

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
 Data File : VW010022.D
 Acq On : 17 Apr 2019 18:02
 Operator : SY/VA
 Sample : VW0417SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

Quant Time: Apr 18 02:46:40 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	396988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	649472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	591215	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	301642	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	257016	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
35) Dibromofluoromethane	7.88	113	205577	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
50) Toluene-d8	10.32	98	808273	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.62	95	293162	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	54103	17.874	ug/l	94
3) Chloromethane	2.21	50	56729	18.741	ug/l	98
4) Vinyl Chloride	2.37	62	65905	18.730	ug/l	99
5) Bromomethane	2.77	94	45062	19.057	ug/l	96
6) Chloroethane	2.92	64	45354	19.727	ug/l	99
7) Trichlorofluoromethane	3.25	101	41757	17.164	ug/l	99
8) Diethyl Ether	3.67	74	39121	19.332	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.04	101	76693	18.735	ug/l	97
10) Methyl Iodide	4.26	142	106226	18.777	ug/l	98
11) Tert butyl alcohol	5.17	59	31089	111.409	ug/l	96
12) 1,1-Dichloroethene	4.03	96	73003	18.602	ug/l	97
13) Acrolein	3.89	56	26888	91.588	ug/l	94
14) Allyl chloride	4.65	41	121473	17.410	ug/l	97
15) Acrylonitrile	5.36	53	105860	101.649	ug/l	99
16) Acetone	4.12	43	102988	90.604	ug/l	98
17) Carbon Disulfide	4.37	76	194572	17.355	ug/l	97
18) Methyl Acetate	4.67	43	51886	19.723	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	107784	21.144	ug/l	98
20) Methylene Chloride	4.91	84	97997	19.551	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	80224	18.877	ug/l	98
22) Diisopropyl ether	6.31	45	283004	19.996	ug/l	97
23) Vinyl Acetate	6.25	43	936970	105.165	ug/l	99
24) 1,1-Dichloroethane	6.21	63	162721	19.233	ug/l	98
25) 2-Butanone	7.17	43	162386	108.753	ug/l	97
26) 2,2-Dichloropropane	7.16	77	86833	18.550	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	90020	19.260	ug/l	99
28) Bromochloromethane	7.51	49	72186	20.877	ug/l	99
29) Tetrahydrofuran	7.52	42	105419	111.423	ug/l	97
30) Chloroform	7.67	83	166286	19.614	ug/l	100
31) Cyclohexane	7.95	56	148958	18.801	ug/l #	93
32) 1,1,1-Trichloroethane	7.87	97	126979	19.079	ug/l	99
36) 1,1-Dichloropropene	8.07	75	124469	18.762	ug/l	99
37) Ethyl Acetate	7.25	43	74661	22.147	ug/l	97
38) Carbon Tetrachloride	8.06	117	121862	18.821	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	138640	17.960	ug/l	94
40) Benzene	8.32	78	347179	19.139	ug/l	100
41) Methacrylonitrile	7.48	41	41998	21.859	ug/l	98
42) 1,2-Dichloroethane	8.40	62	122739	19.689	ug/l	99
43) Isopropyl Acetate	8.42	43	135738	21.487	ug/l	96
44) Trichloroethene	9.09	130	86366	18.746	ug/l	98
45) 1,2-Dichloropropane	9.37	63	91685	19.229	ug/l	98
46) Dibromomethane	9.46	93	48515	19.632	ug/l	98
47) Bromodichloromethane	9.64	83	121694	19.076	ug/l	97
48) Methyl methacrylate	9.43	41	63286	20.580	ug/l	98
49) 1,4-Dioxane	9.45	88	15146	401.107	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	367270	111.003	ug/l	98
52) Toluene	10.38	92	218761	19.360	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	122143	19.312	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	136426	18.890	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	68039	19.726	ug/l	96
56) Ethyl methacrylate	10.65	69	87480	19.941	ug/l	99
57) 1,3-Dichloropropane	10.93	76	121125	19.592	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	221410	107.426	ug/l	100
59) 2-Hexanone	10.97	43	255472	110.921	ug/l	98
60) Dibromochloromethane	11.13	129	76553	19.203	ug/l	100
61) 1,2-Dibromoethane	11.23	107	64578	19.681	ug/l	98
64) Tetrachloroethene	10.86	164	75049	19.554	ug/l	98
65) Chlorobenzene	11.66	112	233267	19.277	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	85541	19.768	ug/l	98
67) Ethyl Benzene	11.73	91	418115	19.367	ug/l	96
68) m/p-Xylenes	11.84	106	315291	39.068	ug/l	99
69) o-Xylene	12.16	106	145263	19.768	ug/l	98
70) Styrene	12.18	104	242513	19.141	ug/l	98
71) Bromoform	12.35	173	44984	19.659	ug/l #	97
73) Isopropylbenzene	12.46	105	410404	19.549	ug/l	99
74) N-amyl acetate	12.27	43	123525	21.247	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	83963	20.243	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	115341	38.205	ug/l #	100
77) Bromobenzene	12.75	156	95254	19.729	ug/l	100
78) n-propylbenzene	12.80	91	517561	19.892	ug/l	99
79) 2-Chlorotoluene	12.90	91	294371	19.672	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	344517	19.355	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25981	20.292	ug/l	97
82) 4-Chlorotoluene	12.99	91	312690	19.854	ug/l	99
83) tert-Butylbenzene	13.21	119	291928	19.804	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	361266	20.018	ug/l	100
85) sec-Butylbenzene	13.38	105	439799	19.965	ug/l	99
86) p-Isopropyltoluene	13.50	119	381133	19.630	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	191880	19.660	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	192792	19.790	ug/l	98
89) n-Butylbenzene	13.83	91	376616	19.579	ug/l	99
90) Hexachloroethane	14.10	117	72067	19.380	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	174789	19.973	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	16204	21.831	ug/l	96

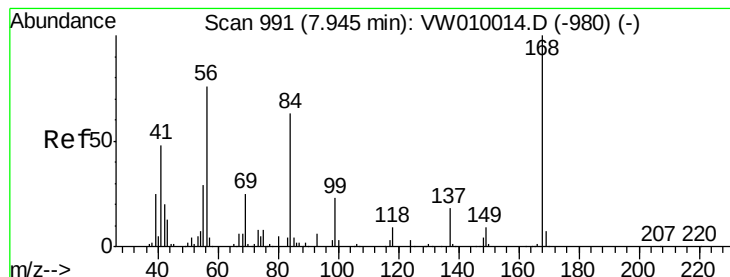
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW041719\
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Instrument :
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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Thu Apr 18 02:23:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	114886	19.899	ug/l	99
94) Hexachlorobutadiene	15.24	225	68835	19.634	ug/l	99
95) Naphthalene	15.37	128	216935	20.567	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	101586	20.281	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

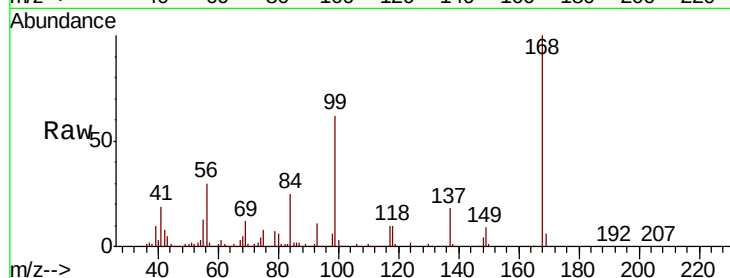
VW0417SBSD01

Tgt Ion:168 Resp: 396988

Ion Ratio Lower Upper

168 100

99 61.5 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

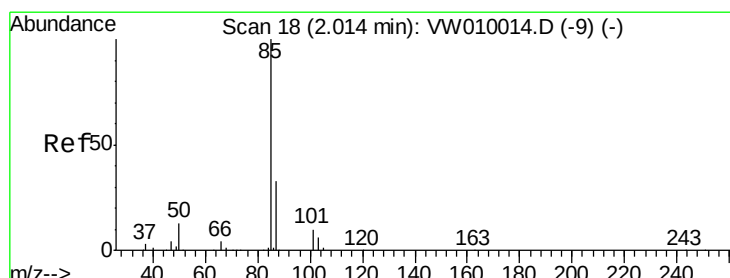
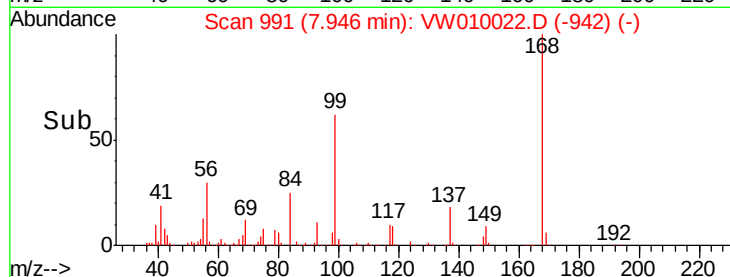
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 17.874 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW010022.D

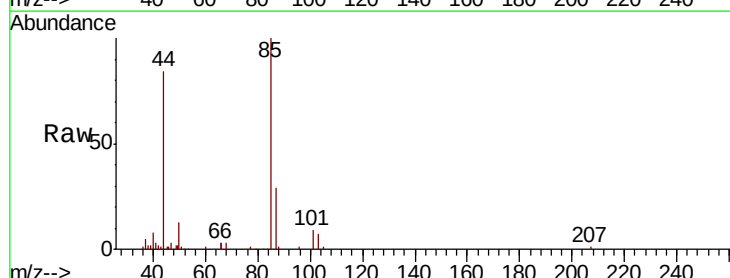
Acq: 17 Apr 2019 18:02

Tgt Ion: 85 Resp: 54103

Ion Ratio Lower Upper

85 100

87 29.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

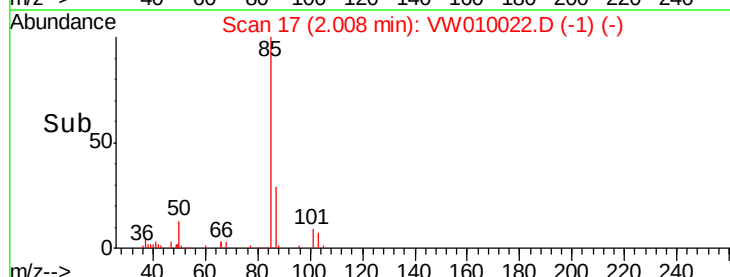
15000

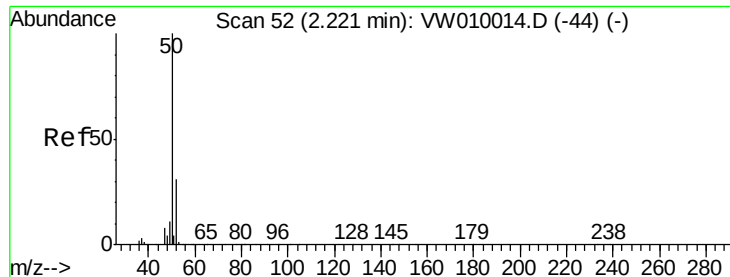
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.741 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

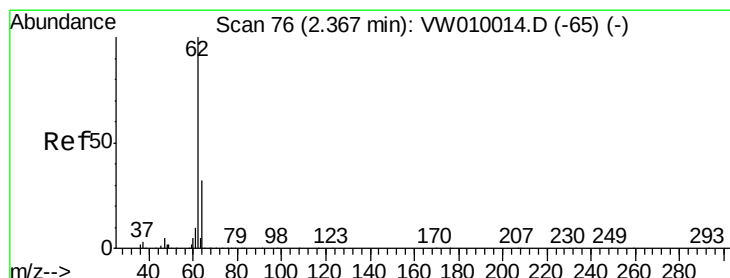
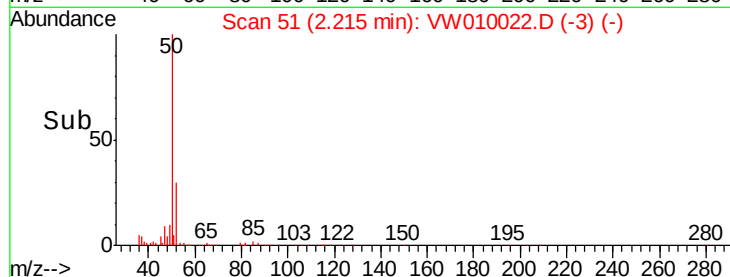
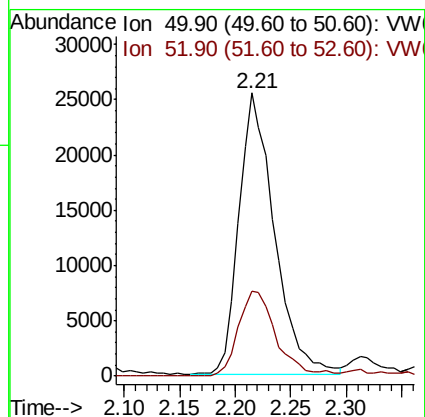
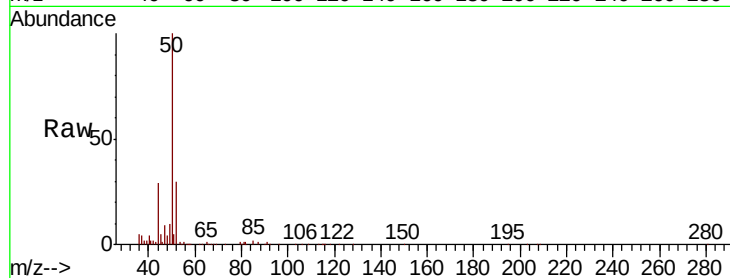
VW0417SBSD01

Tgt Ion: 50 Resp: 56729

Ion Ratio Lower Upper

50 100

52 30.1 25.0 37.6



#4

Vinyl Chloride

Concen: 18.730 ug/l

RT: 2.37 min Scan# 77

Delta R.T. 0.01 min

Lab File: VW010022.D

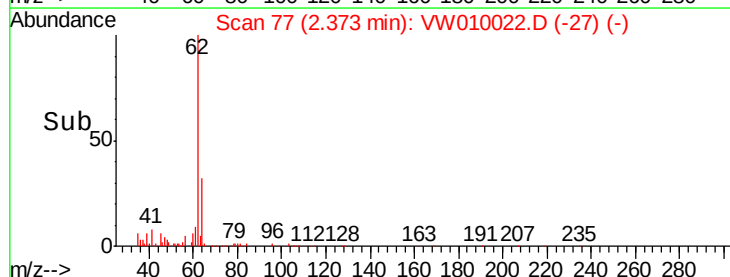
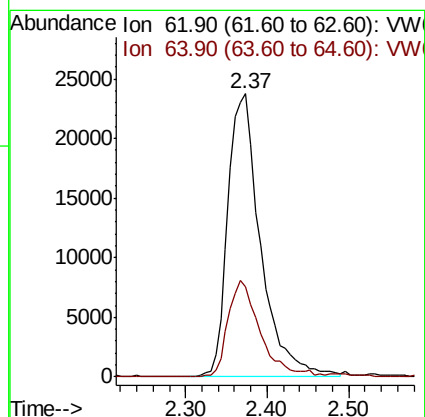
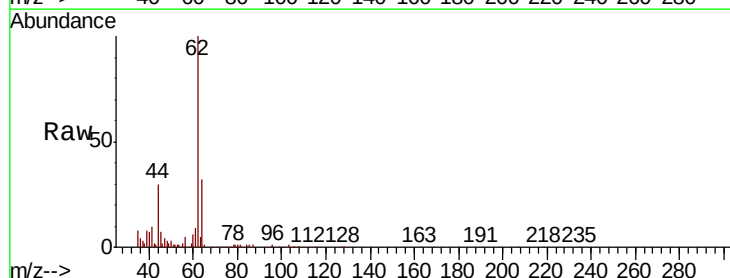
Acq: 17 Apr 2019 18:02

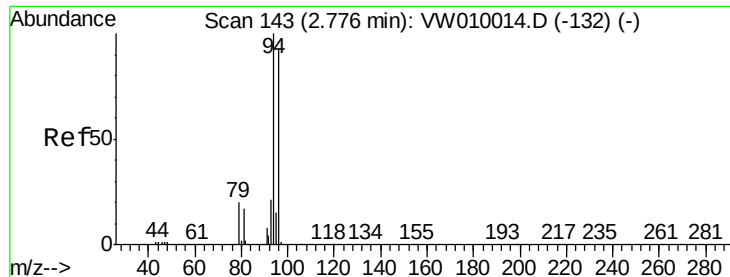
Tgt Ion: 62 Resp: 65905

Ion Ratio Lower Upper

62 100

64 32.0 25.9 38.9





#5

Bromomethane

Concen: 19.057 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

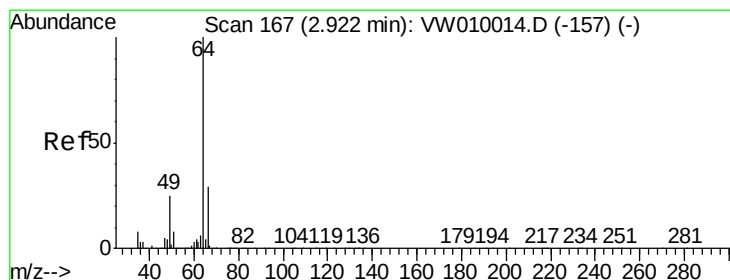
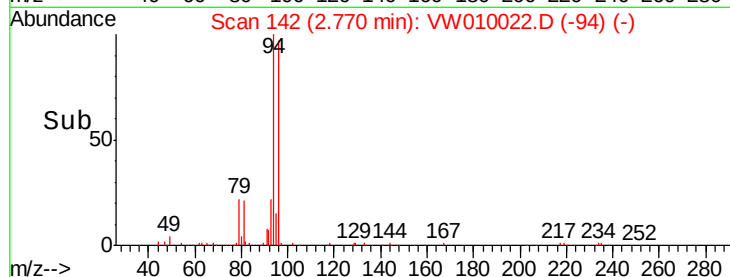
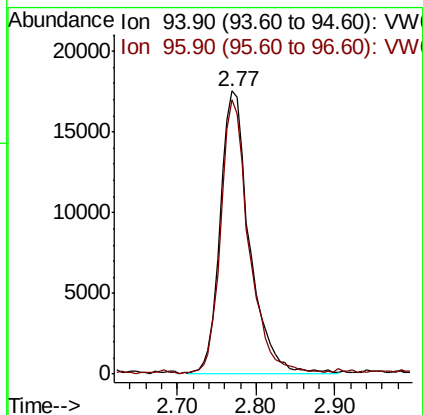
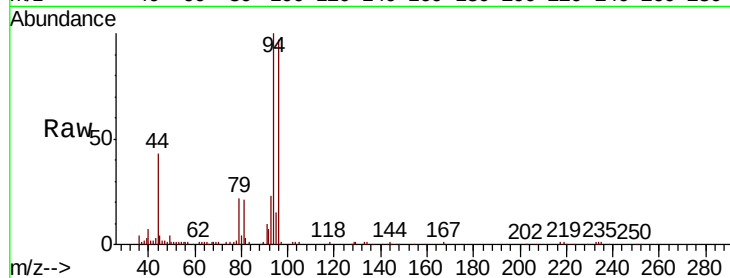
VW0417SBS01

Tgt Ion: 94 Resp: 45062

Ion Ratio Lower Upper

94 100

96 96.6 74.2 111.2



#6

Chloroethane

Concen: 19.727 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW010022.D

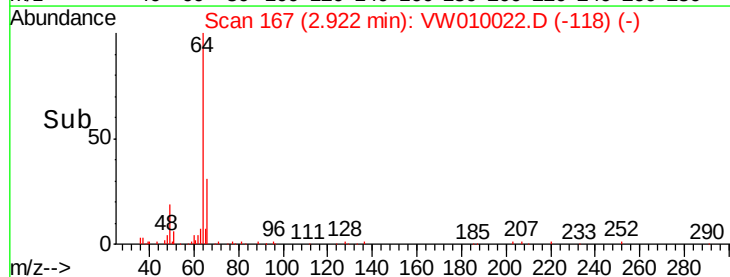
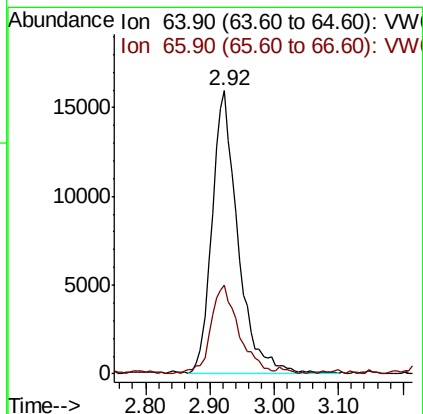
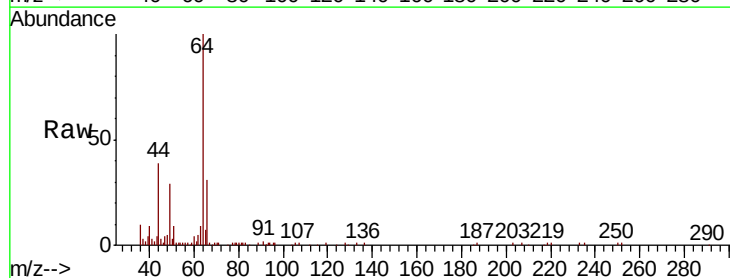
Acq: 17 Apr 2019 18:02

