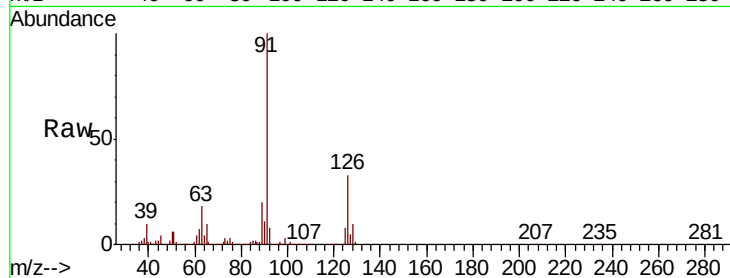
VW0418SBS01

Tgt Ion: 91 Resp: 317819

Ion Ratio Lower Upper

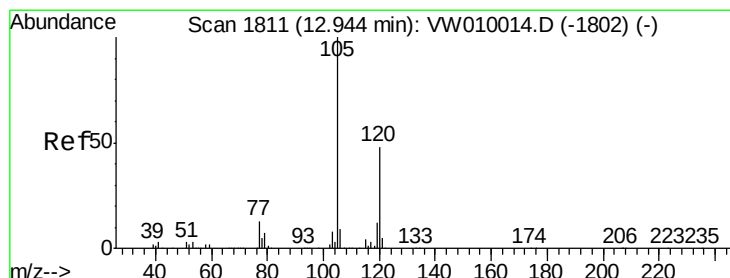
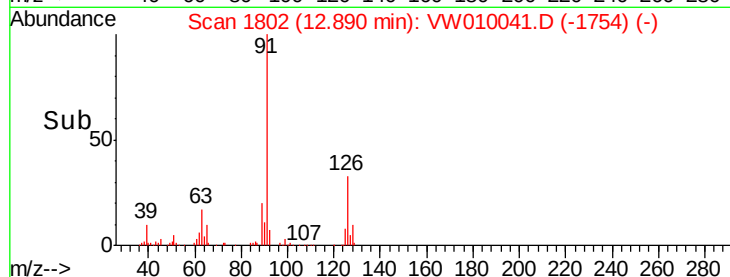
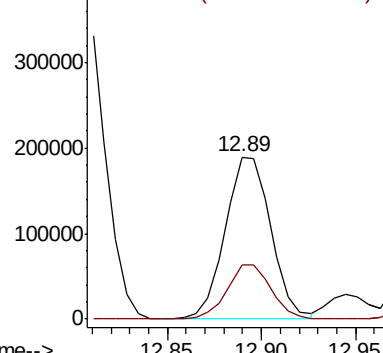
91 100

126 32.3 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.754 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010041.D

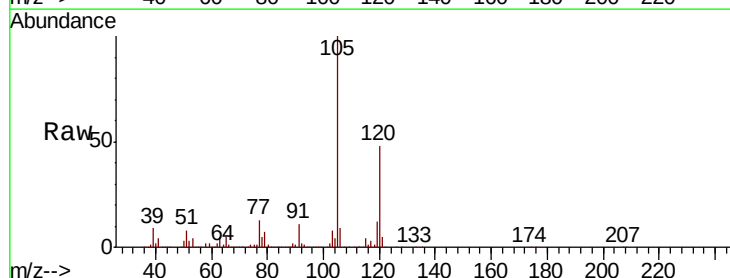
Acq: 18 Apr 2019 13:22

Tgt Ion: 105 Resp: 380906

Ion Ratio Lower Upper

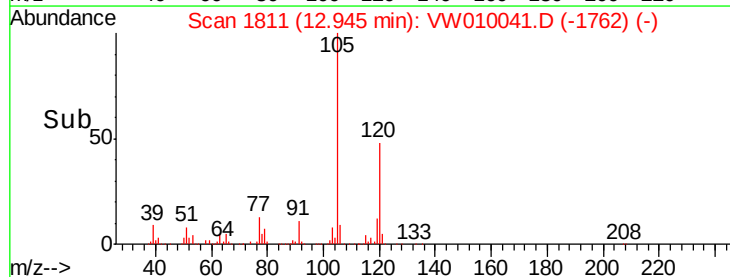
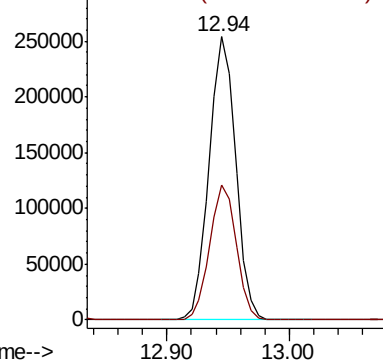
105 100

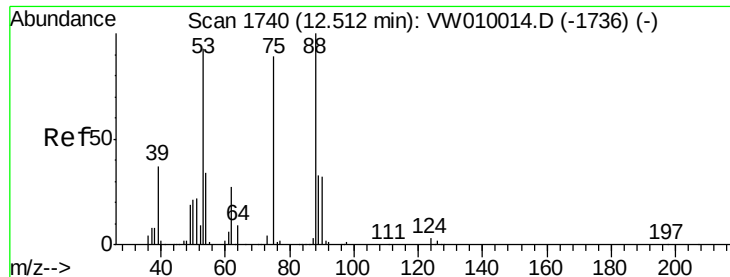
120 47.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.711 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