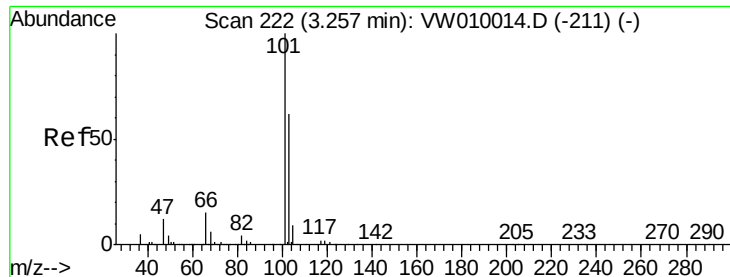
Tgt Ion: 64 Resp: 45354

Ion Ratio Lower Upper

64 100

66 30.0 23.4 35.0



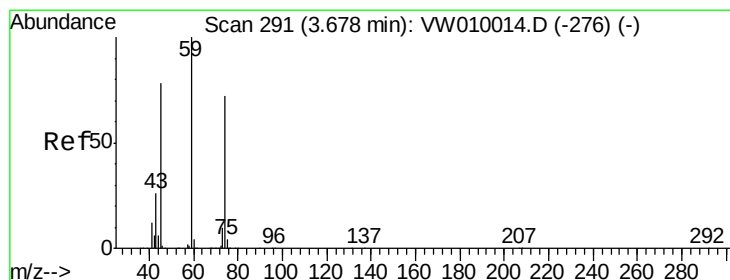
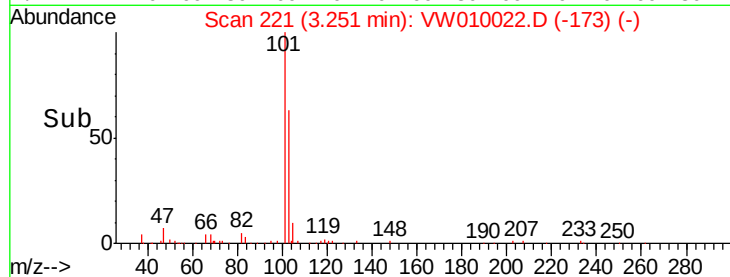
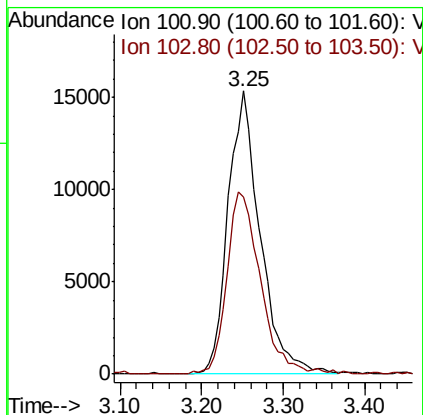
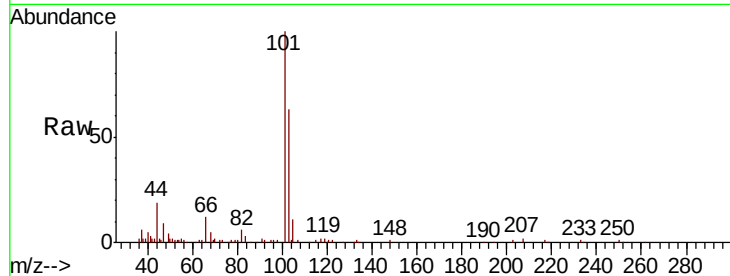


#7

Trichlorofluoromethane
 Concen: 17.164 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
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 VW0417SBSD01

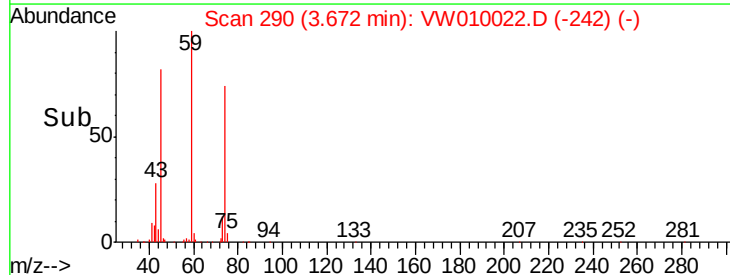
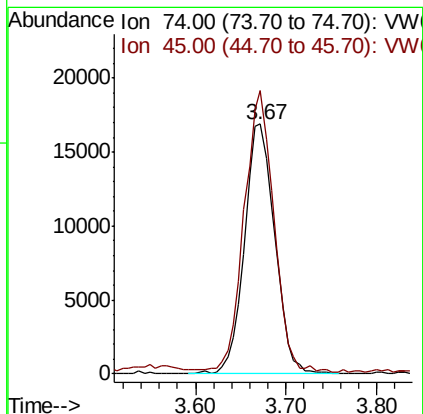
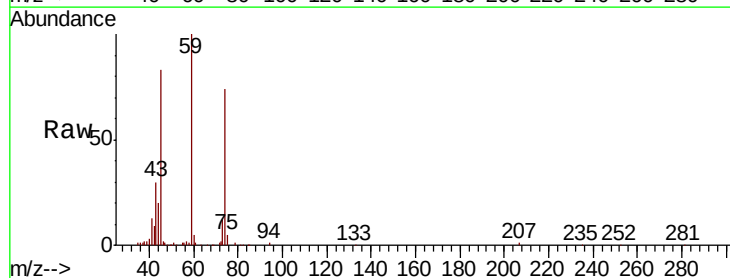
Tgt Ion: 101 Resp: 41757
 Ion Ratio Lower Upper
 101 100
 103 62.8 49.8 74.6

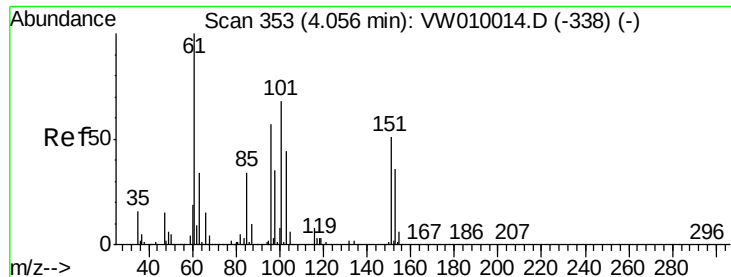


#8

Diethyl Ether
 Concen: 19.332 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion: 74 Resp: 39121
 Ion Ratio Lower Upper
 74 100
 45 111.6 56.0 168.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.735 ug/l

RT: 4.04 min Scan# 351

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD01

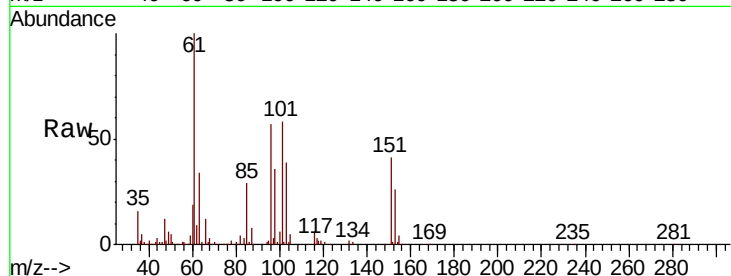
Tgt Ion:101 Resp: 76693

Ion Ratio Lower Upper

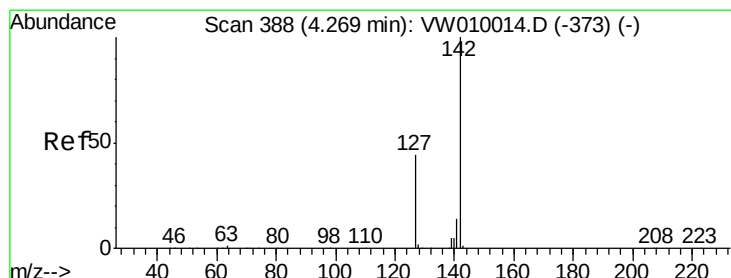
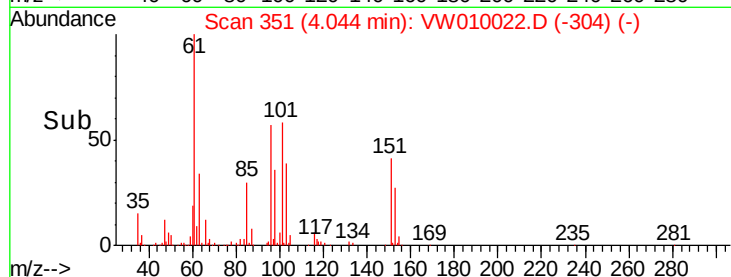
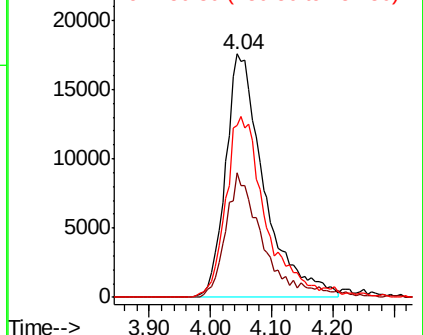
101 100

85 49.7 36.3 54.5

151 75.5 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: 18.777 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

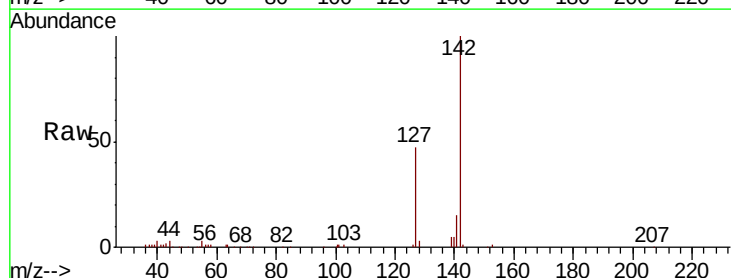
Tgt Ion:142 Resp: 106226

Ion Ratio Lower Upper

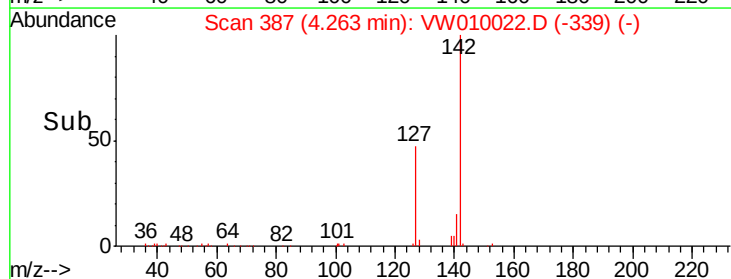
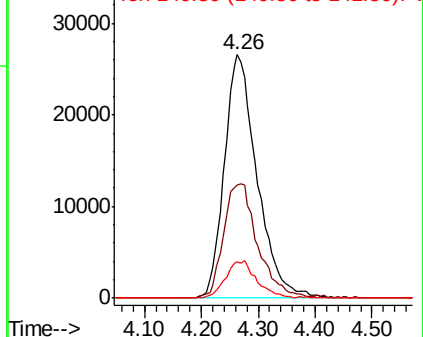
142 100

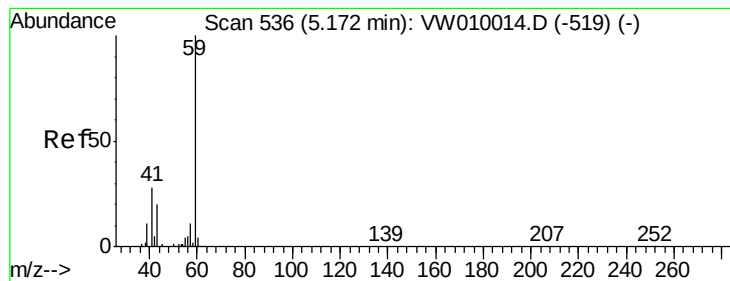
127 48.9 38.1 57.1

141 14.8 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



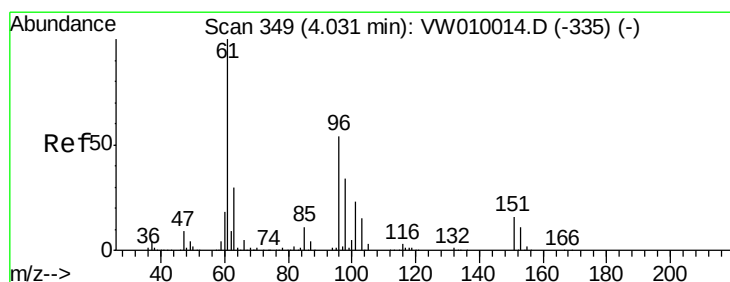
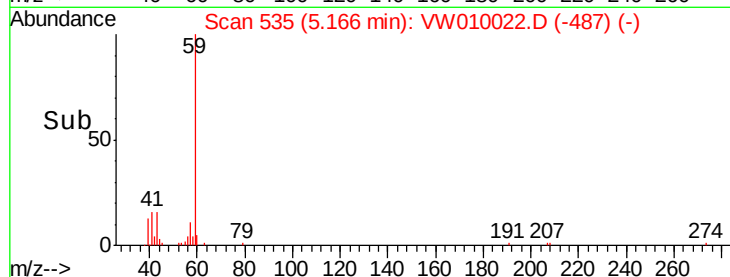
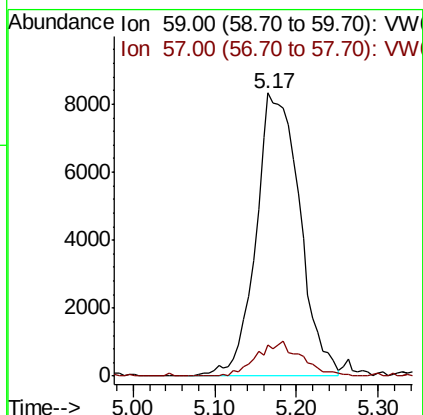
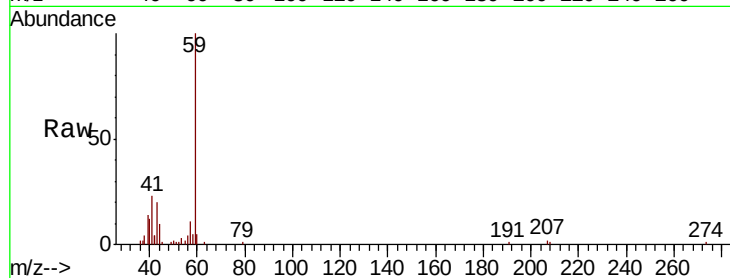


#11

Tert butyl alcohol
Concen: 111.409 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

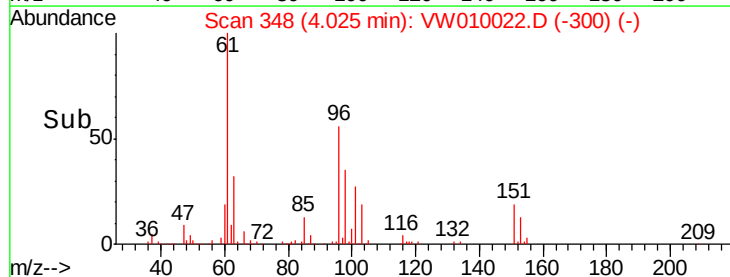
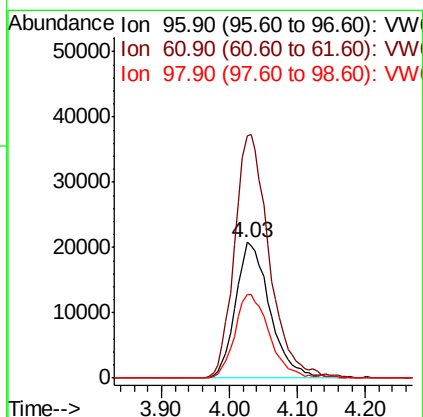
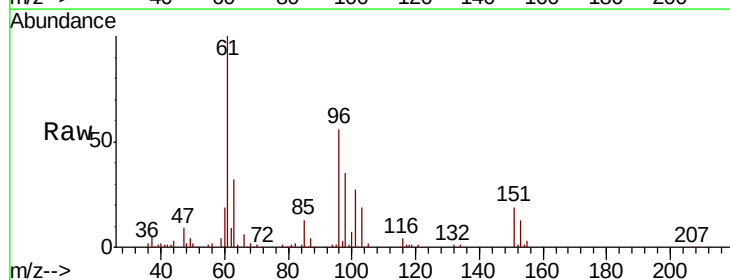
Tgt Ion: 59 Resp: 31089
Ion Ratio Lower Upper
59 100
57 12.6 9.0 13.4

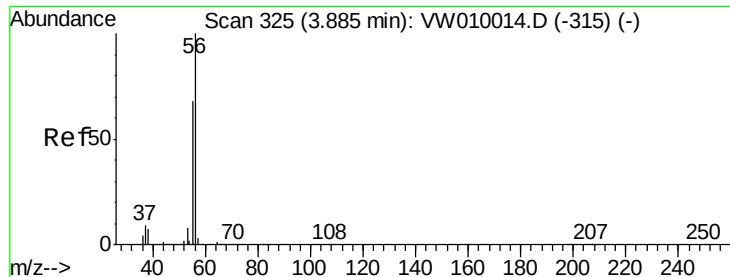


#12

1,1-Dichloroethene
Concen: 18.602 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 96 Resp: 73003
Ion Ratio Lower Upper
96 100
61 178.2 147.4 221.2
98 61.5 49.7 74.5

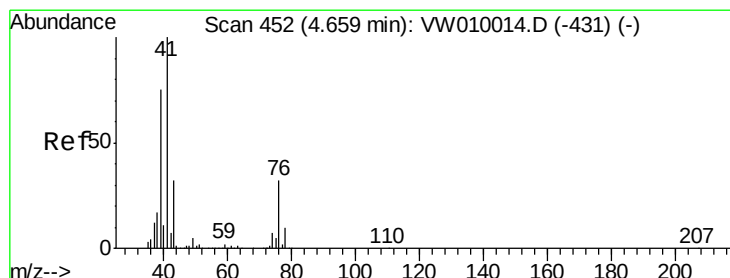
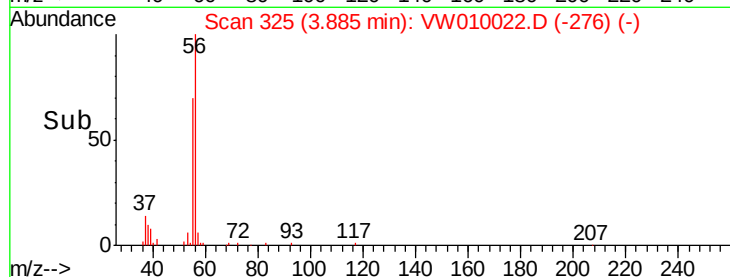
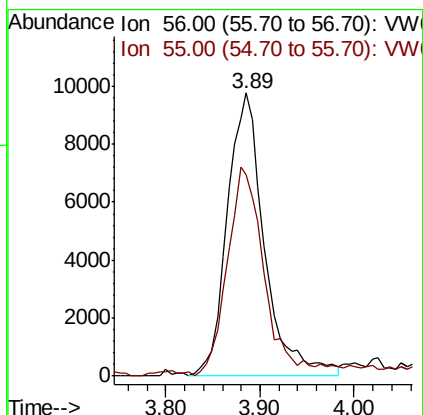
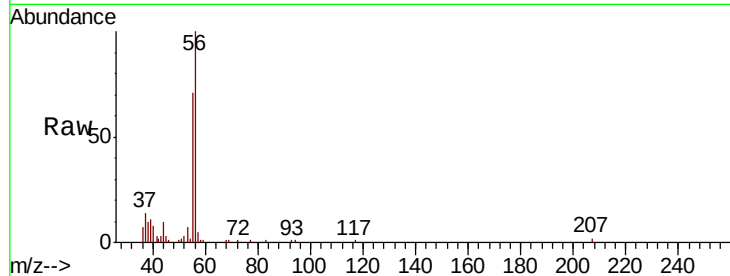




#13
 Acrolein
 Concen: 91.588 ug/l
 RT: 3.89 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

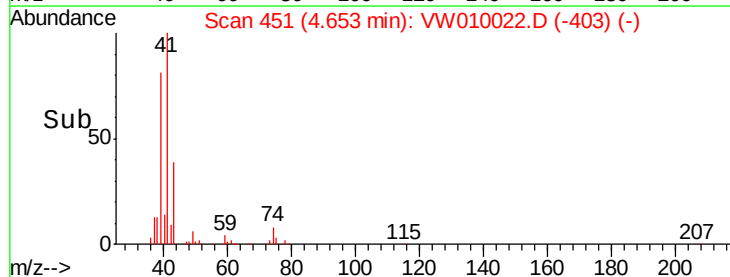
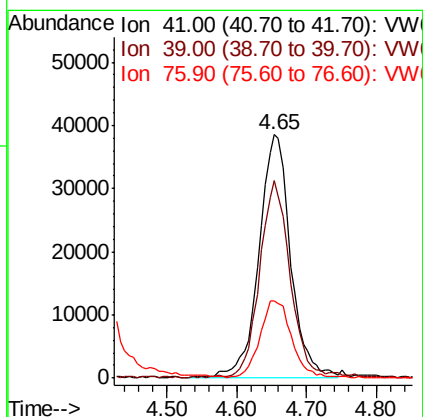
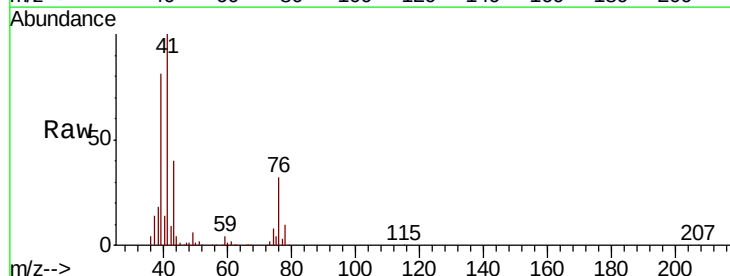
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

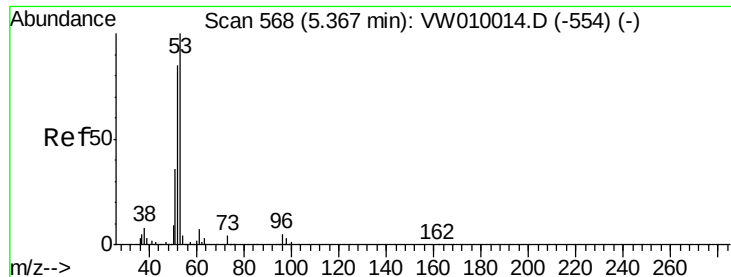
Tgt Ion: 56 Resp: 26888
 Ion Ratio Lower Upper
 56 100
 55 72.4 54.2 81.2



#14
 Allyl chloride
 Concen: 17.410 ug/l
 RT: 4.65 min Scan# 451
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion: 41 Resp: 121473
 Ion Ratio Lower Upper
 41 100
 39 78.6 60.2 90.4
 76 32.2 25.0 37.6





#15

Acrylonitrile

Concen: 101.649 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD01

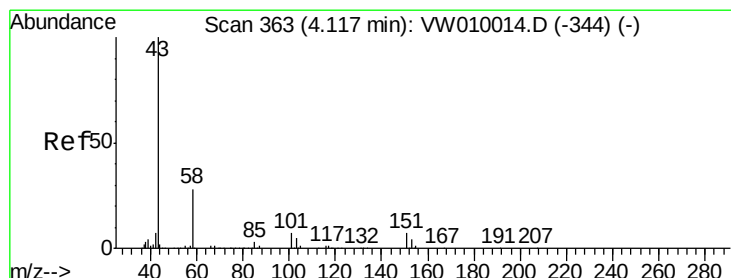
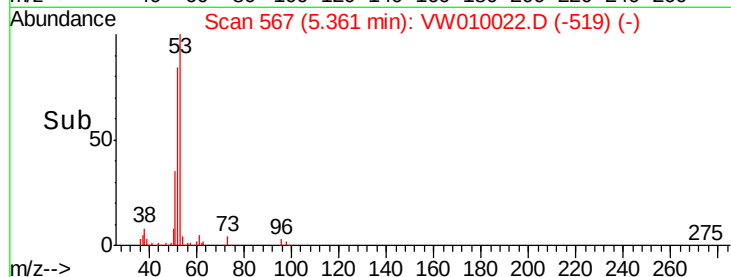
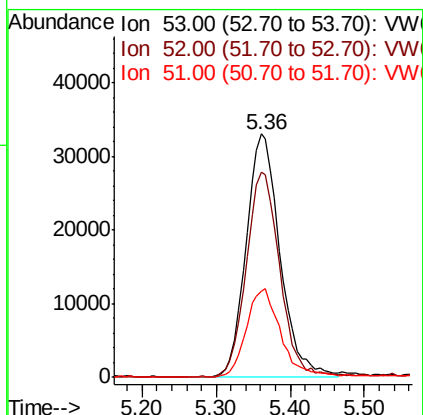
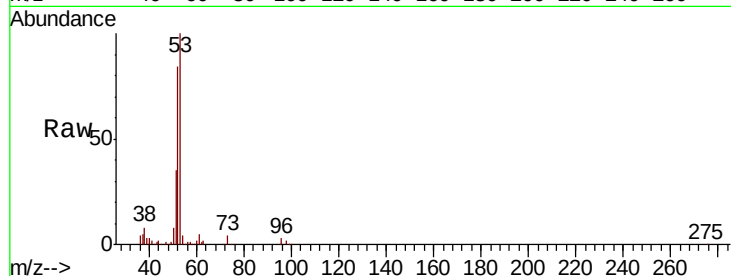
Tgt Ion: 53 Resp: 105860

Ion Ratio Lower Upper

53 100

52 83.0 66.6 100.0

51 36.8 30.3 45.5



#16

Acetone

Concen: 90.604 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW010022.D

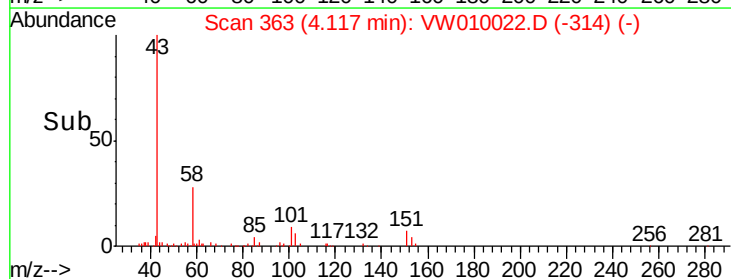
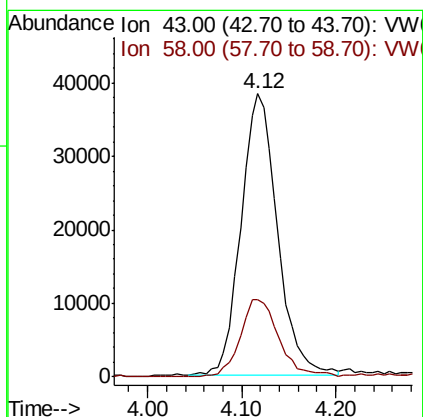
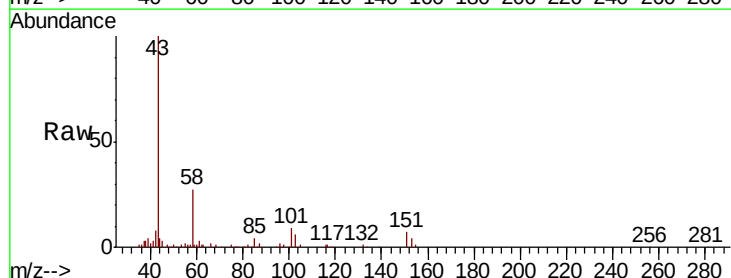
Acq: 17 Apr 2019 18:02

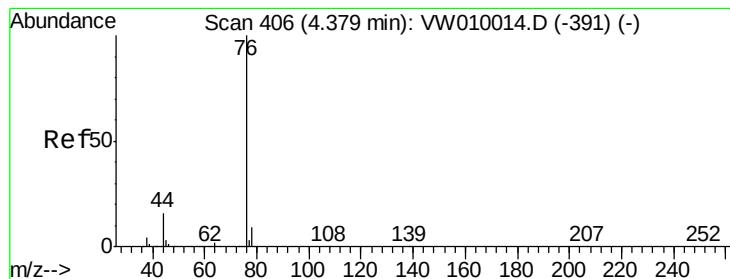
Tgt Ion: 43 Resp: 102988

Ion Ratio Lower Upper

43 100

58 27.4 22.7 34.1





#17

Carbon Disulfide

Concen: 17.355 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

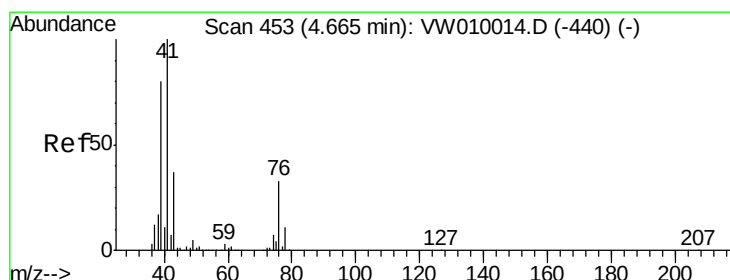
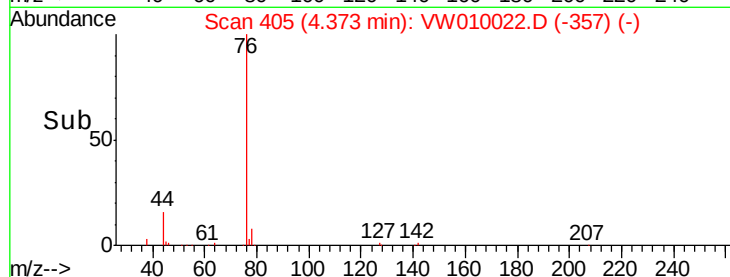
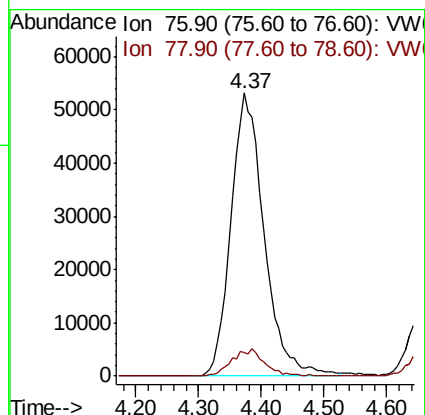
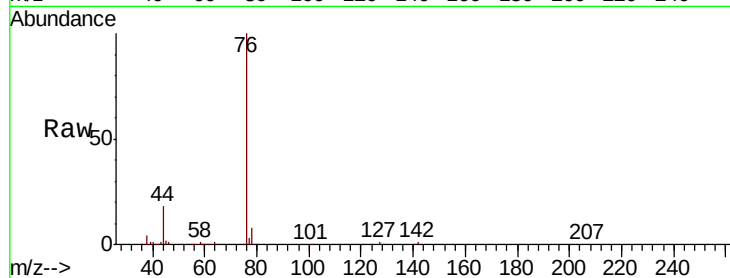
VW0417SBSD01

Tgt Ion: 76 Resp: 194572

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.2



#18

Methyl Acetate

Concen: 19.723 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW010022.D

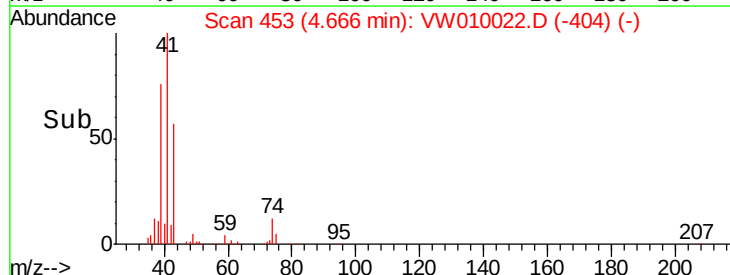
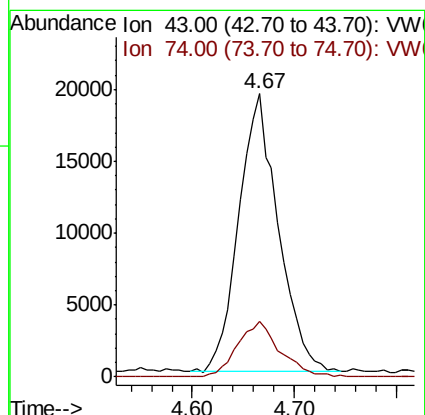
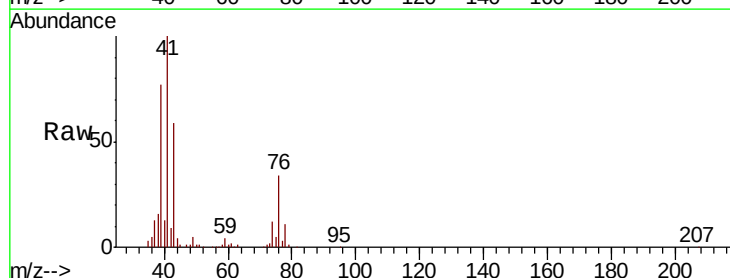
Acq: 17 Apr 2019 18:02

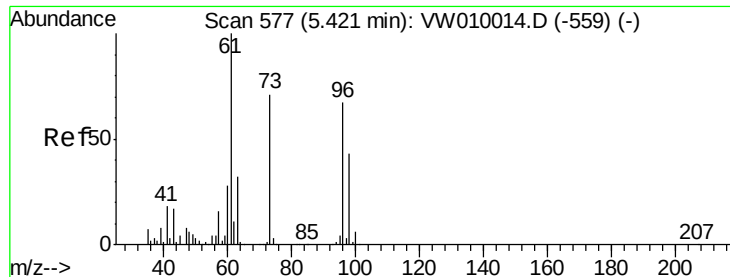
Tgt Ion: 43 Resp: 51886

Ion Ratio Lower Upper

43 100

74 21.4 16.8 25.2

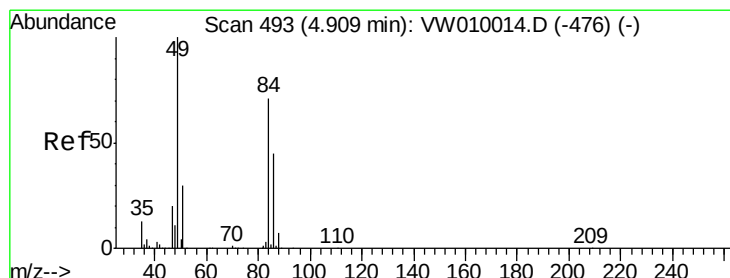
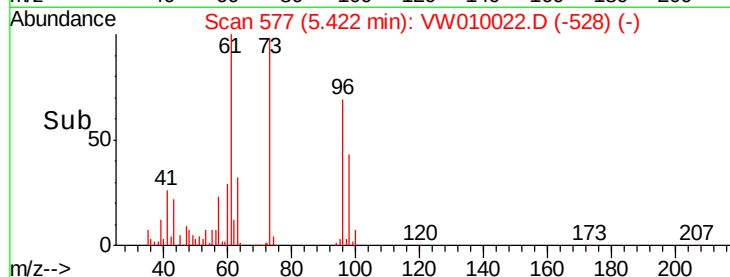
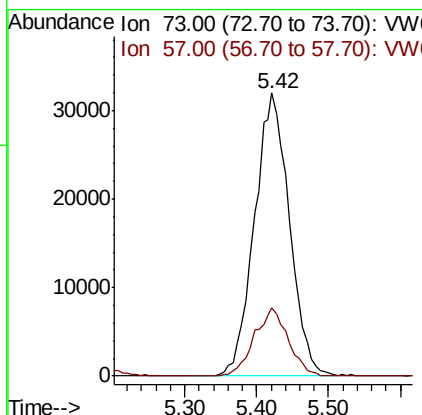
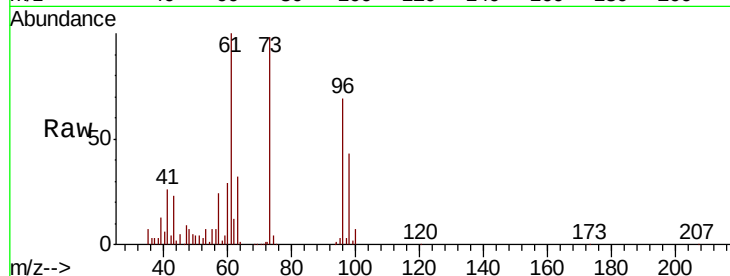




#19
Methyl tert-butyl Ether
Concen: 21.144 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

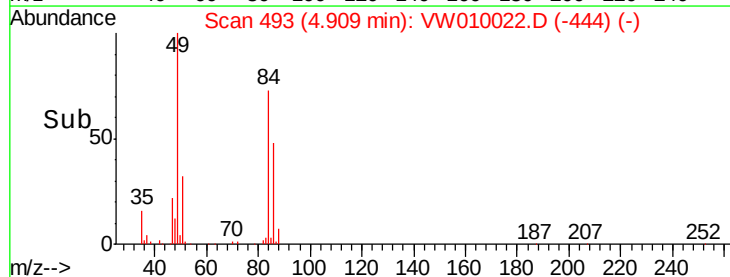
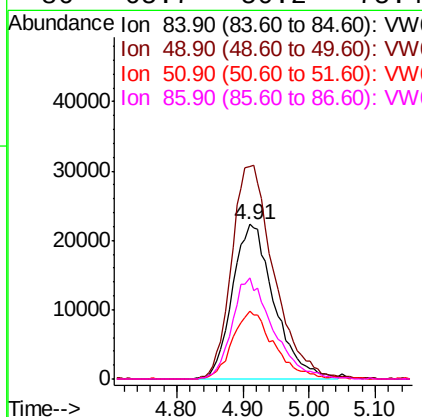
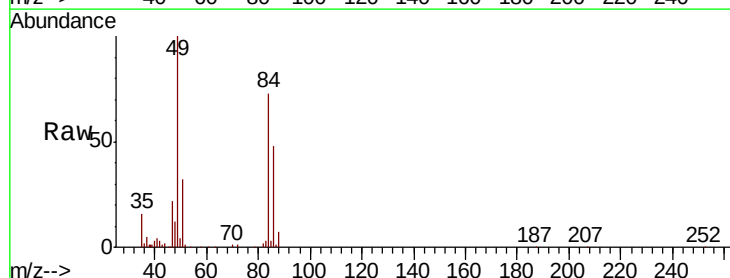
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

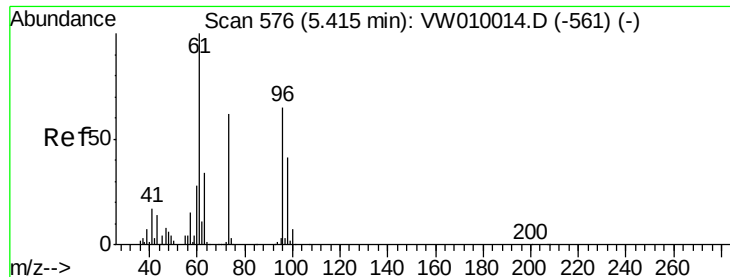
Tgt Ion: 73 Resp: 107784
Ion Ratio Lower Upper
73 100
57 24.2 18.5 27.7



#20
Methylene Chloride
Concen: 19.551 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 84 Resp: 97997
Ion Ratio Lower Upper
84 100
49 137.6 112.3 168.5
51 43.6 33.9 50.9
86 65.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 18.877 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD01

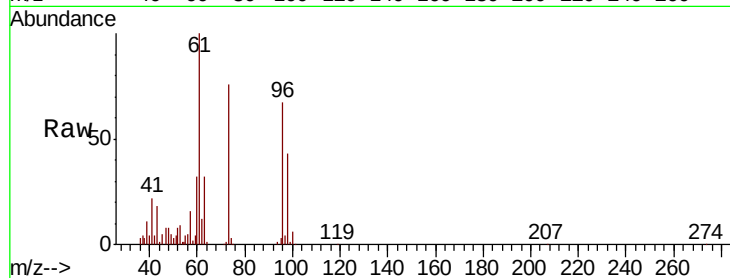
Tgt Ion: 96 Resp: 80224

Ion Ratio Lower Upper

96 100

61 149.7 122.3 183.5

98 64.2 50.5 75.7

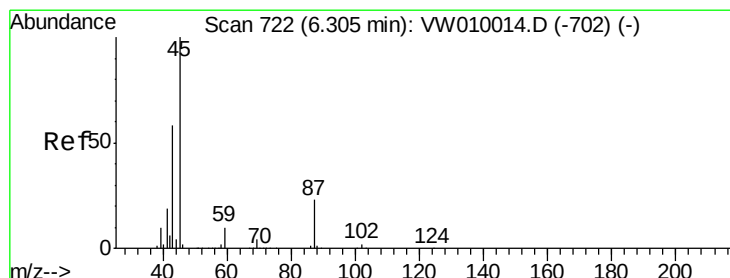
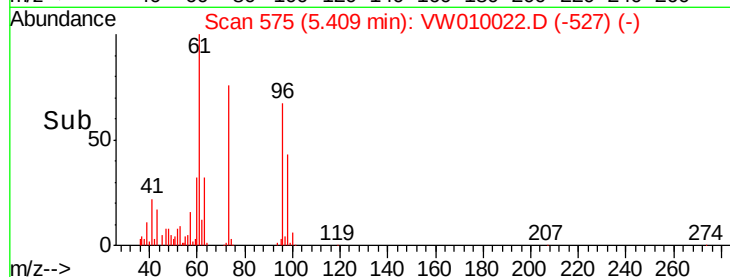
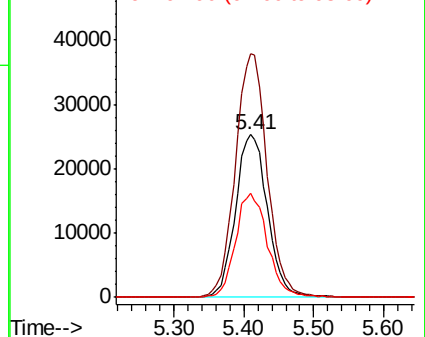


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.996 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion: 45 Resp: 283004

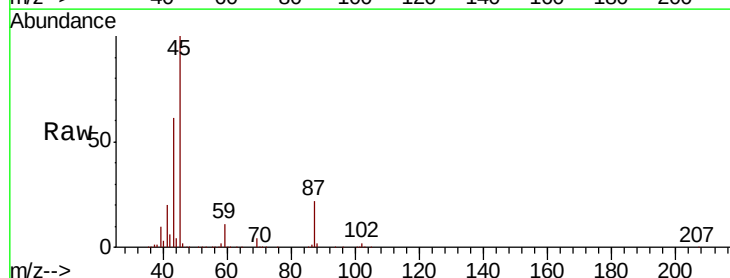
Ion Ratio Lower Upper

45 100

43 61.2 46.1 69.1

87 22.4 18.3 27.5

59 10.5 8.2 12.4



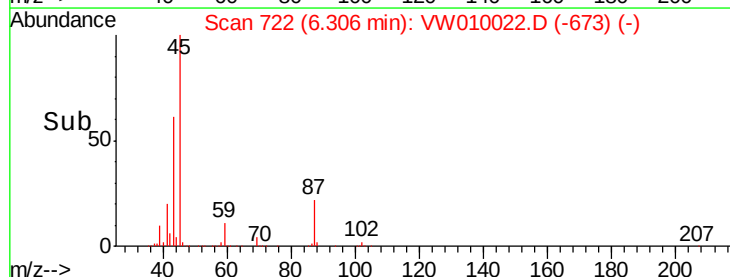
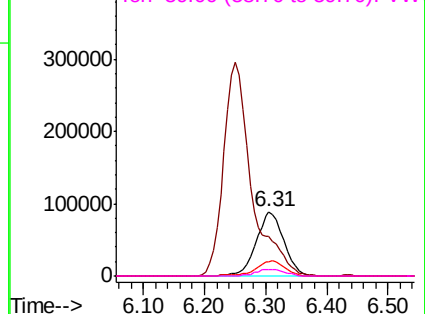
Abundance

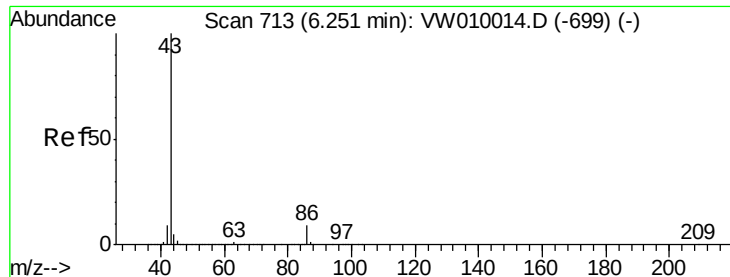
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 105.165 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

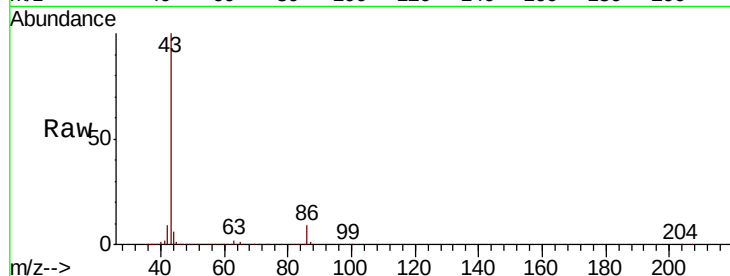
VW0417SBSD01

Tgt Ion: 43 Resp: 936970

Ion Ratio Lower Upper

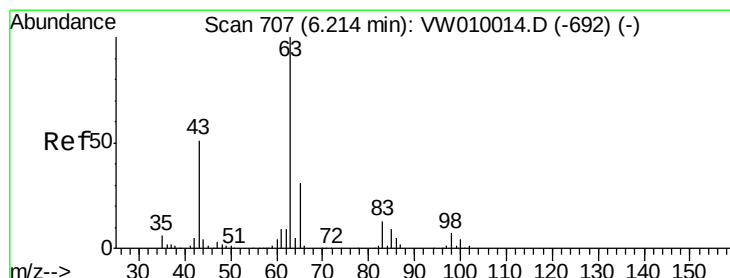
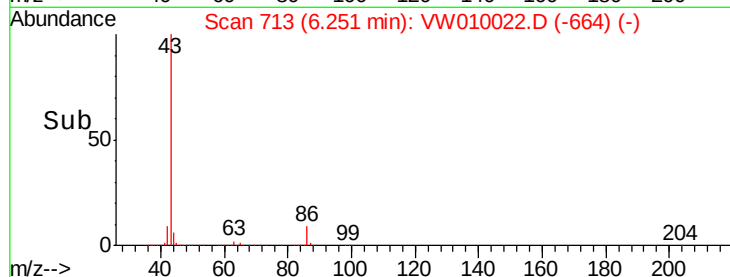
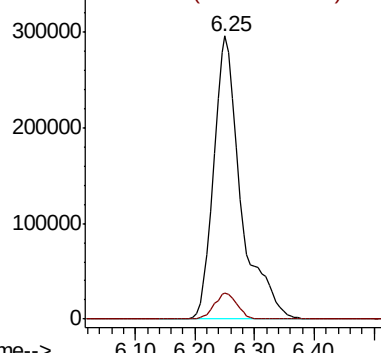
43 100

86 9.2 7.0 10.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.233 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