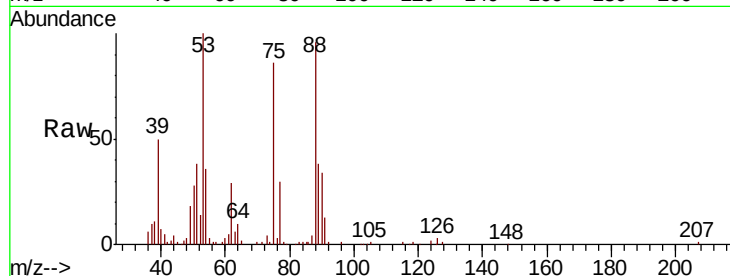
Tgt Ion: 75 Resp: 25951

Ion Ratio Lower Upper

75 100

53 116.1 89.8 134.8

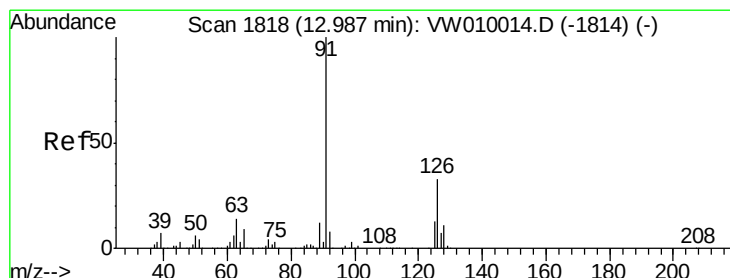
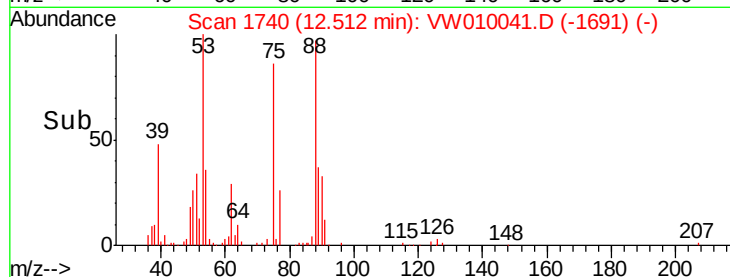
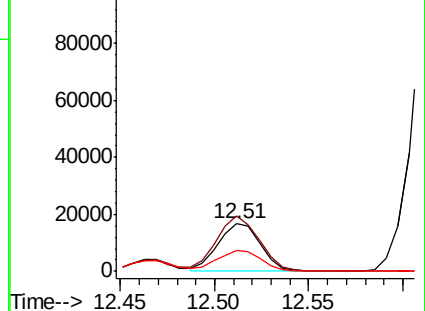
89 45.5 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 19.813 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VW010041.D

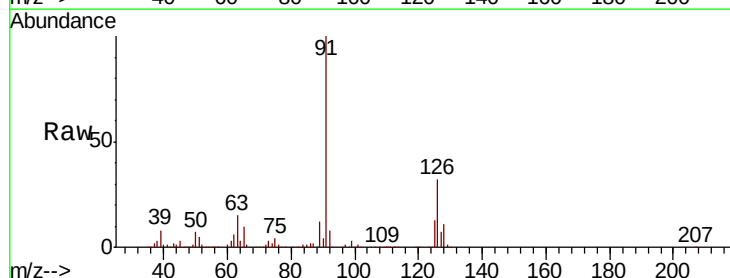
Acq: 18 Apr 2019 13:22

Tgt Ion: 91 Resp: 338027

Ion Ratio Lower Upper

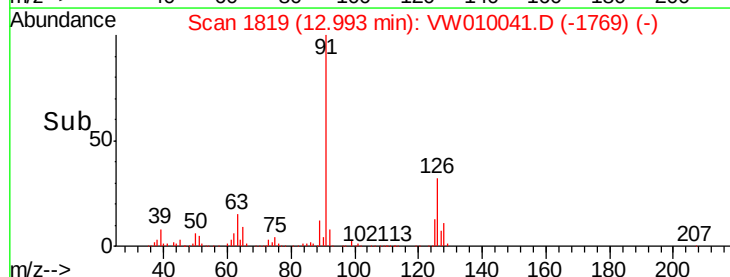
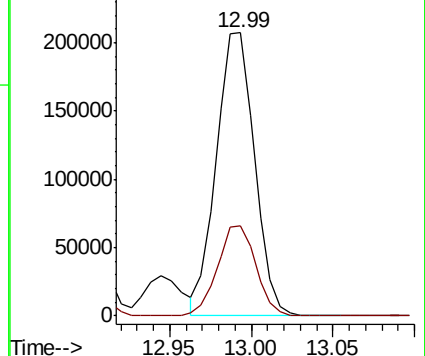
91 100

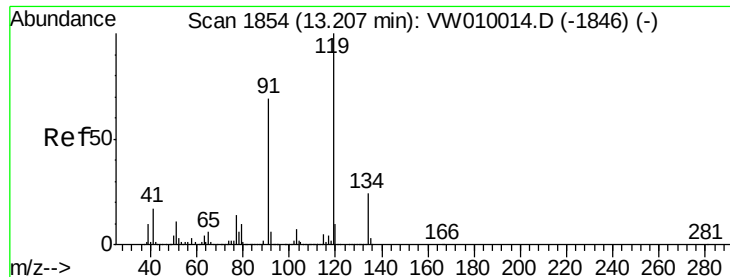
126 32.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 19.841 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