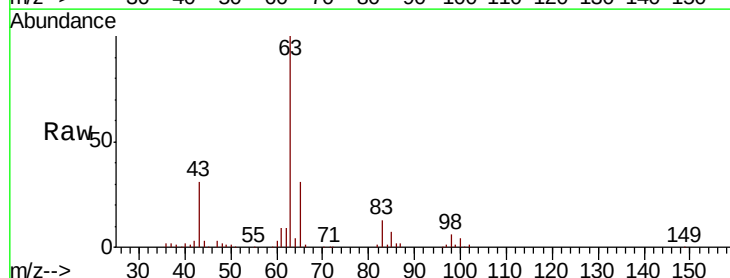
Tgt Ion: 63 Resp: 162721

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

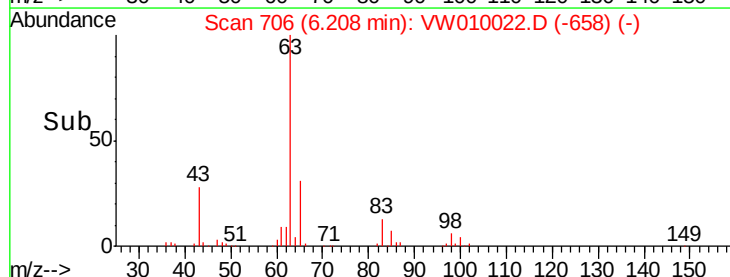
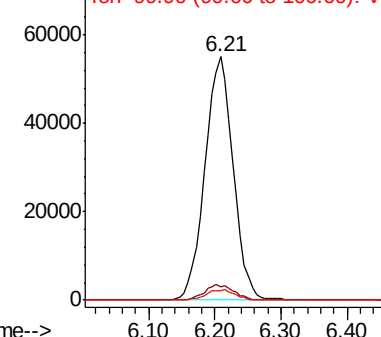
100 3.6 2.0 6.0

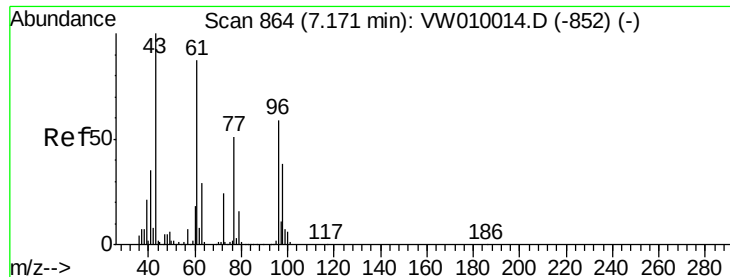


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 108.753 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampled :

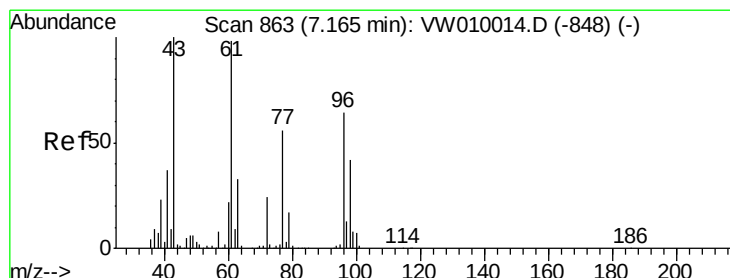
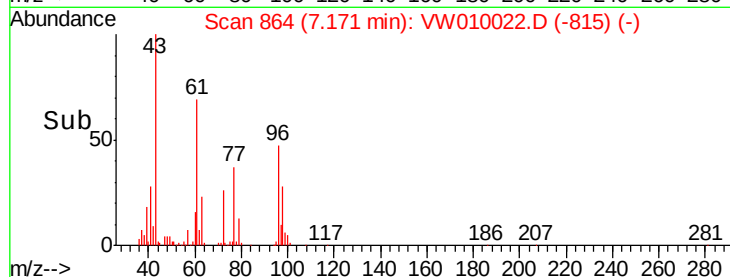
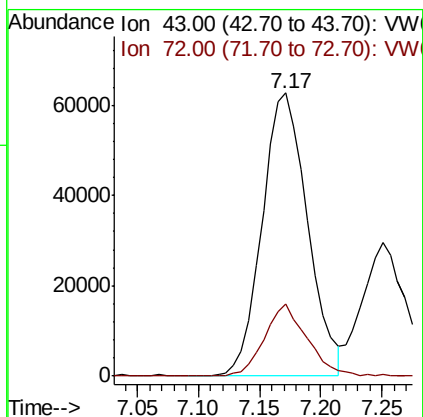
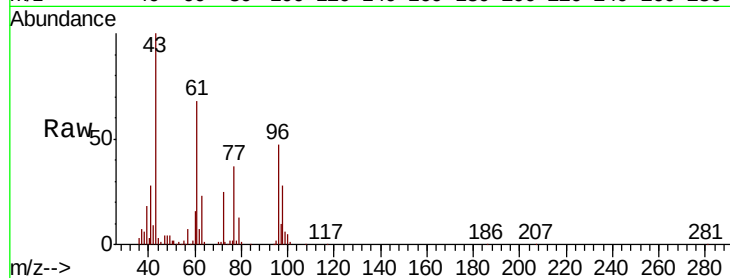
VW0417SBSD01

Tgt Ion: 43 Resp: 162386

Ion Ratio Lower Upper

43 100

72 25.5 19.1 28.7



#26

2,2-Dichloropropane

Concen: 18.550 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW010022.D

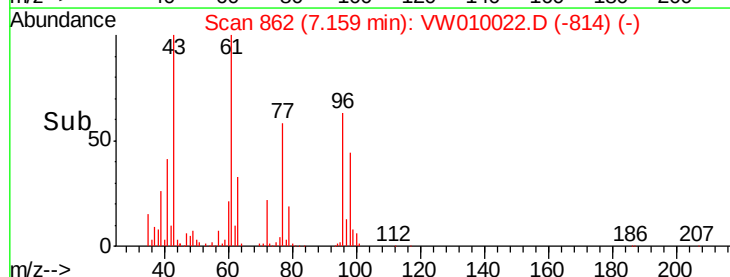
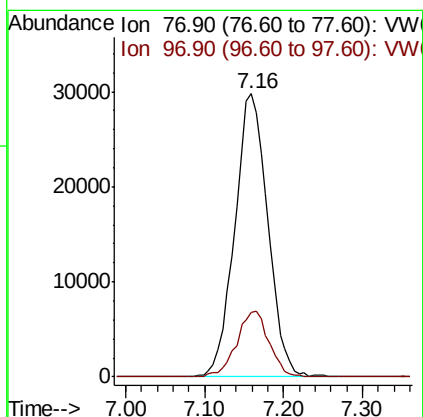
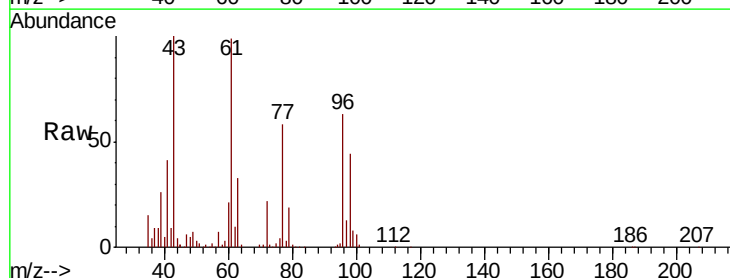
Acq: 17 Apr 2019 18:02

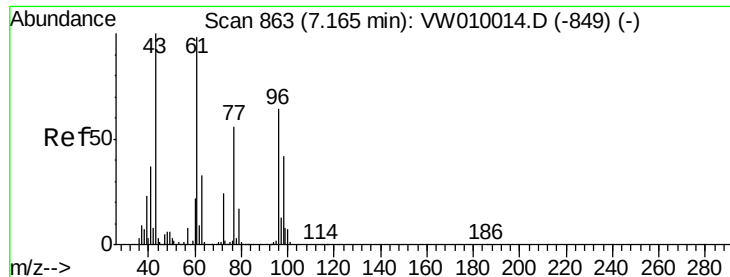
Tgt Ion: 77 Resp: 86833

Ion Ratio Lower Upper

77 100

97 22.7 11.3 33.9



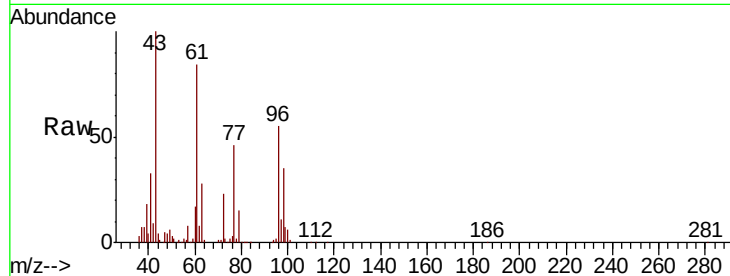


#27

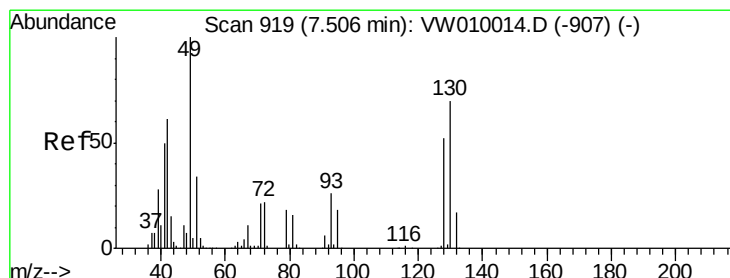
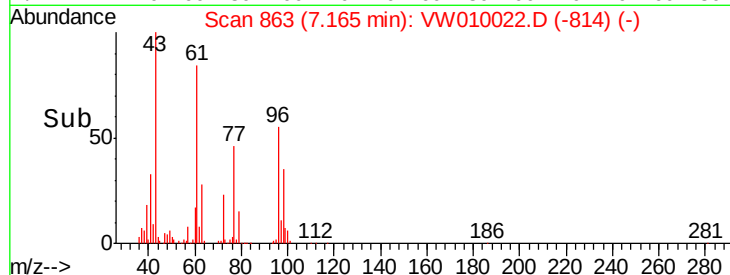
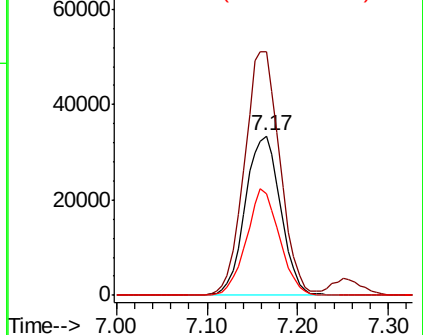
cis-1,2-Dichloroethene
 Concen: 19.260 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

Tgt Ion: 96 Resp: 90020
 Ion Ratio Lower Upper
 96 100
 61 153.6 0.0 309.4
 98 62.7 0.0 128.6



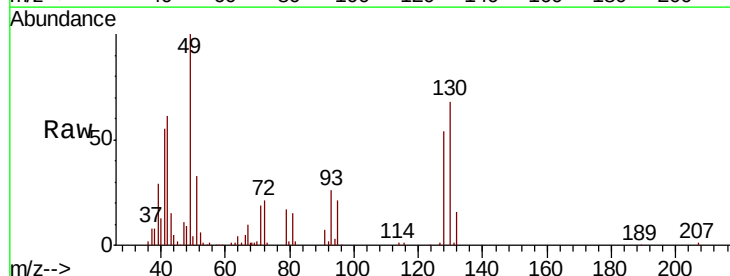
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



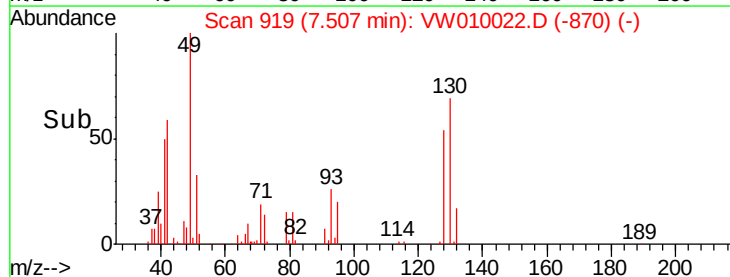
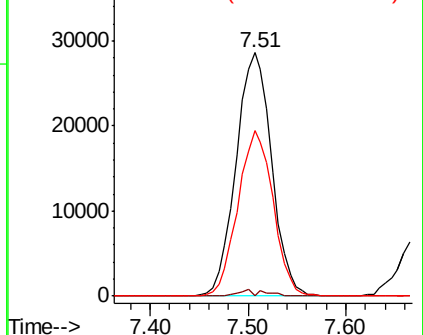
#28

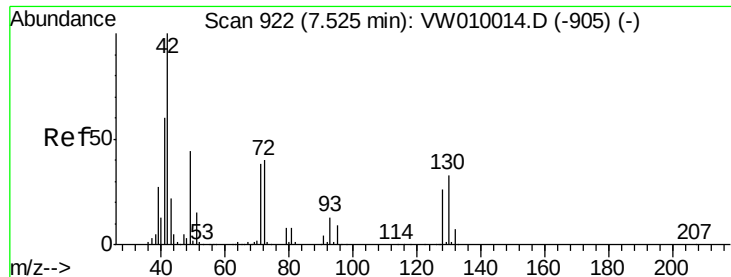
Bromochloromethane
 Concen: 20.877 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion: 49 Resp: 72186
 Ion Ratio Lower Upper
 49 100
 129 0.9 0.0 3.8
 130 67.2 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

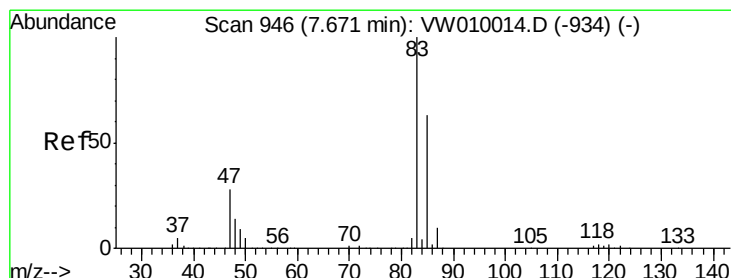
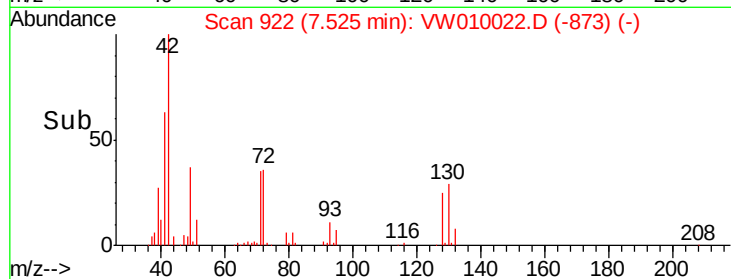
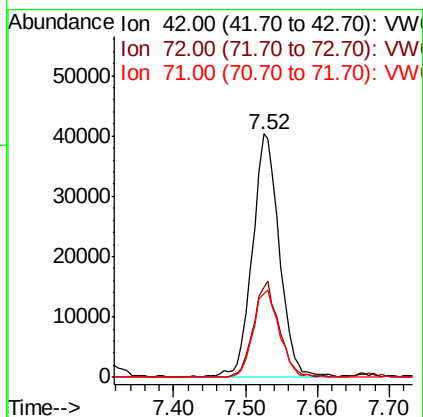
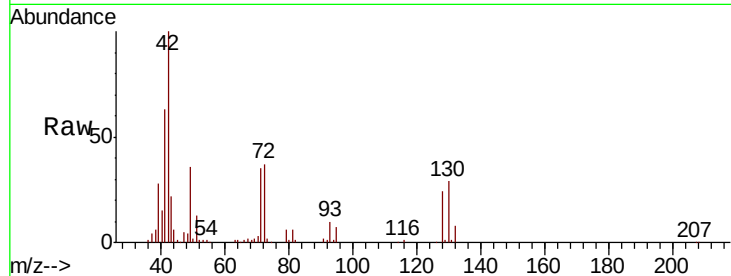




#29
Tetrahydrofuran
Concen: 111.423 ug/l
RT: 7.52 min Scan# 922
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

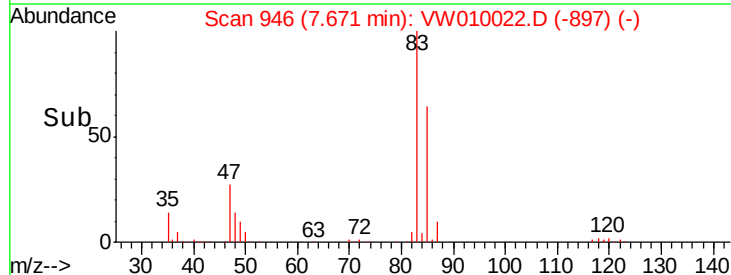
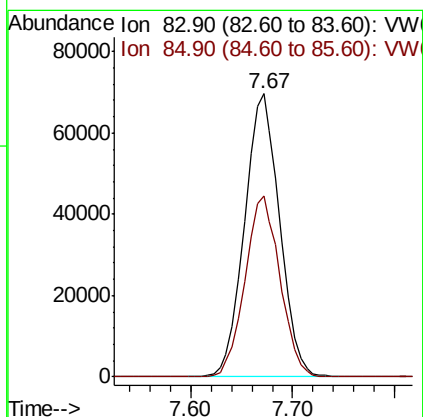
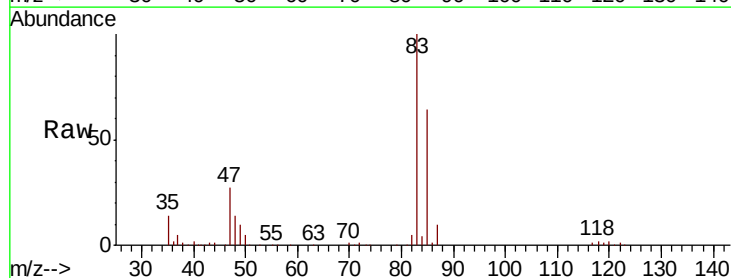
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBS01

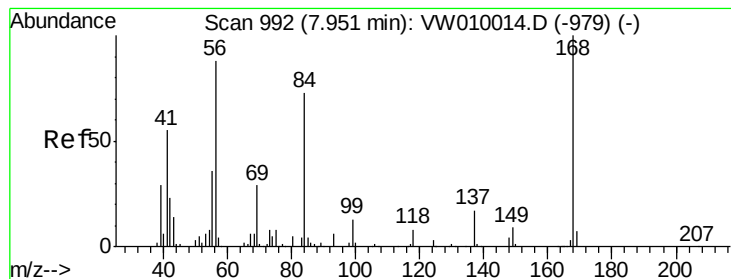
Tgt Ion: 42 Resp: 105419
Ion Ratio Lower Upper
42 100
72 37.0 31.0 46.6
71 34.7 29.7 44.5



#30
Chloroform
Concen: 19.614 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 83 Resp: 166286
Ion Ratio Lower Upper
83 100
85 63.8 50.7 76.1





#31

Cyclohexane

Concen: 18.801 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampled :

VW0417SBSD01

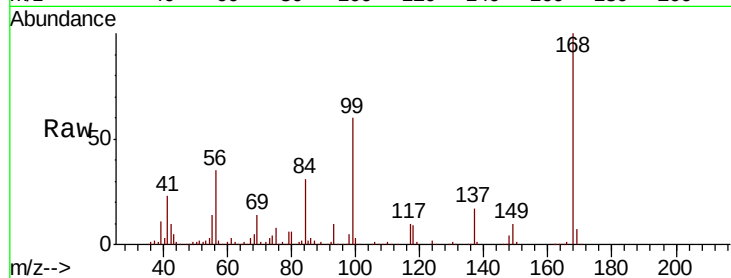
Tgt Ion: 56 Resp: 148958

Ion Ratio Lower Upper

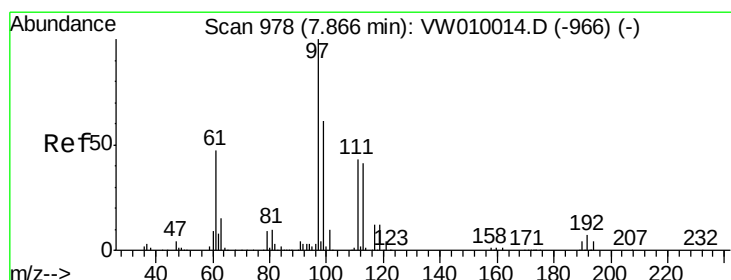
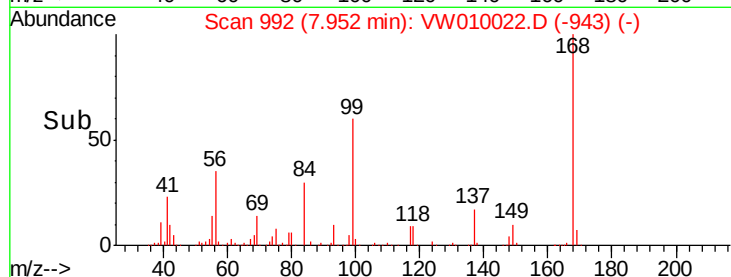
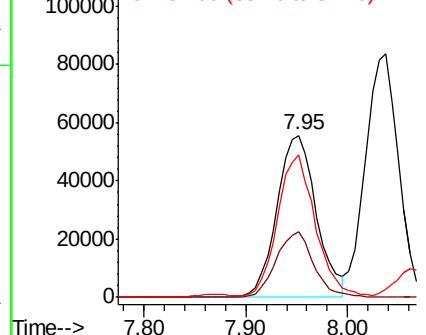
56 100

69 40.6 26.6 40.0#

84 87.2 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: 19.079 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

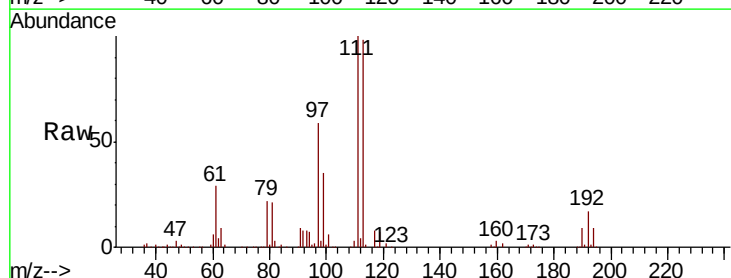
Tgt Ion: 97 Resp: 126979

Ion Ratio Lower Upper

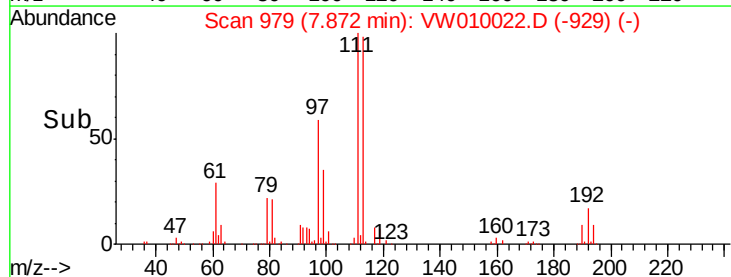
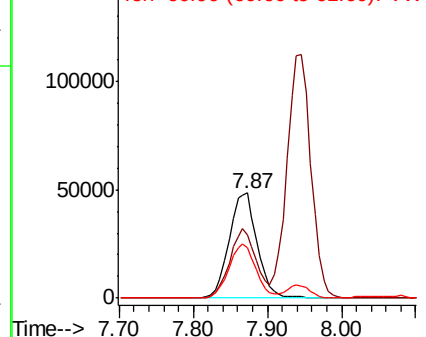
97 100

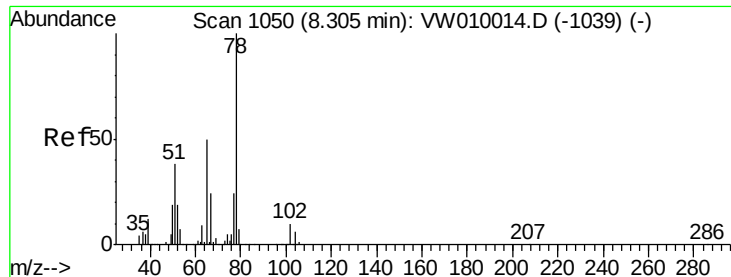
99 62.4 50.2 75.2

61 49.4 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

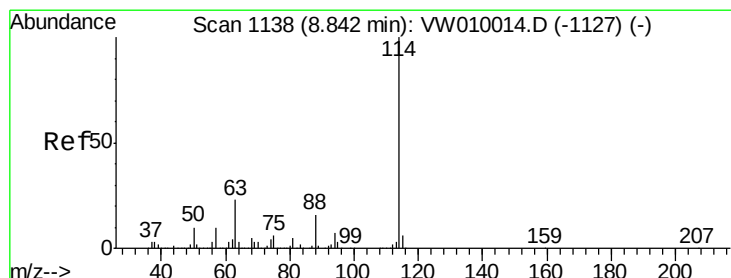
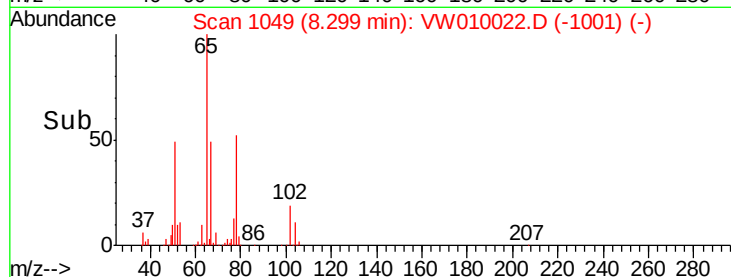
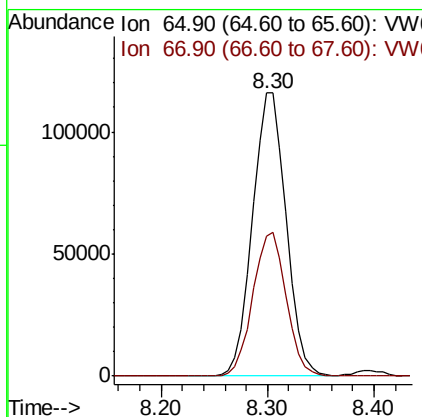
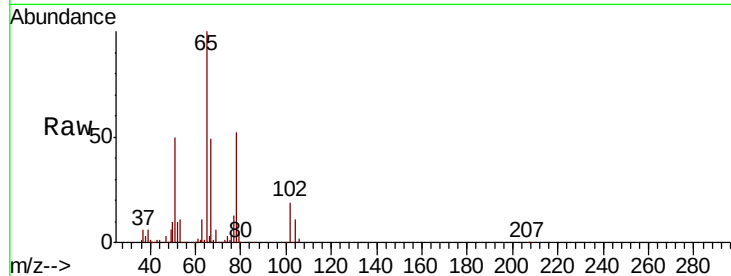




#33
 1,2-Dichloroethane-d4
 Concen: 52.462 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

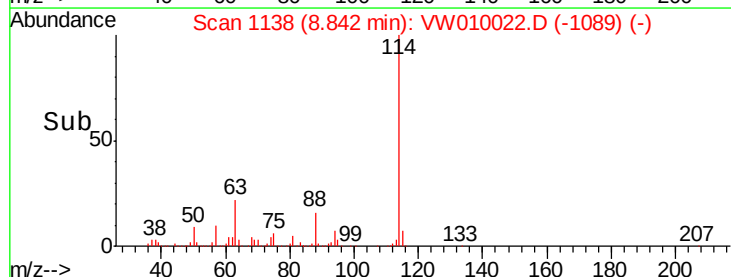
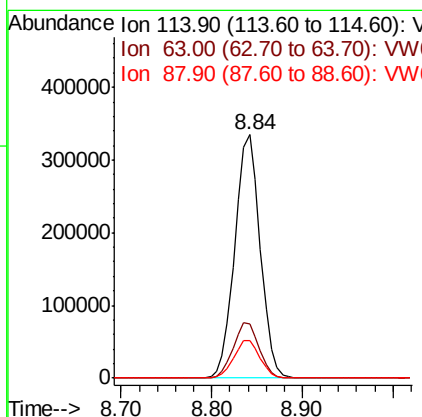
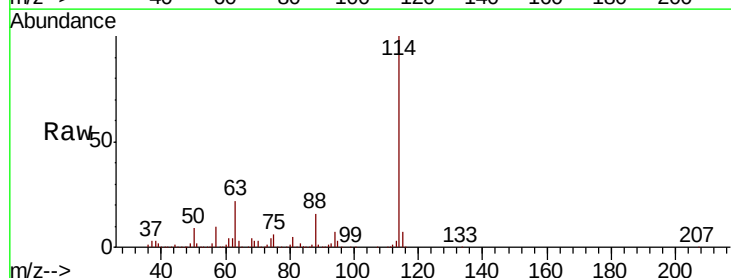
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

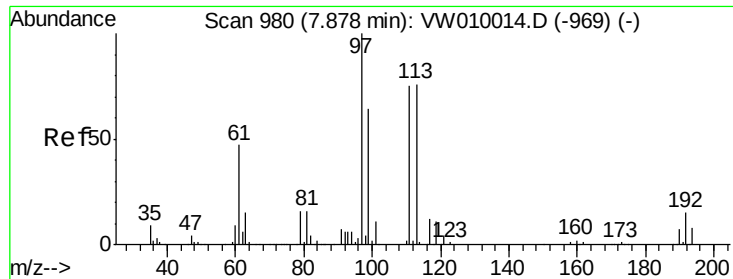
Tgt Ion: 65 Resp: 257016
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion: 114 Resp: 649472
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 46.2
 88 15.6 0.0 32.6

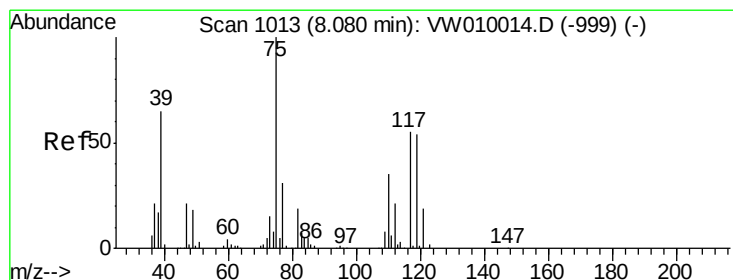
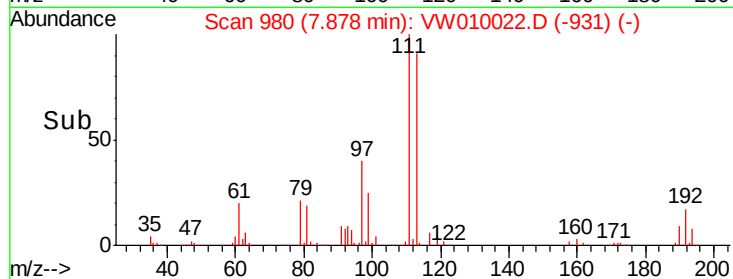
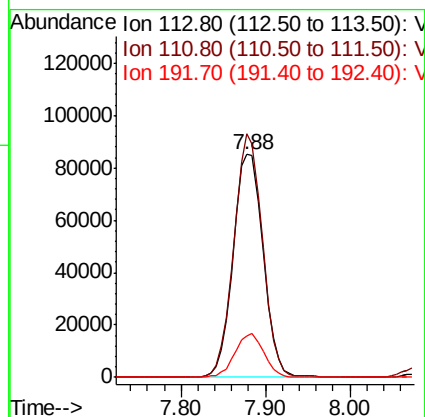
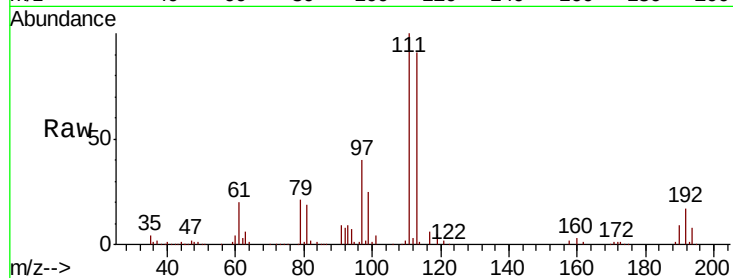




#35
 Dibromofluoromethane
 Concen: 49.787 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

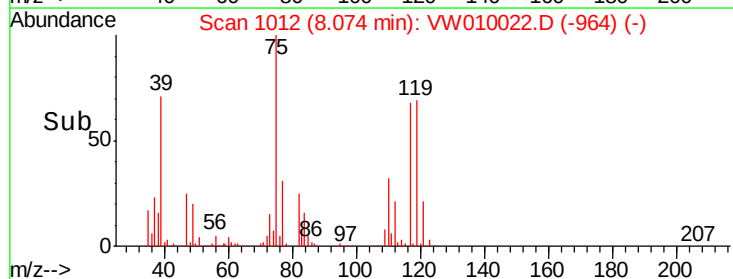
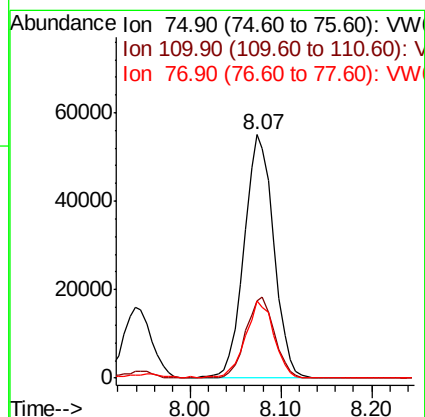
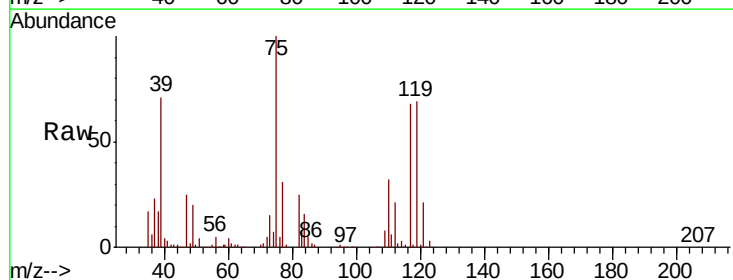
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

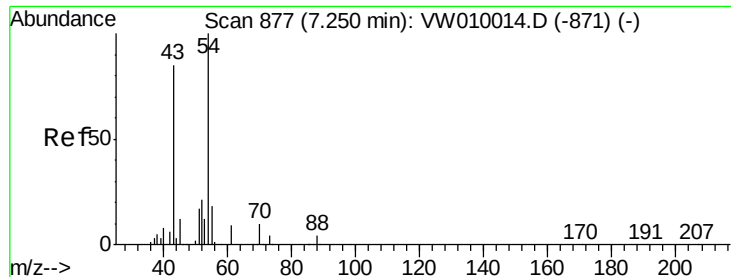
Tgt Ion:113 Resp: 205577
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.6 123.8
 192 18.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 18.762 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion: 75 Resp: 124469
 Ion Ratio Lower Upper
 75 100
 110 32.3 16.6 49.8
 77 30.6 24.8 37.2





#37

Ethyl Acetate

Concen: 22.147 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

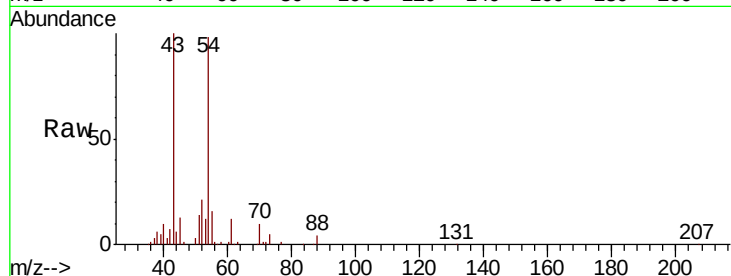
Tgt Ion: 43 Resp: 74661

Ion Ratio Lower Upper

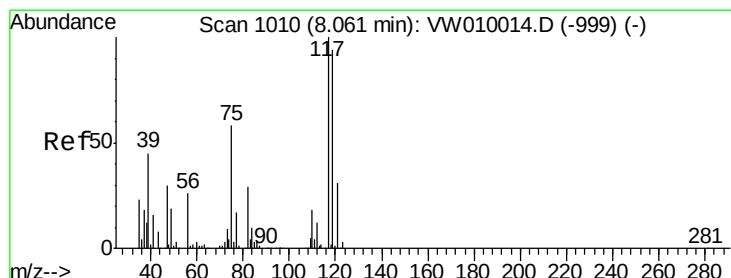
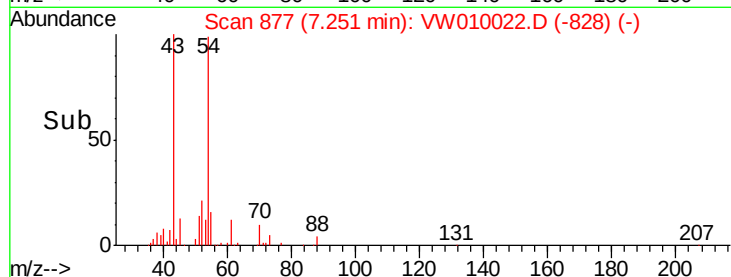
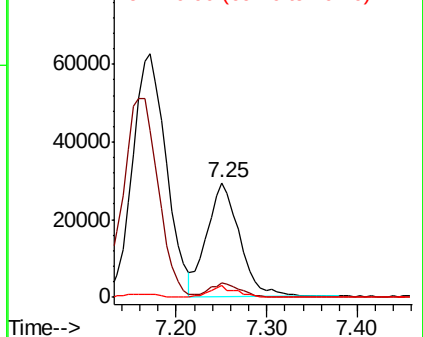
43 100

61 10.9 9.8 14.8

70 8.6 7.4 11.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 18.821 ug/l

RT: 8.06 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

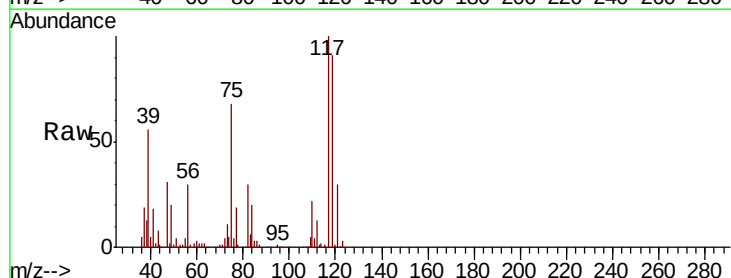
Tgt Ion: 117 Resp: 121862

Ion Ratio Lower Upper

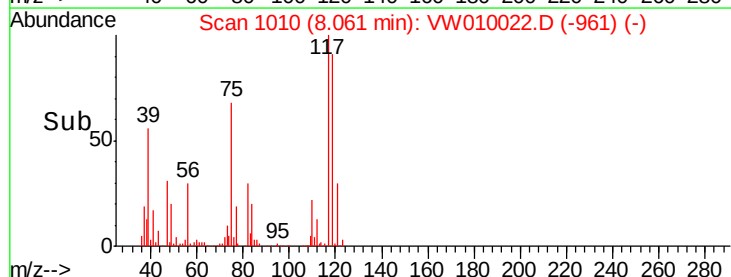
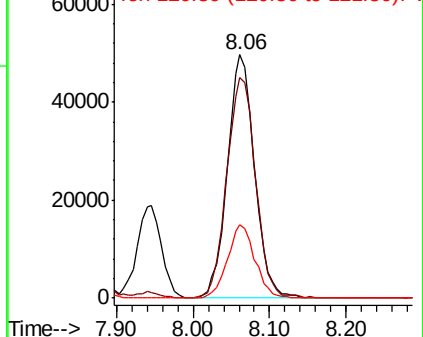
117 100

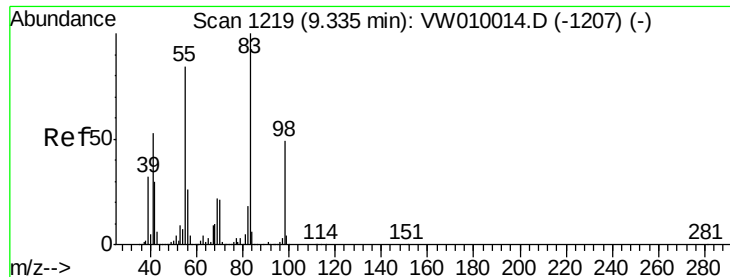
119 90.7 75.3 112.9

121 30.0 24.4 36.6



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

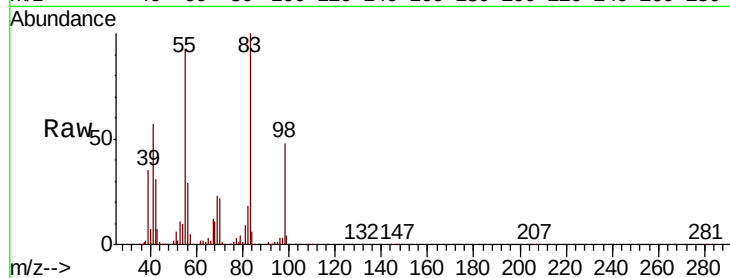




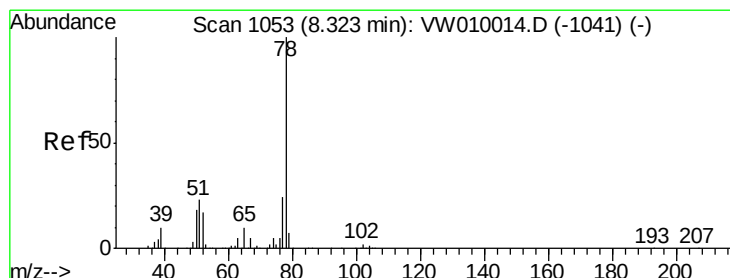
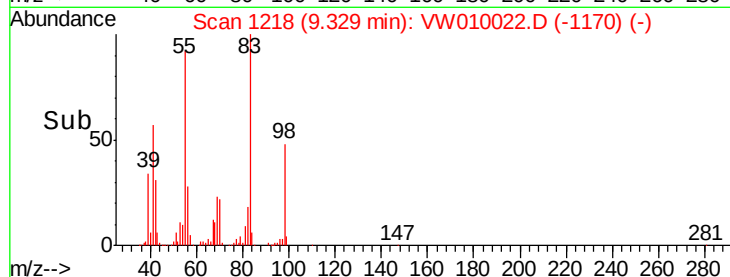
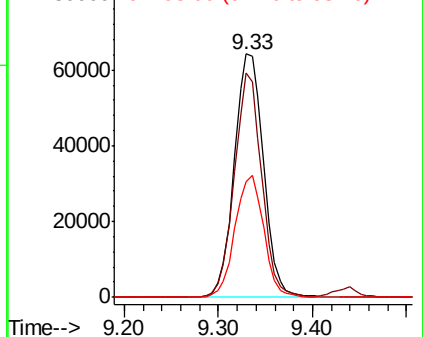
#39
Methylcyclohexane
Concen: 17.960 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tgt Ion: 83 Resp: 138640
Ion Ratio Lower Upper
83 100
55 92.1 67.1 100.7
98 47.6 39.2 58.8

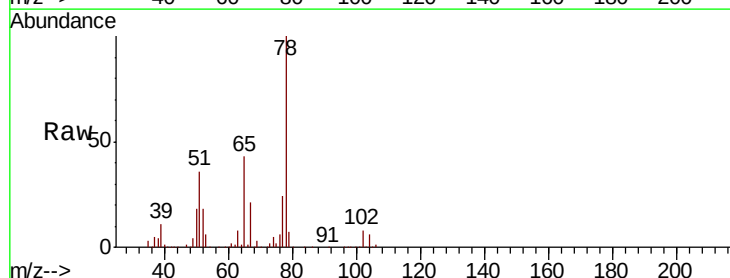


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

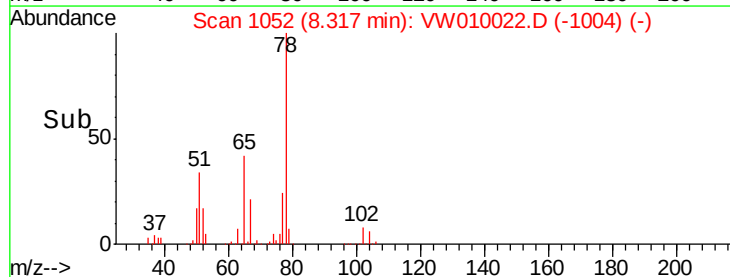
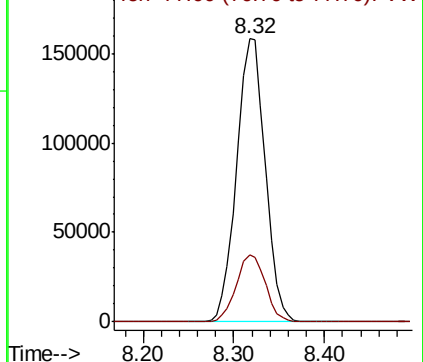


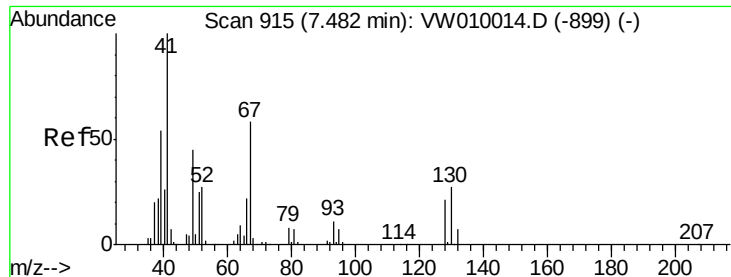
#40
Benzene
Concen: 19.139 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 78 Resp: 347179
Ion Ratio Lower Upper
78 100
77 23.9 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