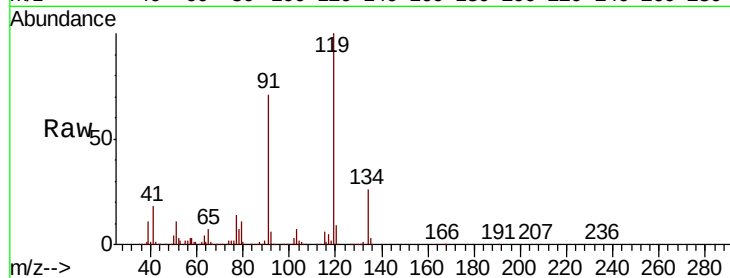
Tgt Ion:119 Resp: 316819

Ion Ratio Lower Upper

119 100

91 70.3 34.8 104.4

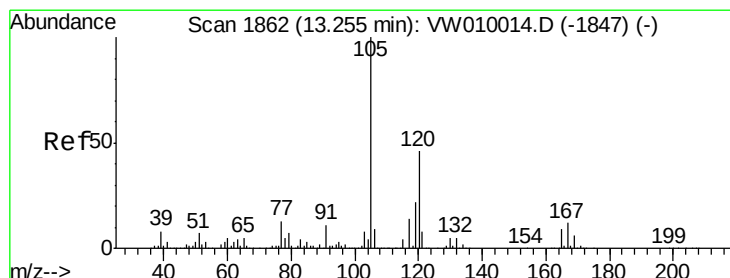
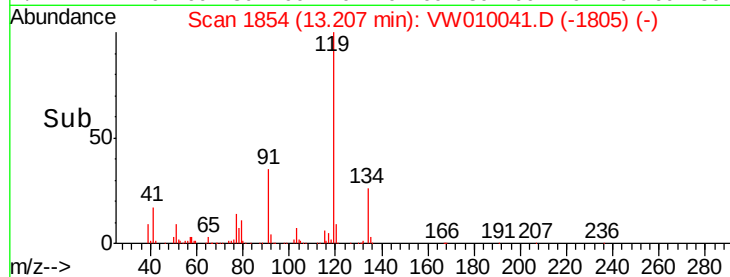
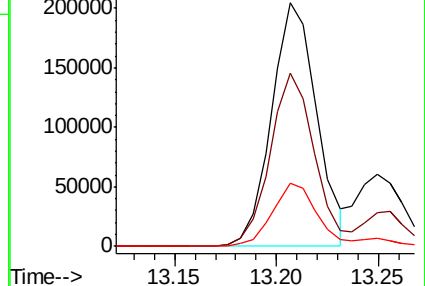
134 25.5 13.7 41.1



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: 19.892 ug/l

RT: 13.26 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VW010041.D

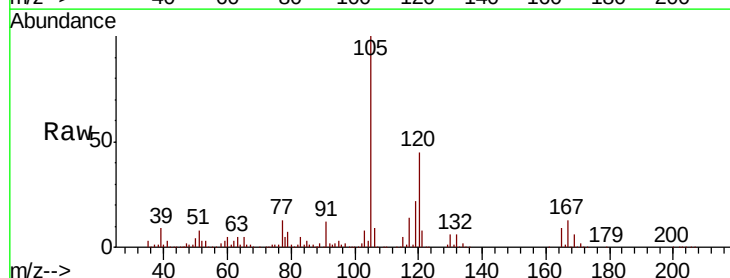
Acq: 18 Apr 2019 13:22

Tgt Ion:105 Resp: 388885

Ion Ratio Lower Upper

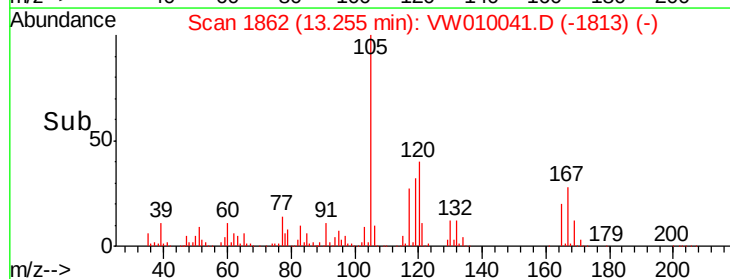
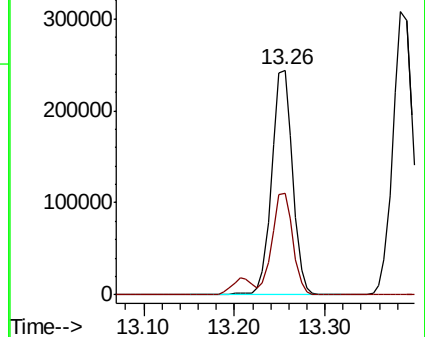
105 100

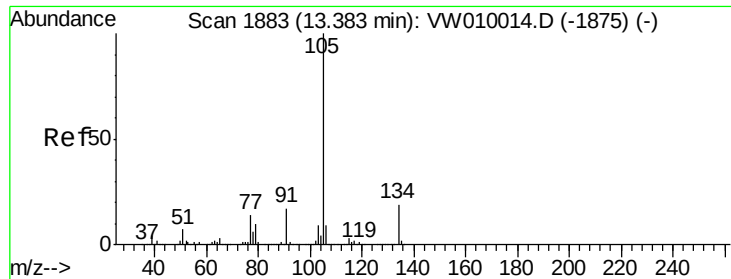
120 44.9 22.6 67.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.986 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

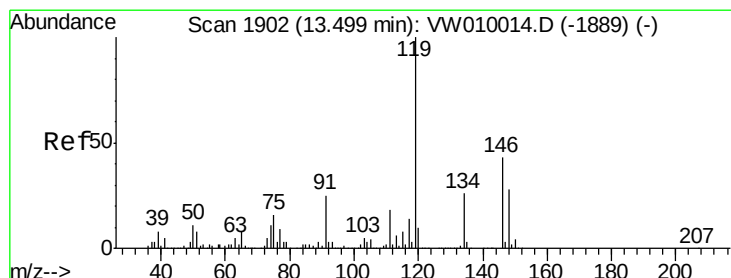
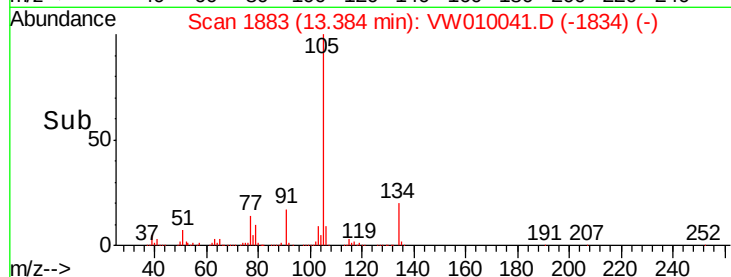
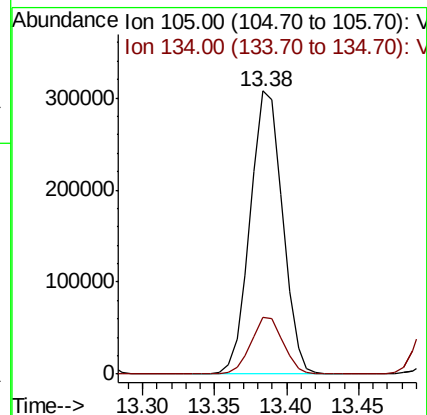
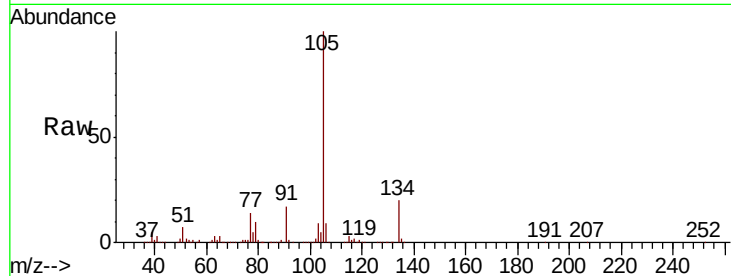
VW0418SBS01

Tgt Ion:105 Resp: 476917

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.5



#86

p-Isopropyltoluene

Concen: 19.572 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

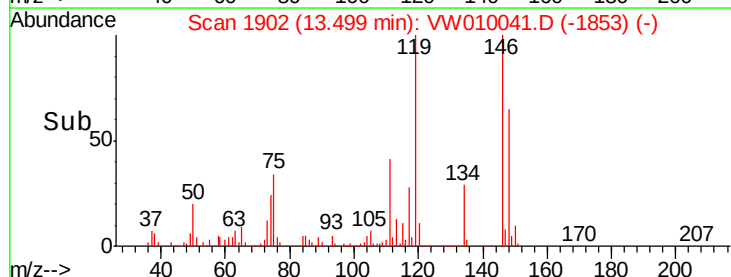
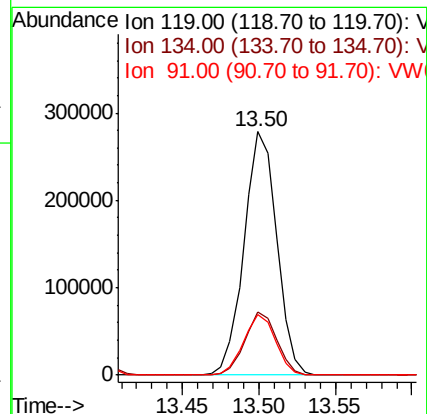
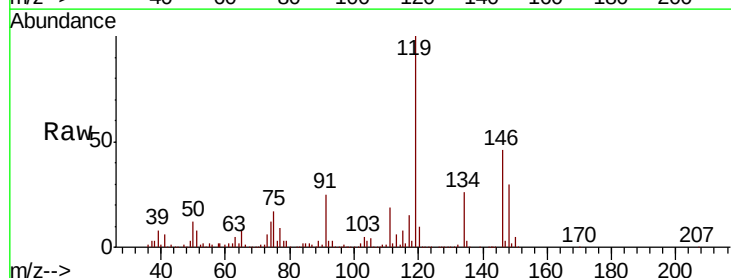
Tgt Ion:119 Resp: 411636

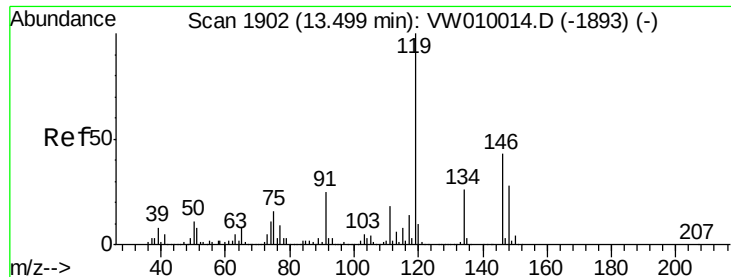
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 24.6 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 19.798 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

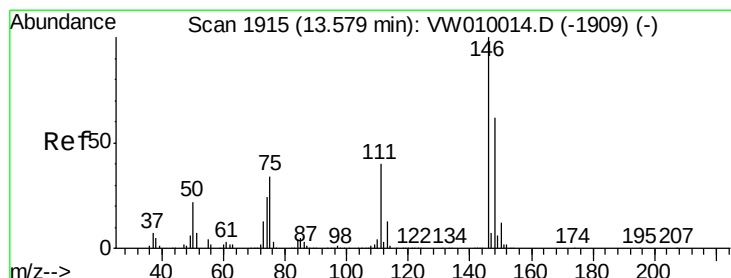
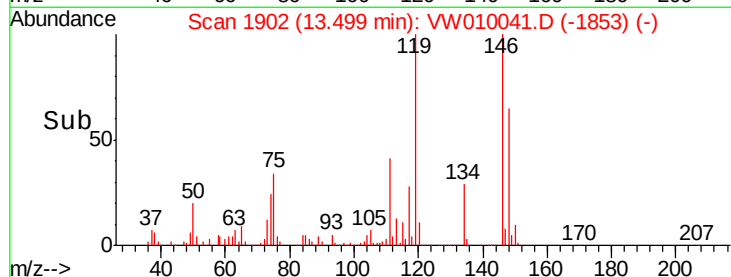
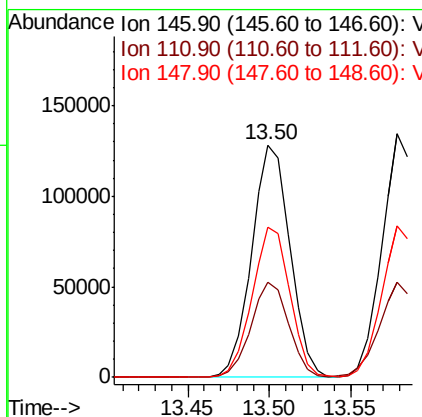
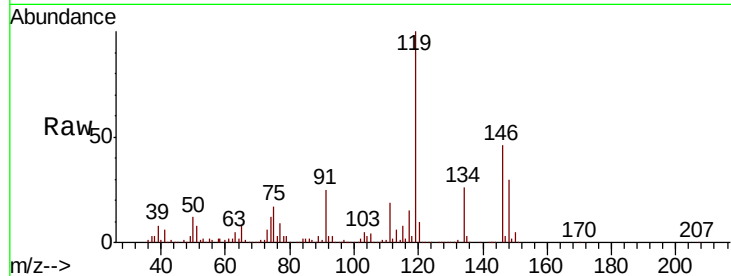
Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tgt Ion:146 Resp: 209323