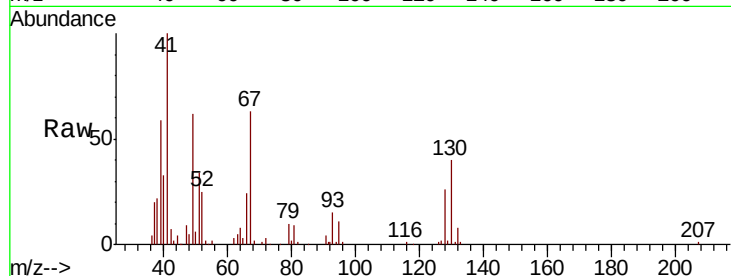




#41
Methacrylonitrile
Concen: 21.859 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tgt Ion:	41	Resp:	41998
Ion	Ratio	Lower	Upper
41	100		
39	58.3	45.0	67.4
67	61.5	50.7	76.1
52	28.6	22.6	33.8



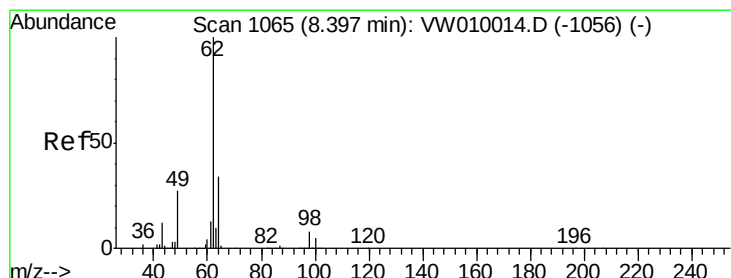
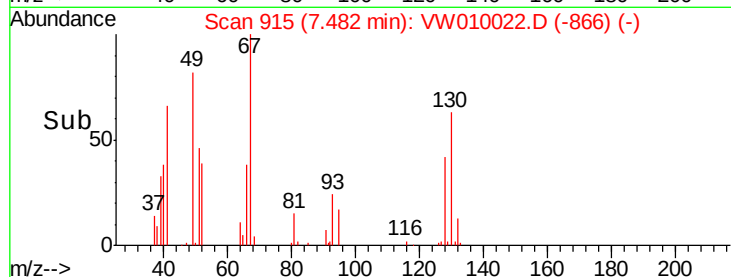
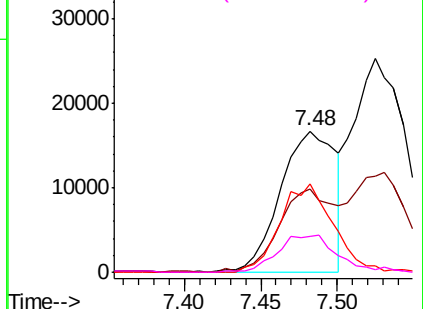
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

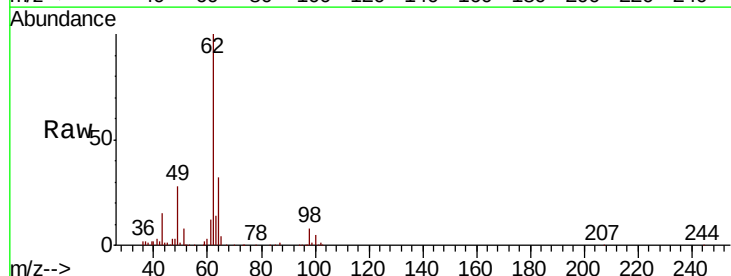
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 19.689 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

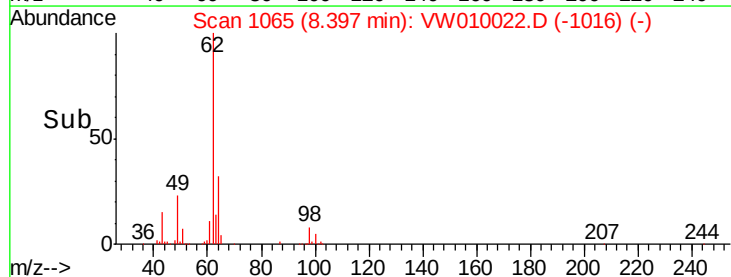
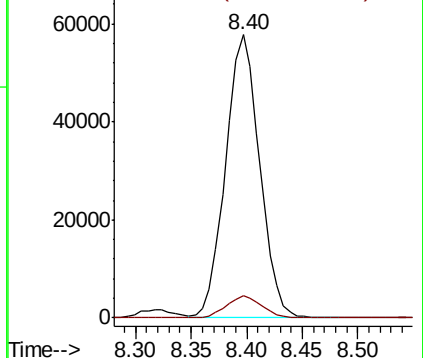
Tgt Ion:	62	Resp:	122739
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	16.6

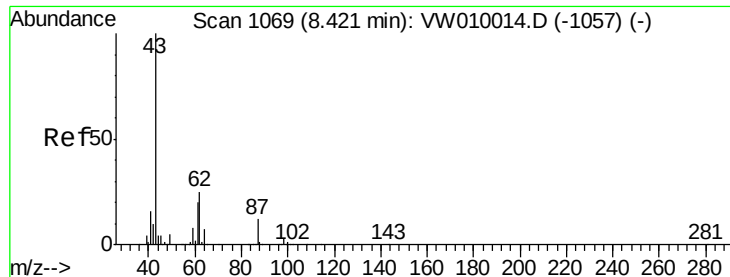


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 21.487 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD01

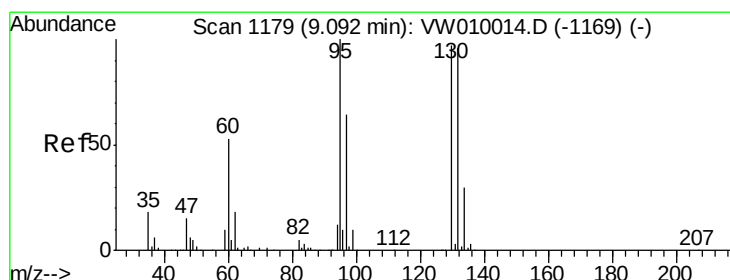
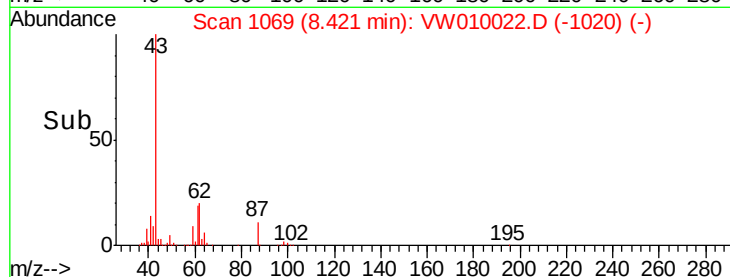
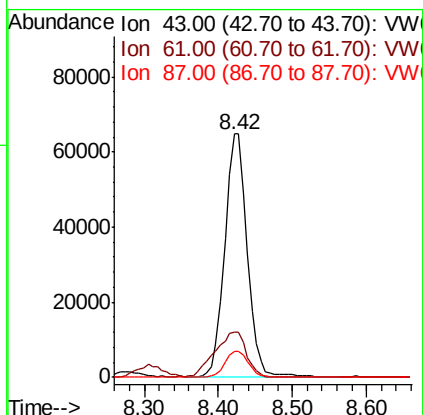
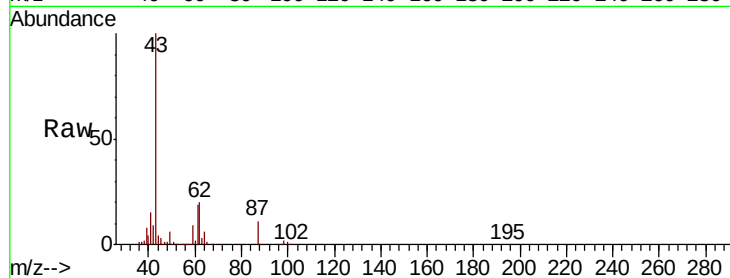
Tgt Ion: 43 Resp: 135738

Ion Ratio Lower Upper

43 100

61 26.0 23.0 34.6

87 11.4 9.3 13.9



#44

Trichloroethene

Concen: 18.746 ug/l

RT: 9.09 min Scan# 1178

Delta R.T. -0.01 min

Lab File: VW010022.D

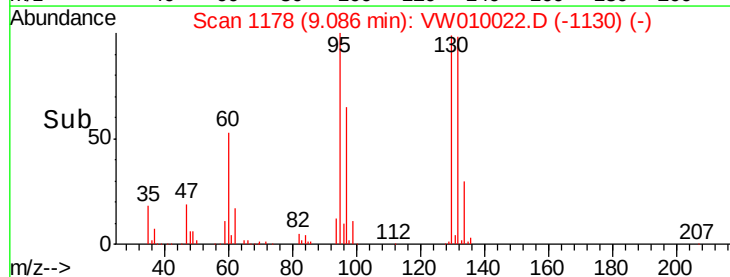
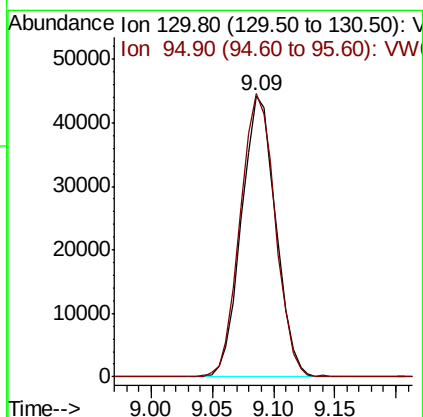
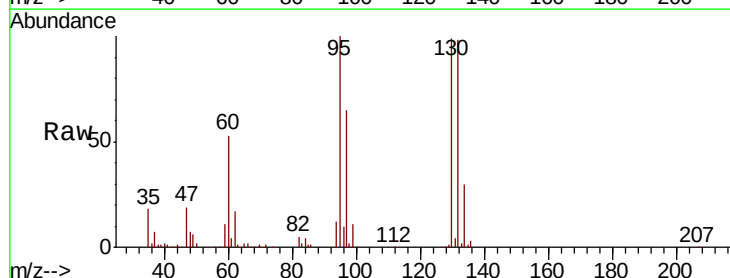
Acq: 17 Apr 2019 18:02

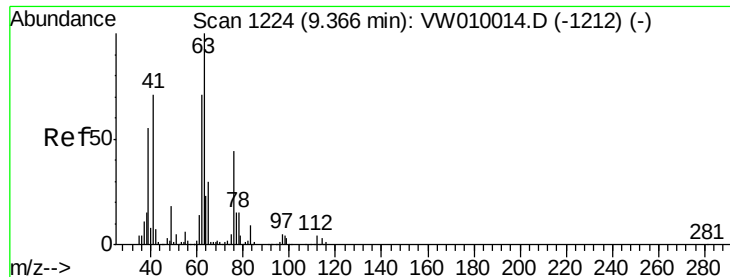
Tgt Ion: 130 Resp: 86366

Ion Ratio Lower Upper

130 100

95 100.8 0.0 205.4

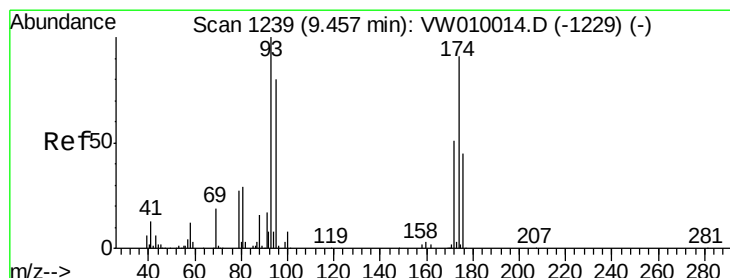
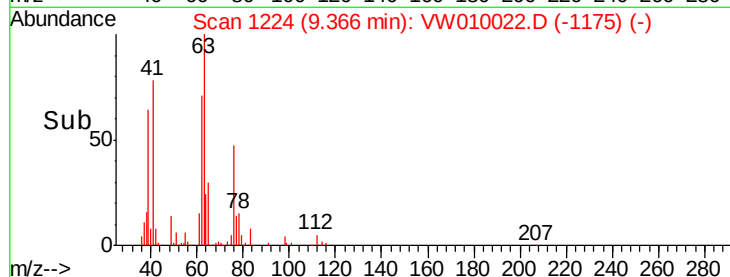
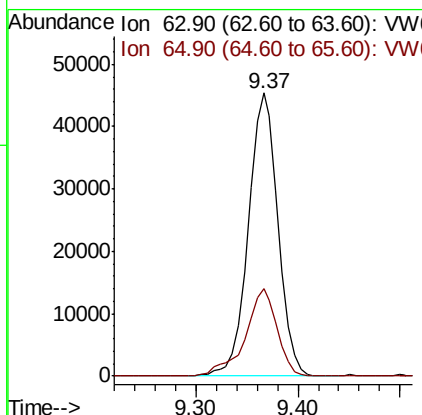
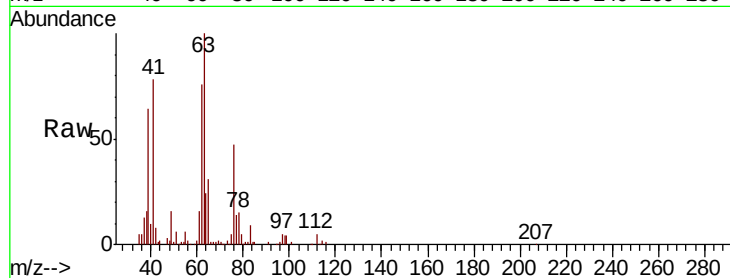




#45
 1,2-Dichloropropane
 Concen: 19.229 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

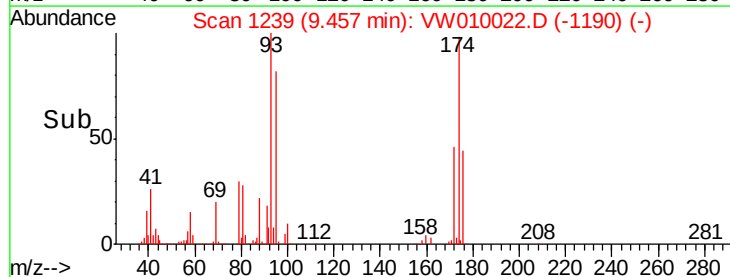
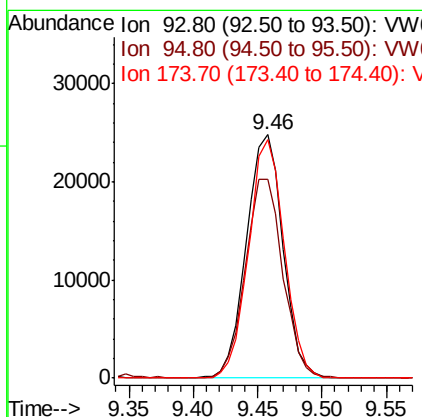
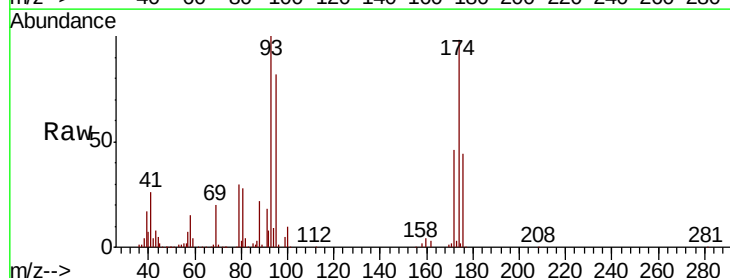
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

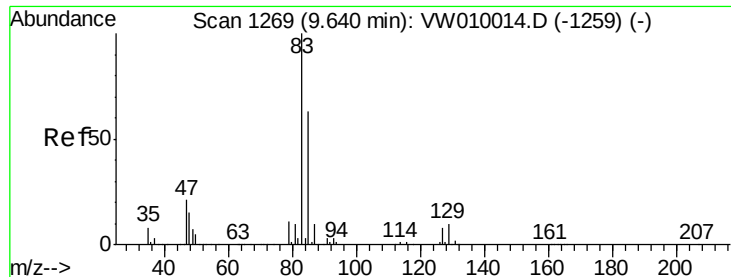
Tgt Ion: 63 Resp: 91685
 Ion Ratio Lower Upper
 63 100
 65 30.9 23.8 35.6



#46
 Dibromomethane
 Concen: 19.632 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion: 93 Resp: 48515
 Ion Ratio Lower Upper
 93 100
 95 84.1 65.8 98.8
 174 95.6 75.5 113.3

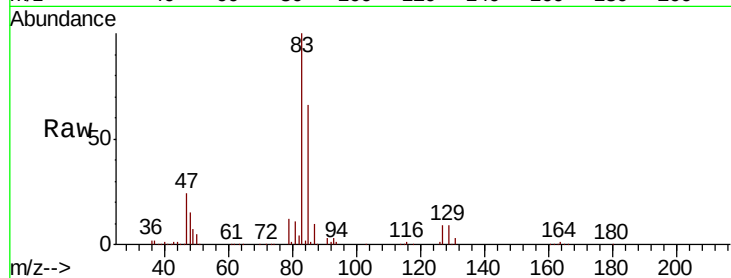




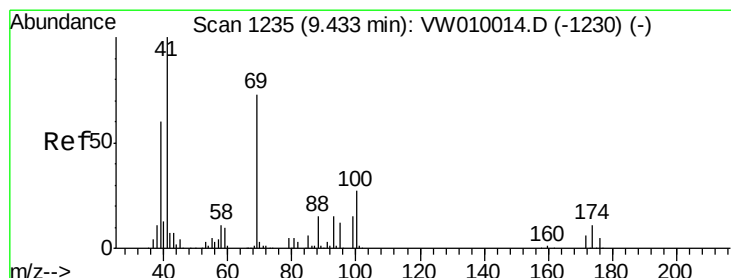
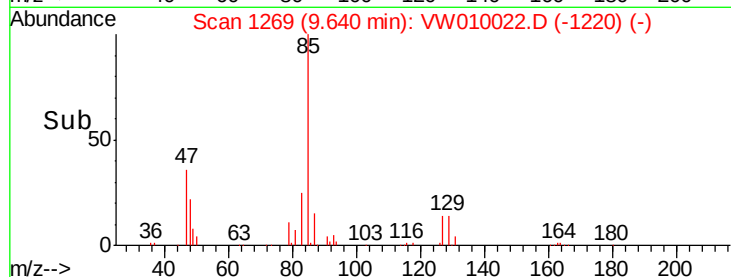
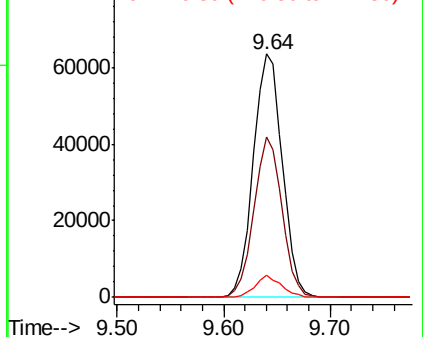
#47
Bromodichloromethane
Concen: 19.076 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tgt Ion: 83 Resp: 121694
Ion Ratio Lower Upper
83 100
85 65.8 50.6 75.8
127 8.9 6.6 10.0

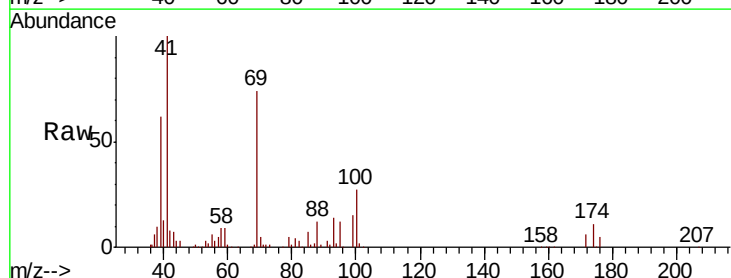


Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50): VW

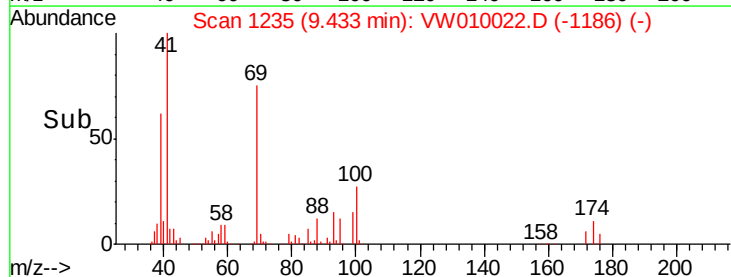
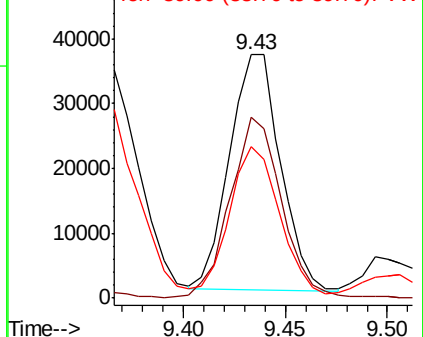


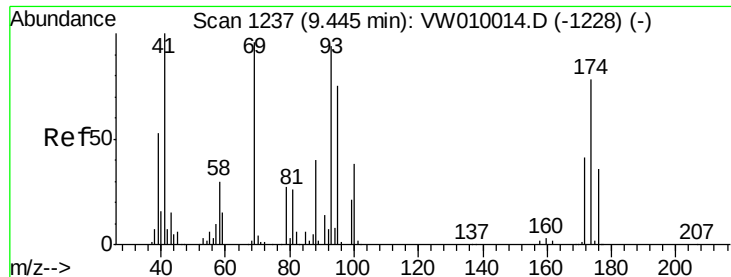
#48
Methyl methacrylate
Concen: 20.580 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 41 Resp: 63286
Ion Ratio Lower Upper
41 100
69 77.9 60.1 90.1
39 63.5 51.0 76.6



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





#49

1,4-Dioxane

Concen: 401.107 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBSD01

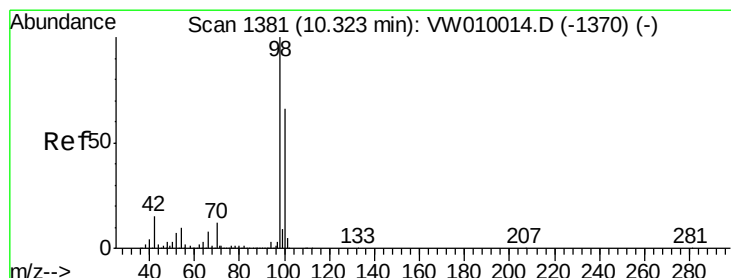
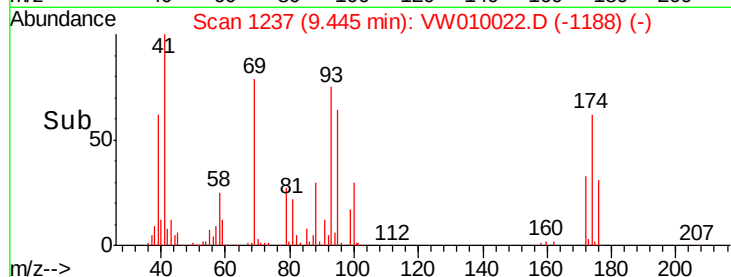
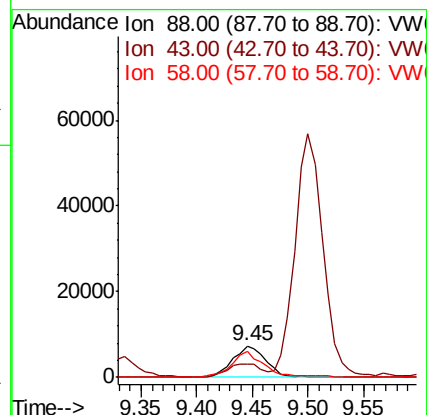
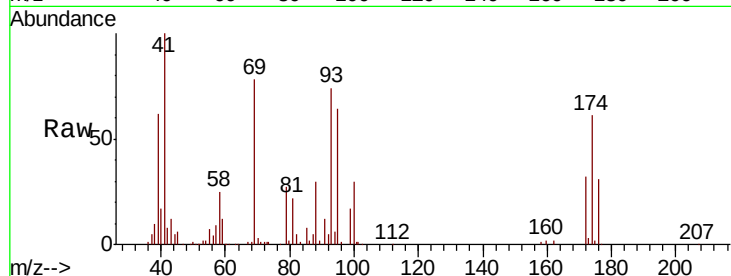
Tgt Ion: 88 Resp: 15146