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.3	61.0
148	63.8	32.0	96.2



#88

1,4-Dichlorobenzene

Concen: 20.084 ug/l

RT: 13.58 min Scan# 1915

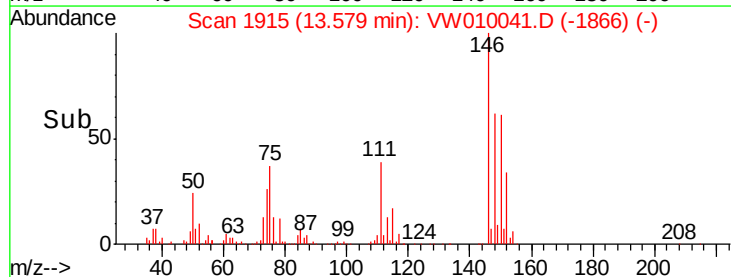
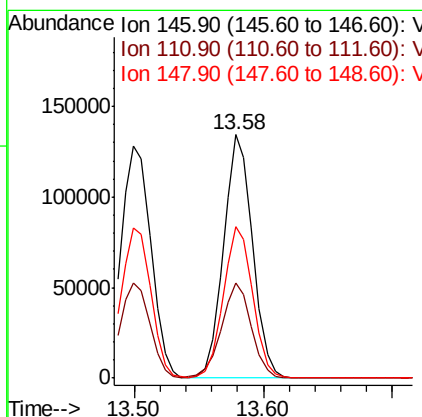
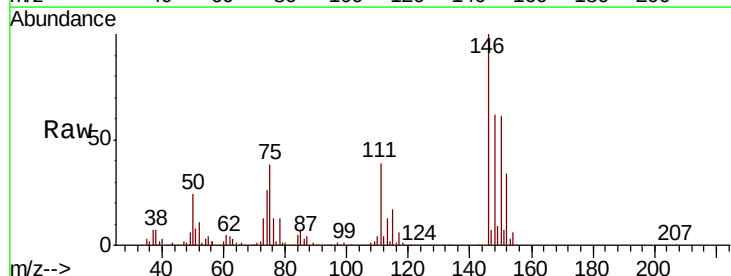
Delta R.T. 0.00 min

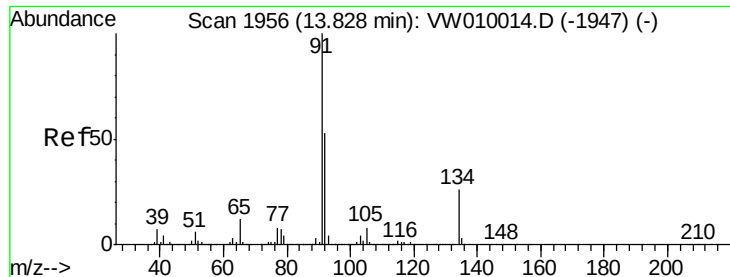
Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Tgt Ion:146 Resp: 211948

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.1	60.3
148	62.9	31.8	95.3





#89

n-Butylbenzene

Concen: 19.593 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010041.D

Acq: 18 Apr 2019 13:22

Instrument :

MSVOA_W

ClientSampleId :

VW0418SBS01

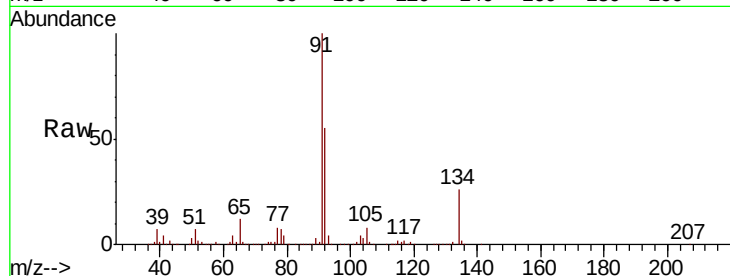
Tgt Ion: 91 Resp: 408262

Ion Ratio Lower Upper

91 100

92 53.5 26.5 79.4

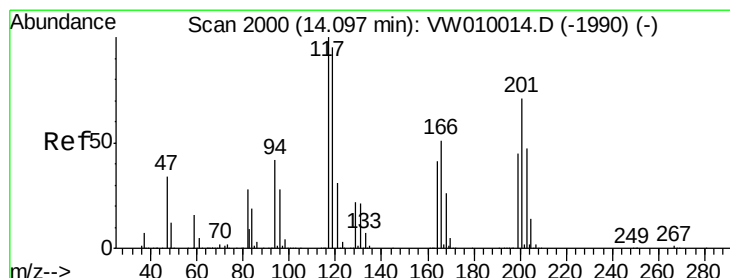
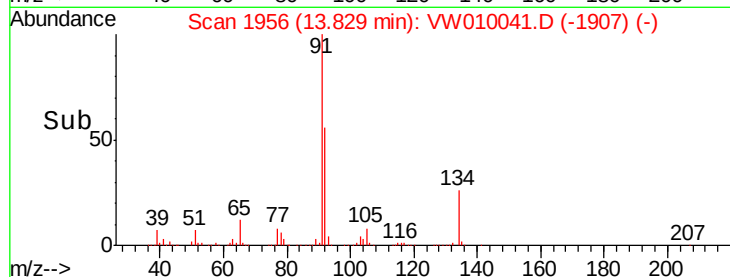
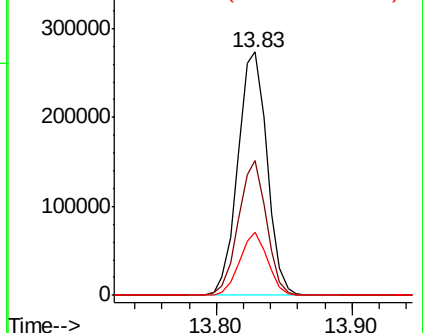
134 24.9 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 19.189 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010041.D