Ion Ratio Lower Upper

88 100

43 41.0 31.9 47.9

58 78.9 61.8 92.6



#50

Toluene-d8

Concen: 52.239 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW010022.D

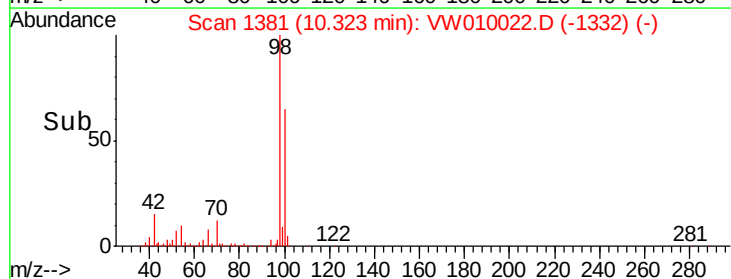
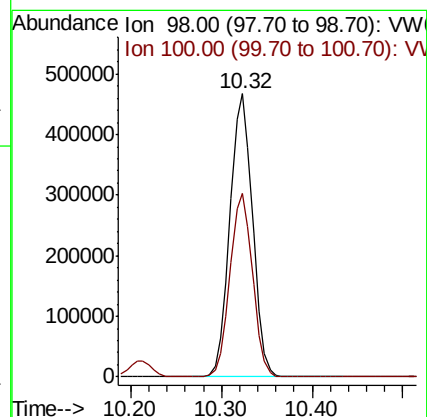
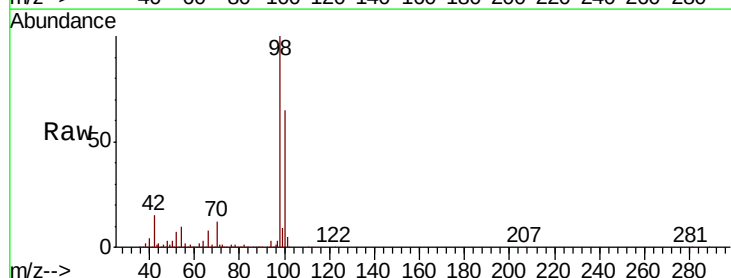
Acq: 17 Apr 2019 18:02

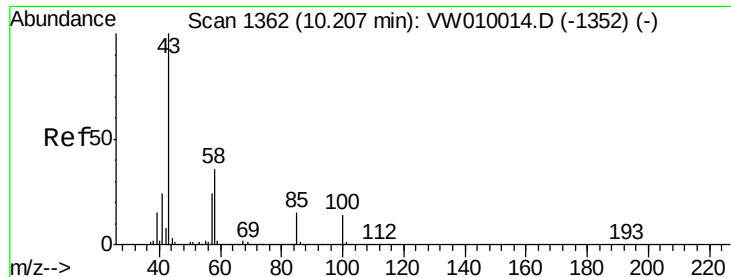
Tgt Ion: 98 Resp: 808273

Ion Ratio Lower Upper

98 100

100 64.6 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 111.003 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

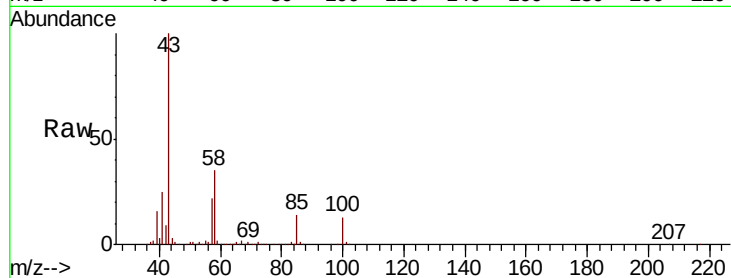
VW0417SBSD01

Tgt Ion: 43 Resp: 367270

Ion Ratio Lower Upper

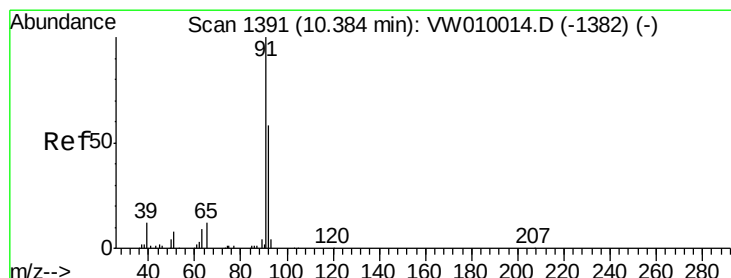
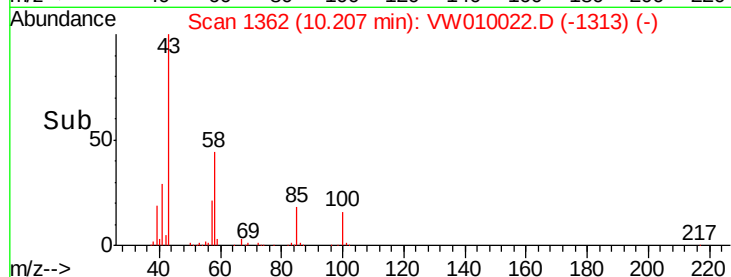
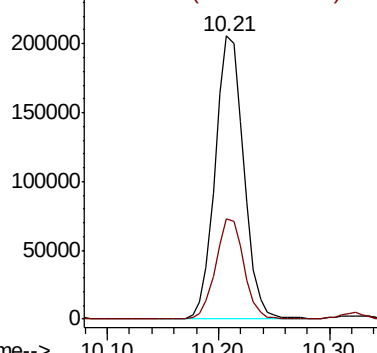
43 100

58 34.8 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 19.360 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW010022.D

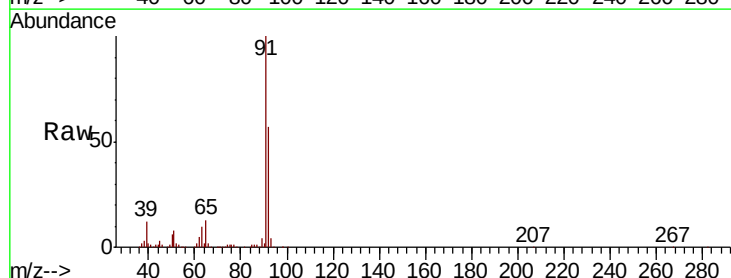
Acq: 17 Apr 2019 18:02

Tgt Ion: 92 Resp: 218761

Ion Ratio Lower Upper

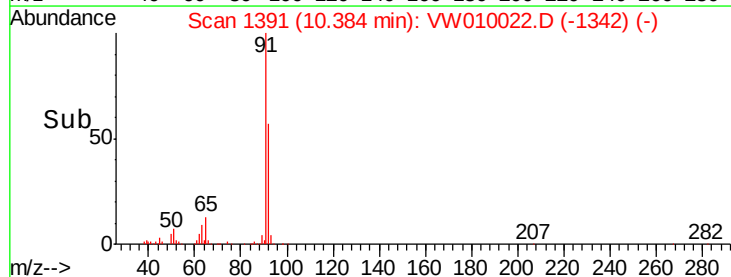
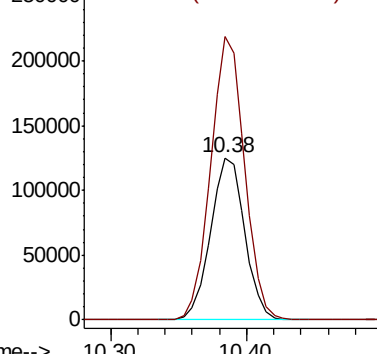
92 100

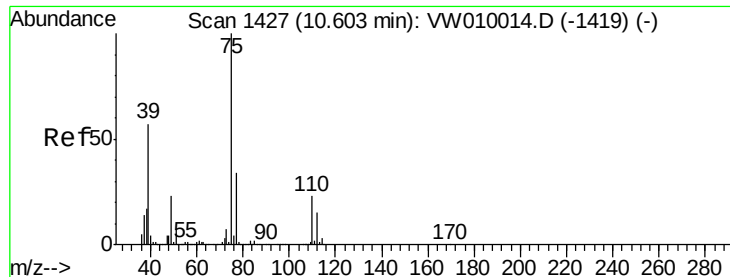
91 173.6 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 19.312 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

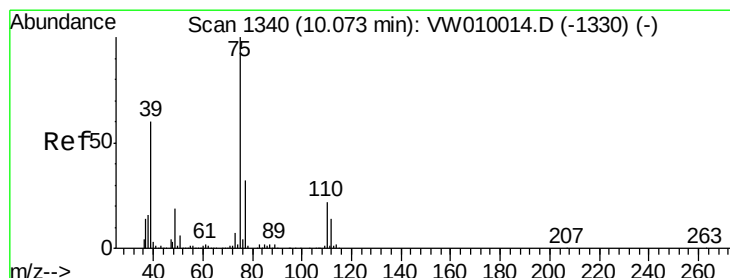
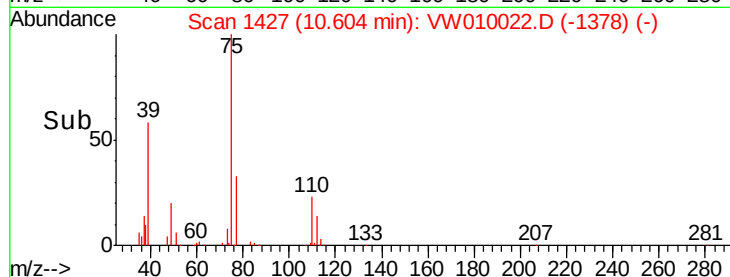
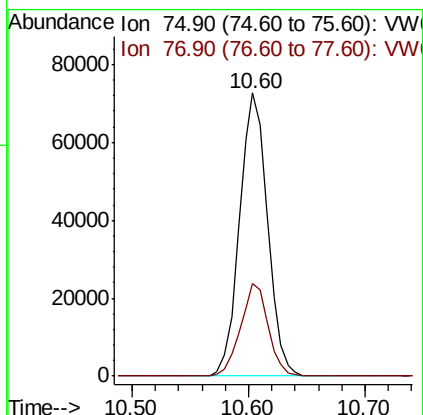
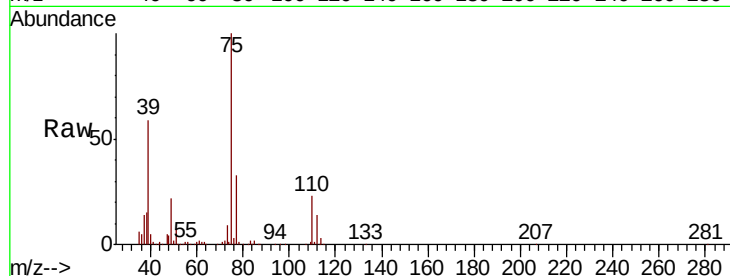
VW0417SBSD01

Tgt Ion: 75 Resp: 122143

Ion Ratio Lower Upper

75 100

77 32.8 26.9 40.3



#54

cis-1,3-Dichloropropene

Concen: 18.890 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

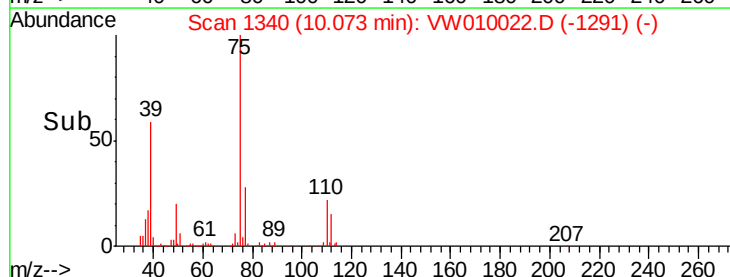
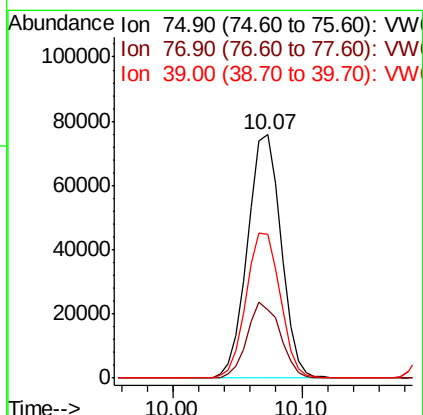
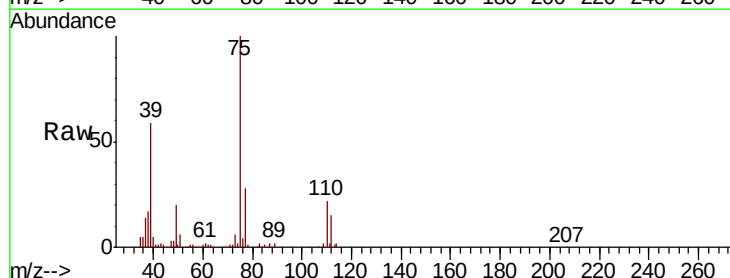
Tgt Ion: 75 Resp: 136426

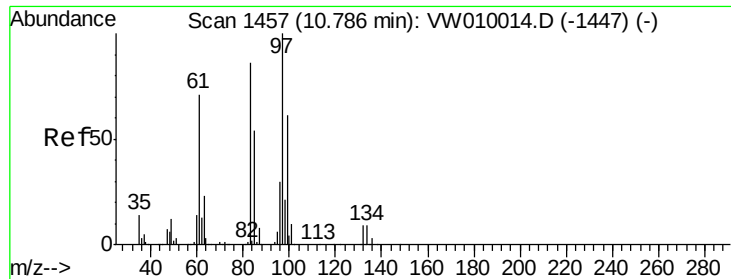
Ion Ratio Lower Upper

75 100

77 28.2 25.6 38.4

39 59.1 47.8 71.6

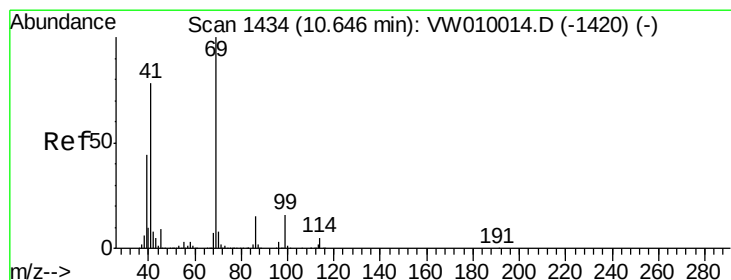
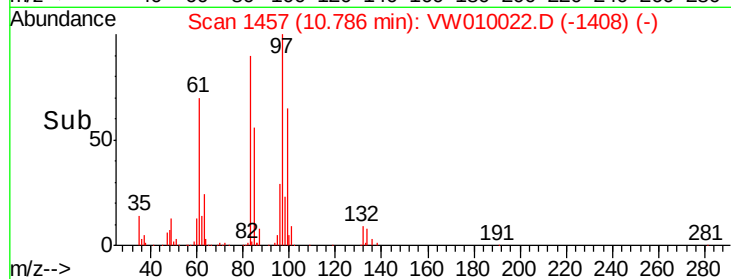
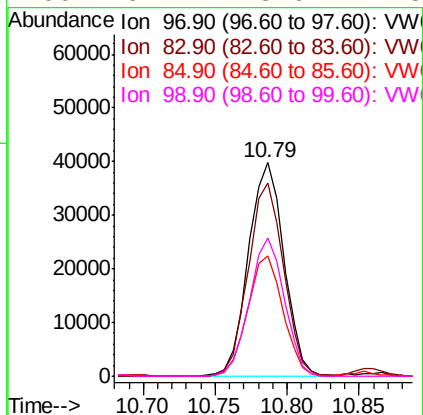
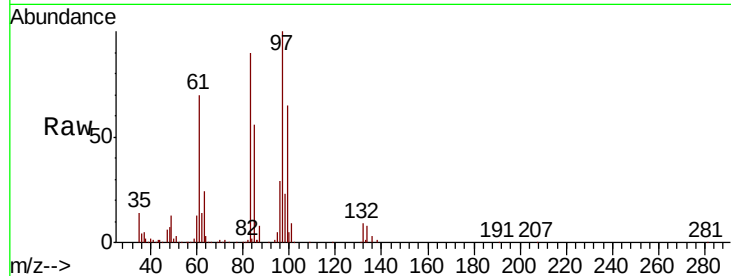




#55
 1,1,2-Trichloroethane
 Concen: 19.726 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

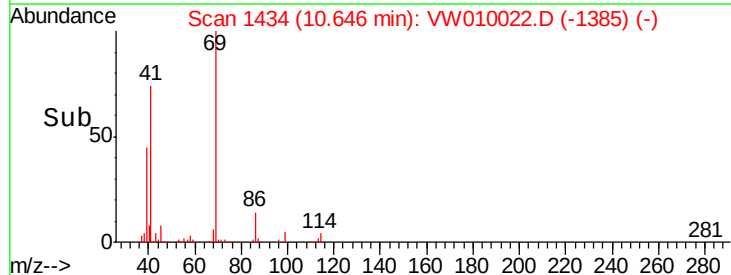
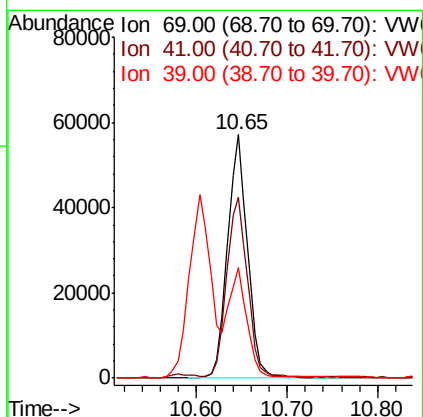
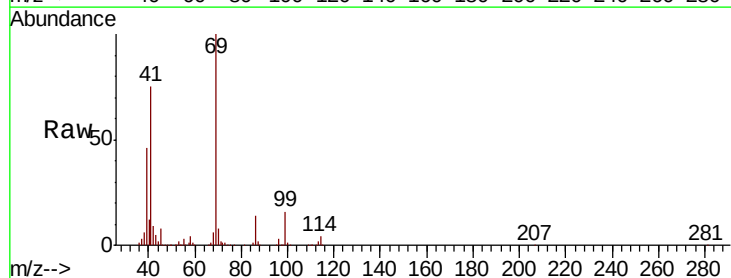
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBS01

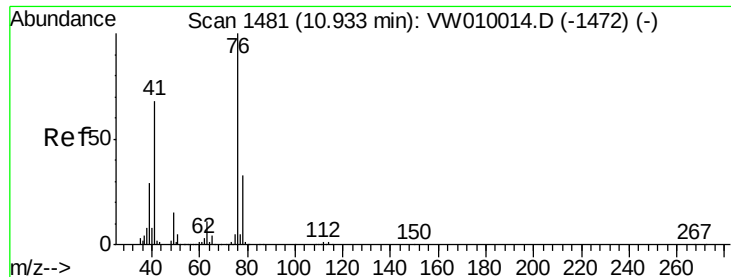
Tgt Ion:	97	Resp:	68039
Ion	Ratio	Lower	Upper
97	100		
83	90.2	68.9	103.3
85	56.1	42.9	64.3
99	64.7	48.6	72.8



#56
 Ethyl methacrylate
 Concen: 19.941 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion:	69	Resp:	87480
Ion	Ratio	Lower	Upper
69	100		
41	77.1	61.0	91.6
39	40.9	33.8	50.6





#57

1,3-Dichloropropane

Concen: 19.592 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

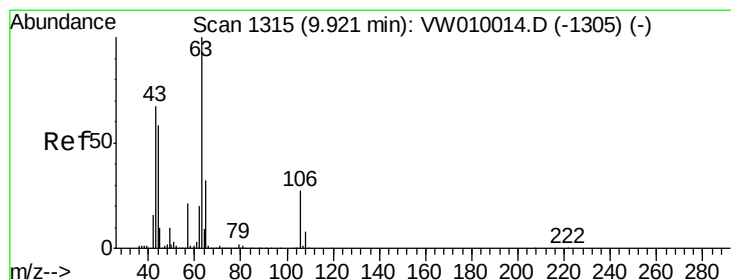
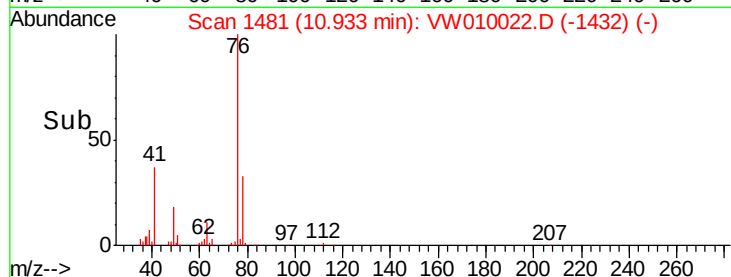
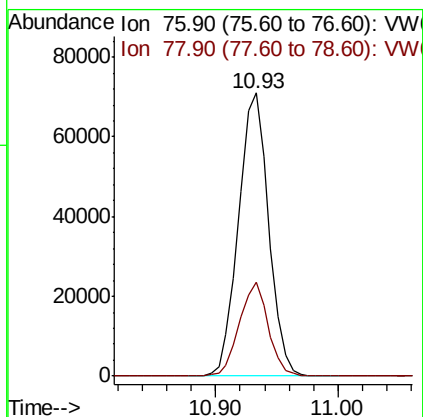
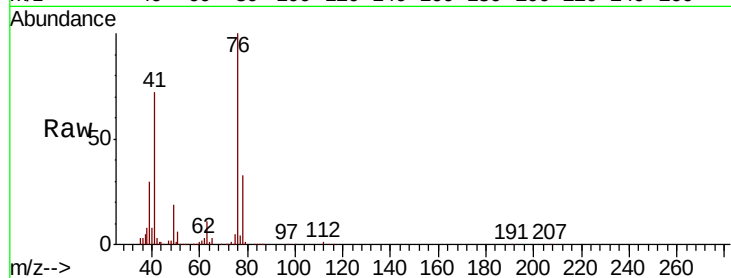
VW0417SBSD01