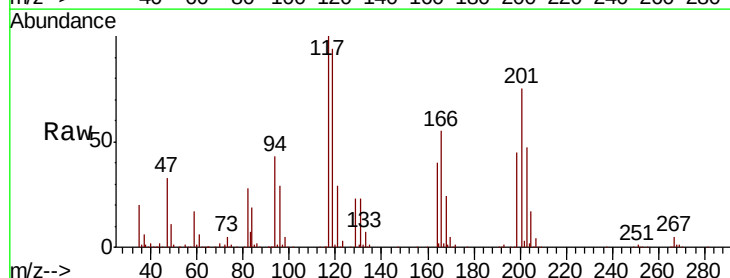
Acq: 18 Apr 2019 13:22

Tgt Ion: 117 Resp: 77301

Ion Ratio Lower Upper

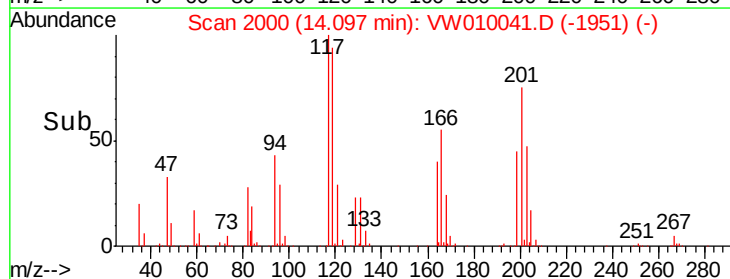
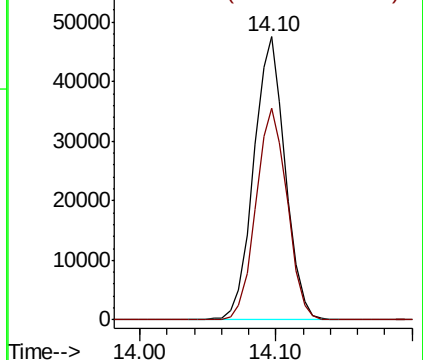
117 100

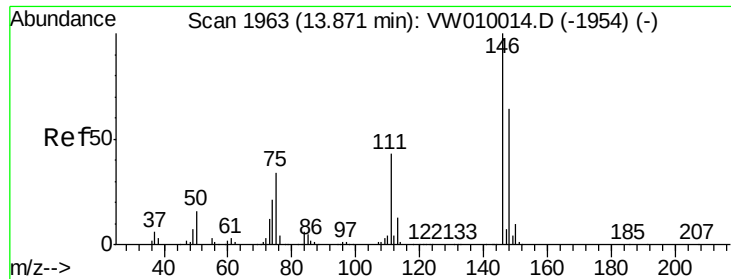
201 74.2 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

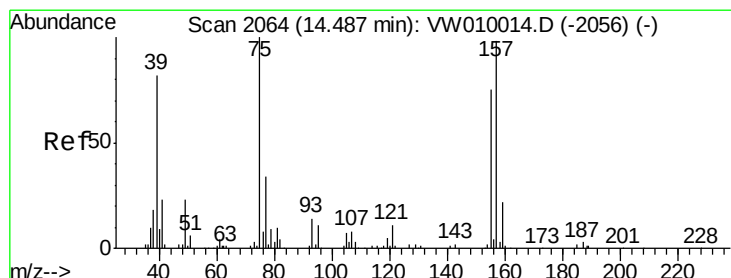
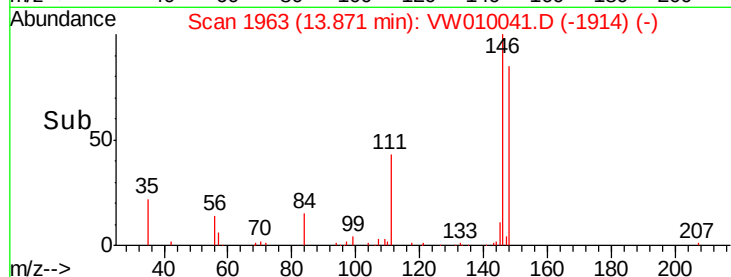
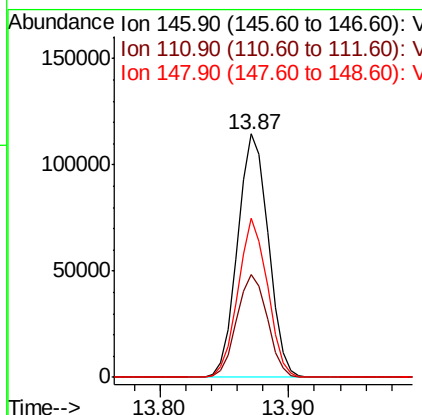
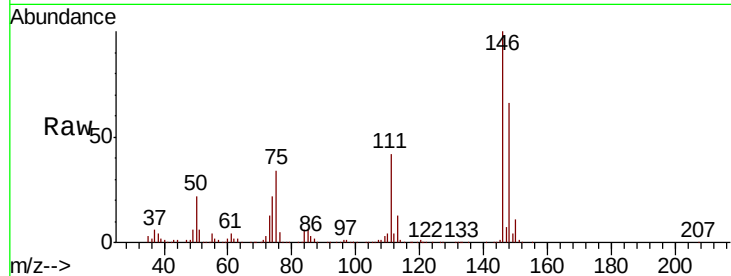




#91
 1,2-Dichlorobenzene
 Concen: 19.933 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

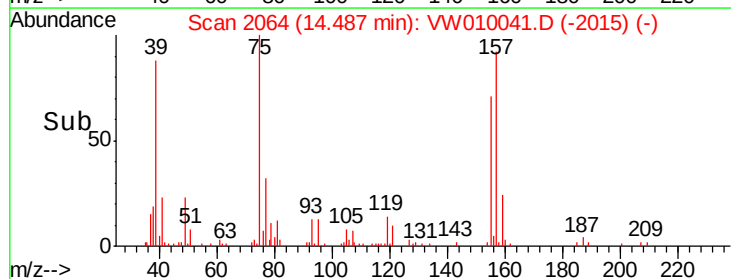
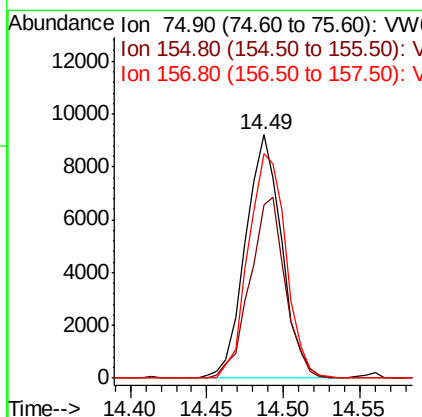
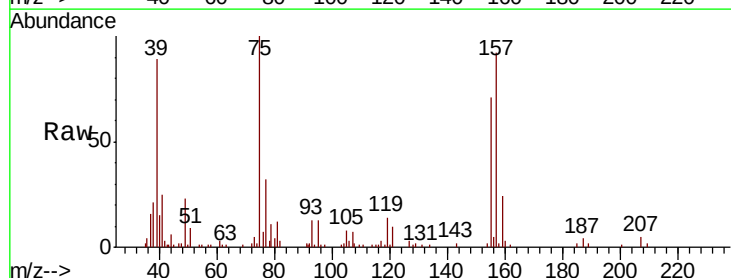
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

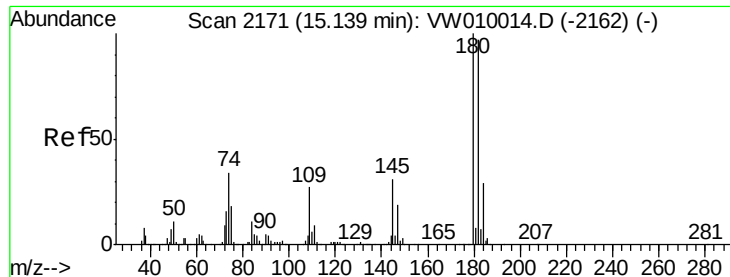
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.9	62.8
148	63.1	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.849 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.7	37.1	111.5
157	95.6	47.3	141.9

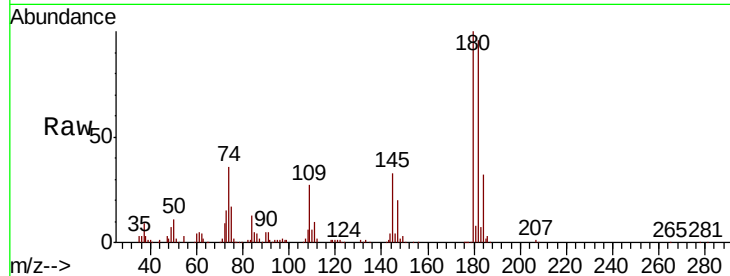




#93
 1,2,4-Trichlorobenzene
 Concen: 19.515 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0418SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.1	141.4
145	31.6	15.2	45.6

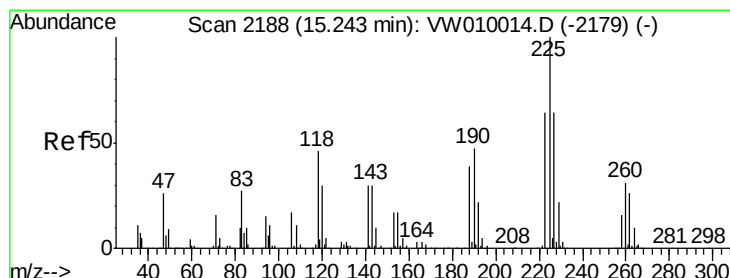
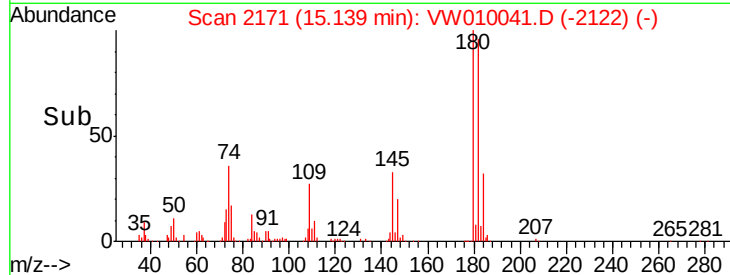
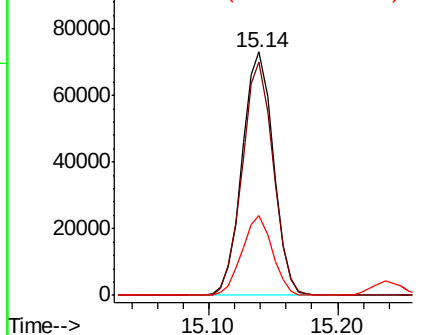


Abundance

Ion 179.80 (179.50 to 180.50): V

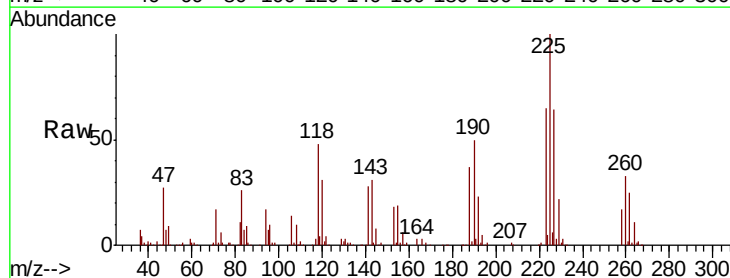
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.293 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW010041.D
 Acq: 18 Apr 2019 13:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.5
227	62.5	31.8	95.3

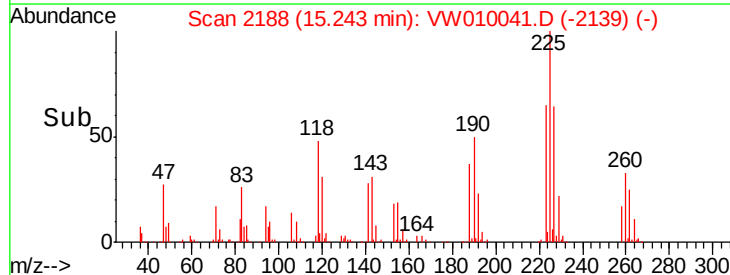
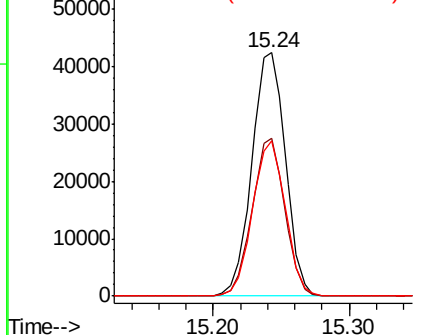


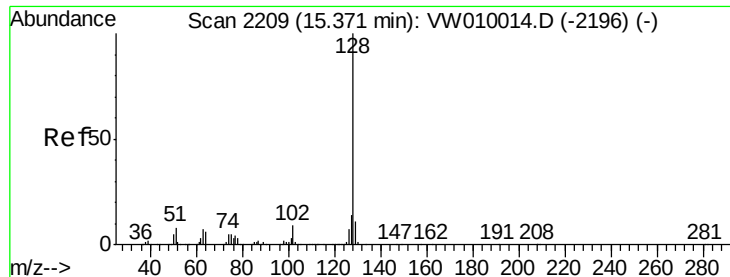
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

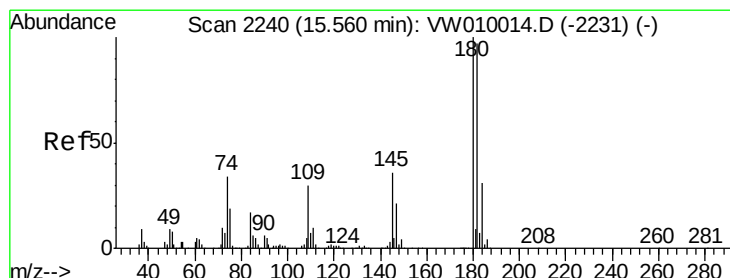
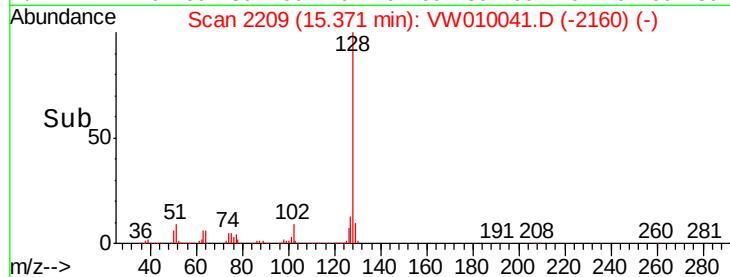
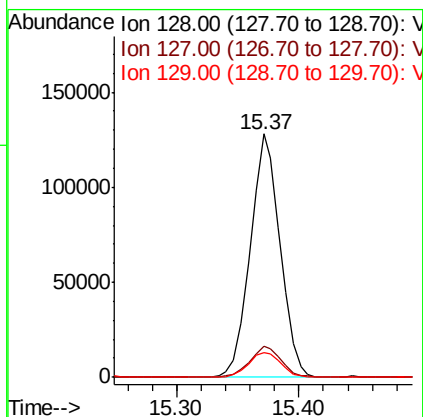
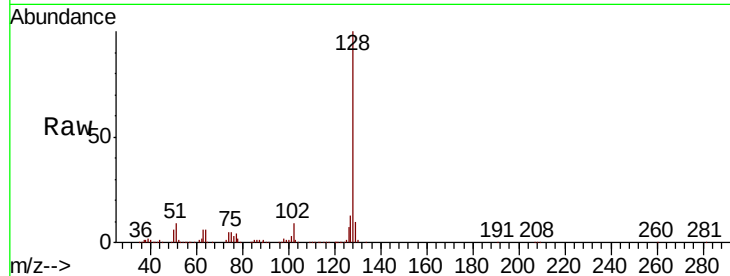




#95
Naphthalene
Concen: 19.236 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Instrument :
MSVOA_W
ClientSampleId :
VW0418SBS01

Tgt Ion:128 Resp: 217549
Ion Ratio Lower Upper
128 100
127 13.4 10.6 15.8
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.870 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010041.D
Acq: 18 Apr 2019 13:22

Tgt Ion:180 Resp: 107816
Ion Ratio Lower Upper
180 100
182 96.1 47.8 143.3
145 32.6 16.4 49.2