Tgt Ion: 76 Resp: 121125

Ion Ratio Lower Upper

76 100

78 32.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 107.426 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW010022.D

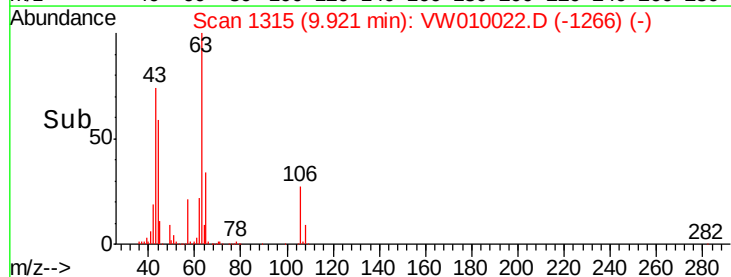
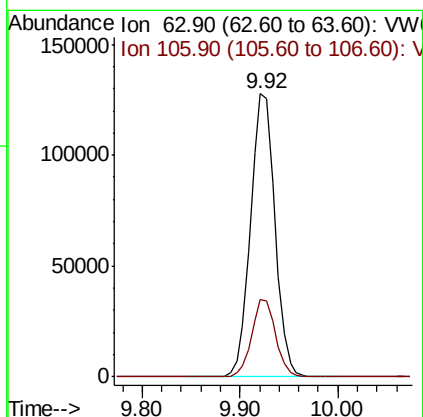
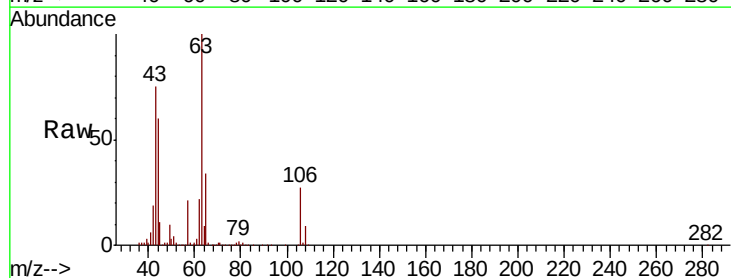
Acq: 17 Apr 2019 18:02

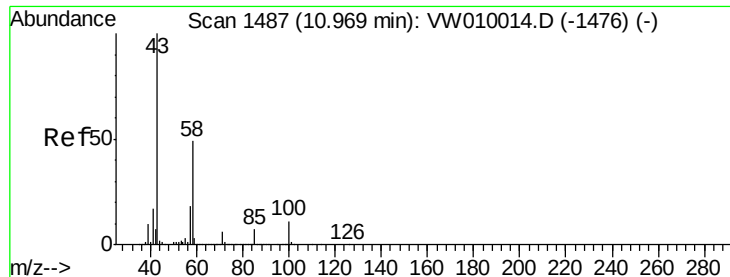
Tgt Ion: 63 Resp: 221410

Ion Ratio Lower Upper

63 100

106 26.8 21.4 32.0

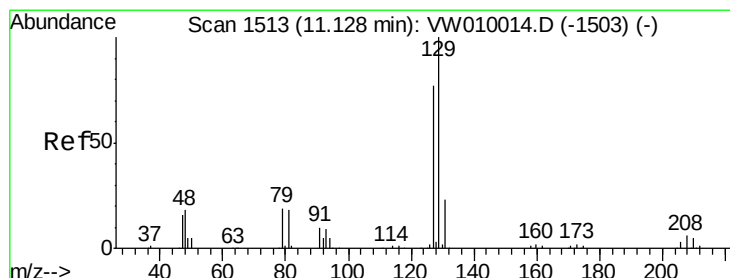
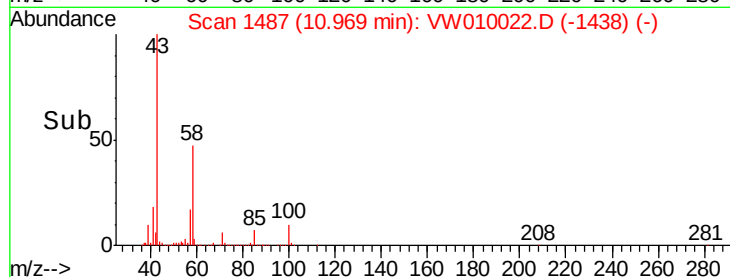
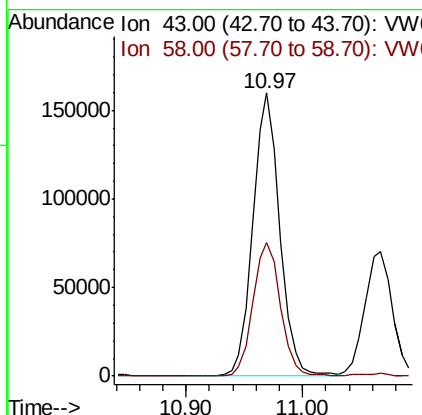
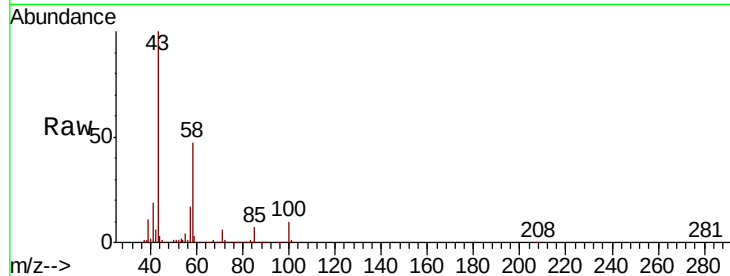




#59
2-Hexanone
Concen: 110.921 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

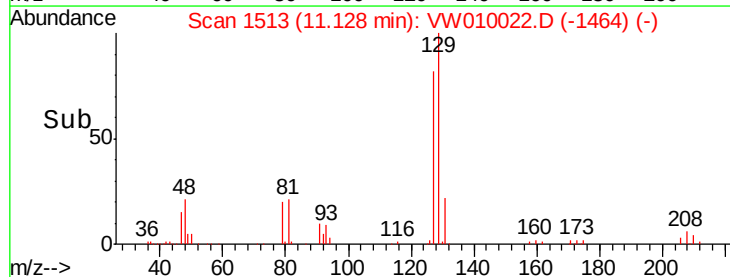
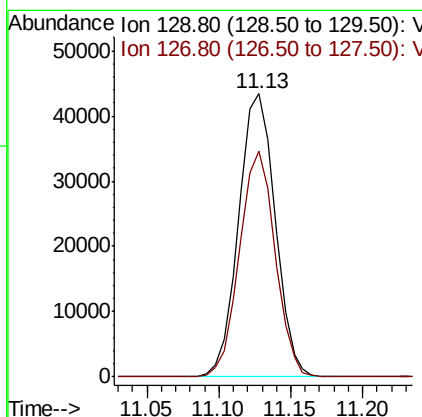
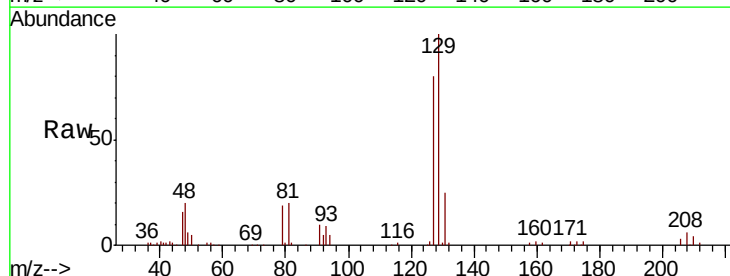
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

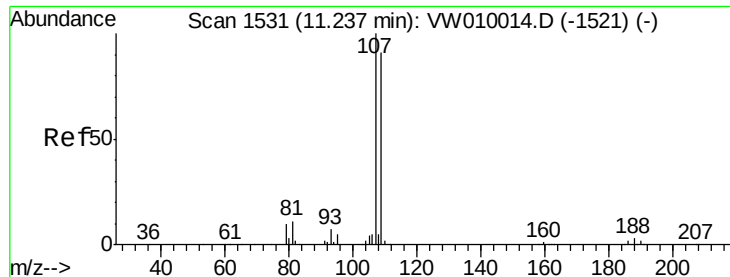
Tgt Ion: 43 Resp: 255472
Ion Ratio Lower Upper
43 100
58 48.4 24.9 74.7



#60
Dibromochloromethane
Concen: 19.203 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 129 Resp: 76553
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 19.681 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

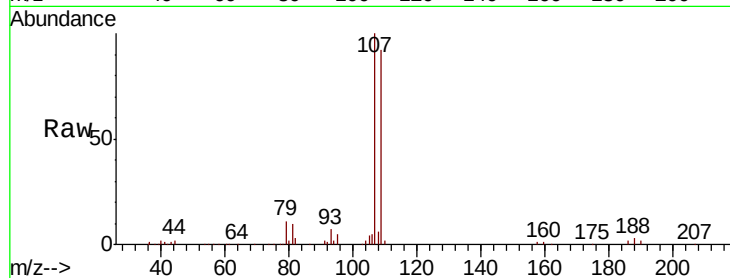
VW0417SBSD01

Tgt Ion: 107 Resp: 64578

Ion Ratio Lower Upper

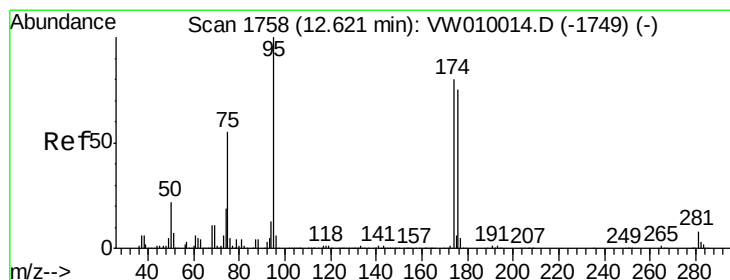
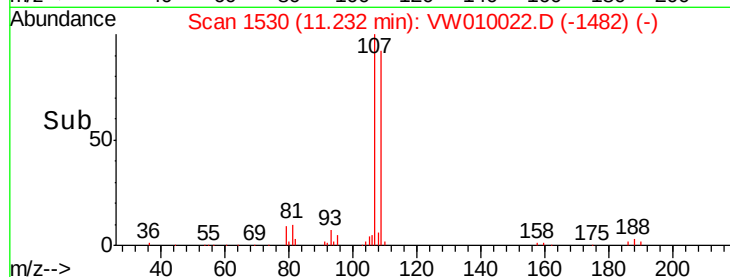
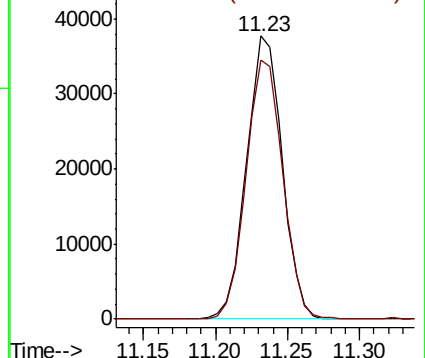
107 100

109 94.1 73.6 110.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 52.125 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

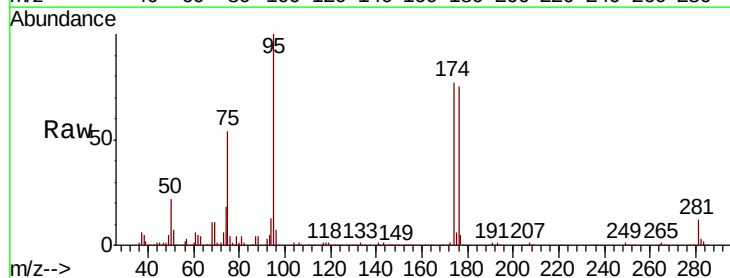
Tgt Ion: 95 Resp: 293162

Ion Ratio Lower Upper

95 100

174 74.8 0.0 151.4

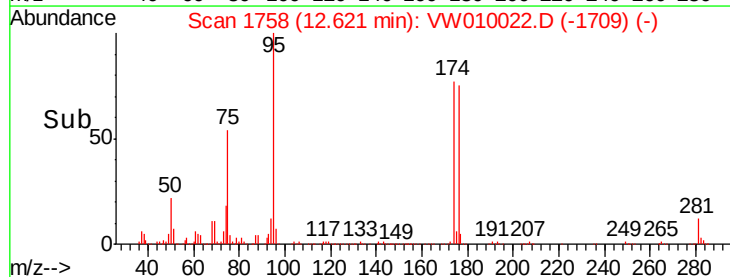
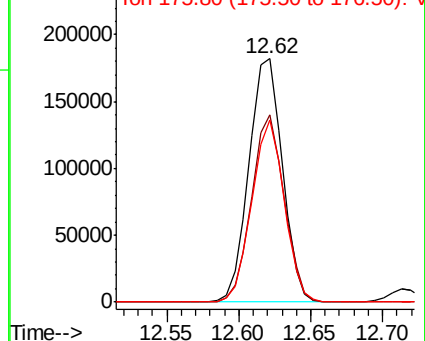
176 72.2 0.0 146.2

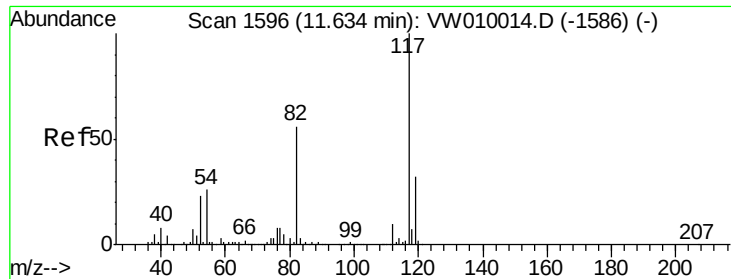


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

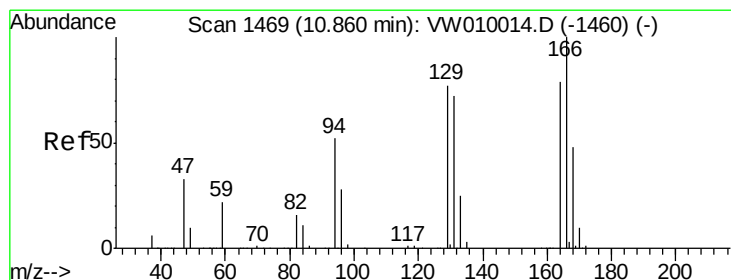
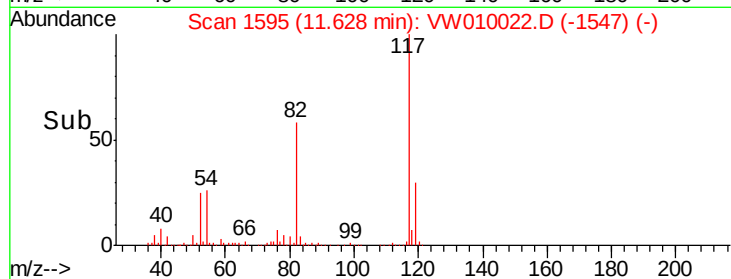
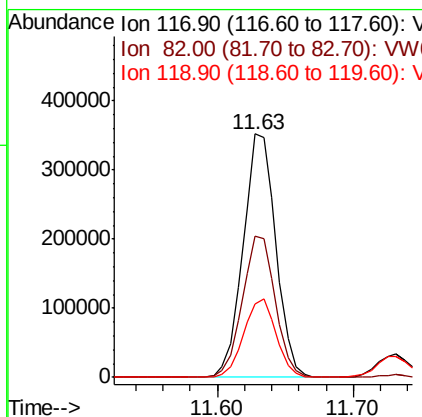
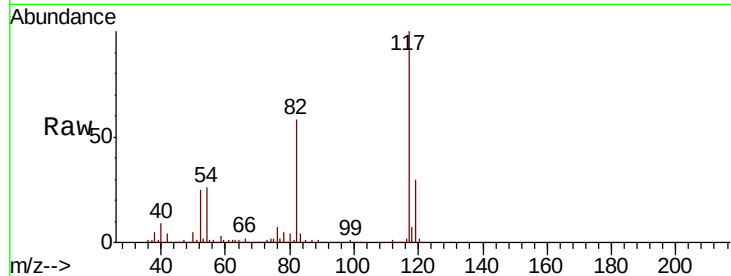




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

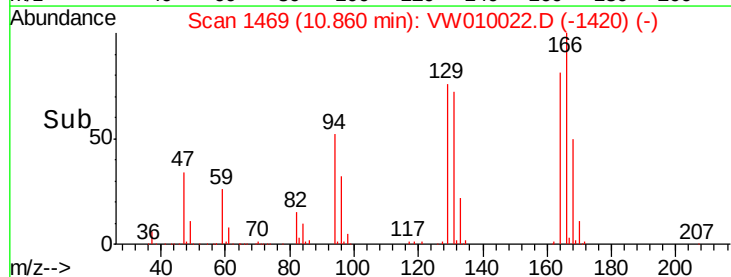
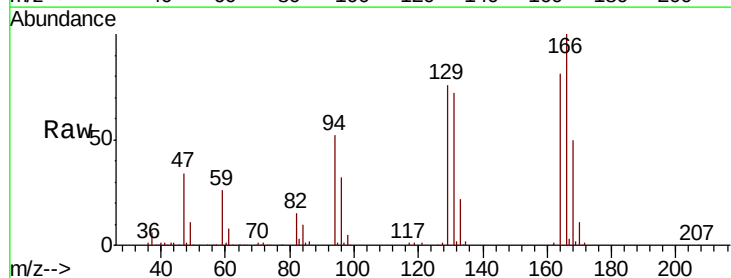
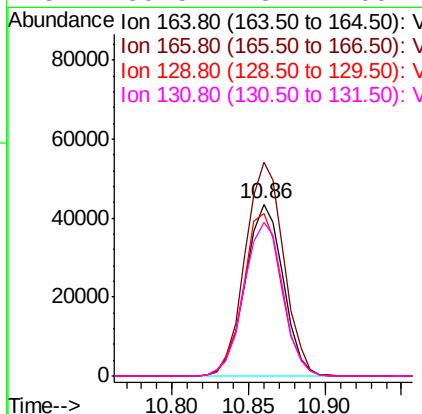
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

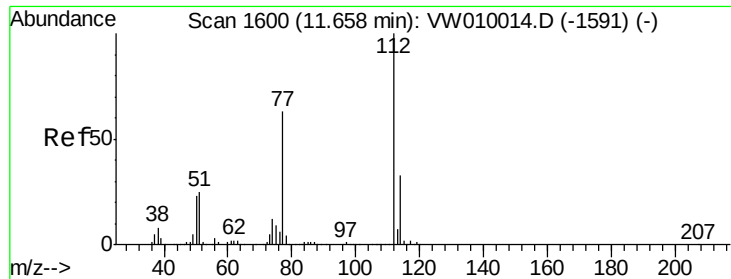
Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.2	67.8
119	30.4	25.4	38.2



#64
Tetrachloroethene
Concen: 19.554 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.1	101.2	151.8
129	94.3	77.8	116.6
131	89.5	73.1	109.7

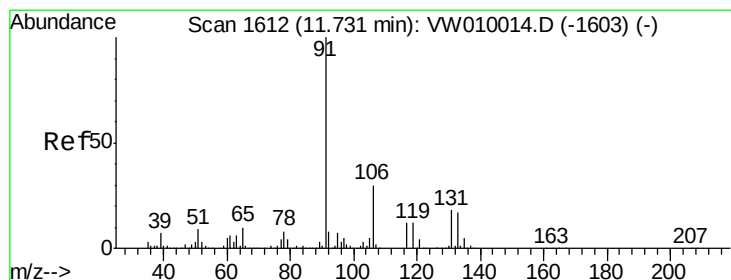
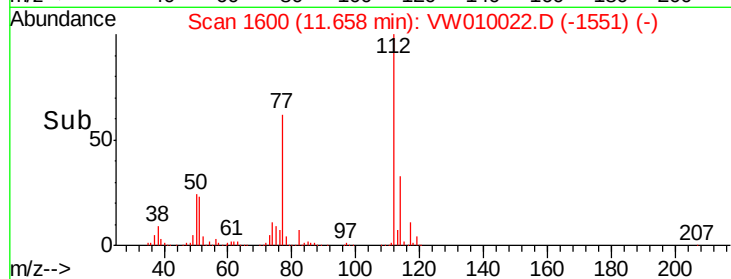
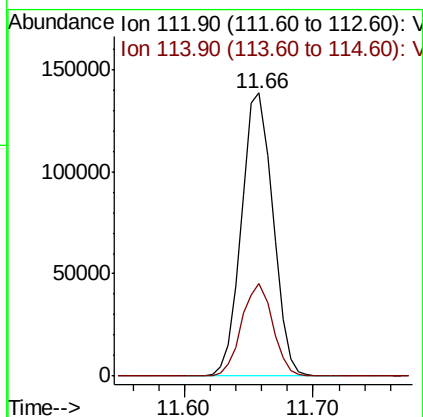
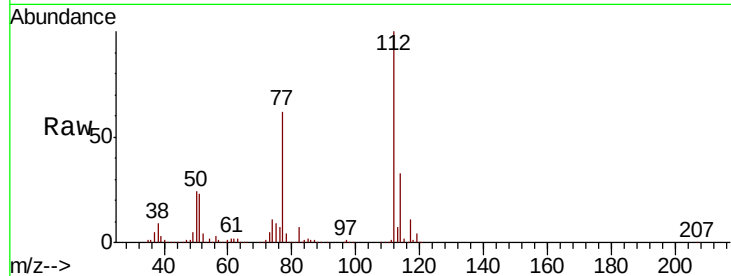




#65
Chlorobenzene
Concen: 19.277 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

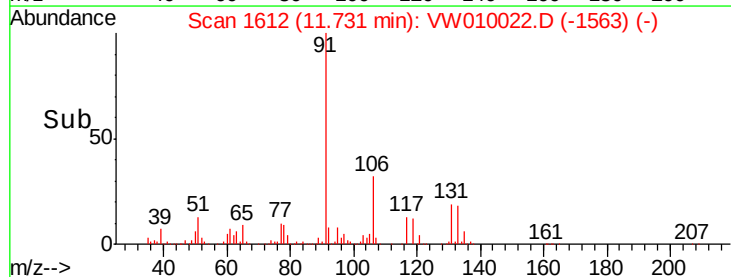
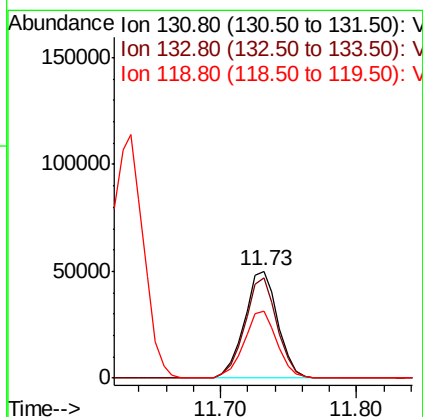
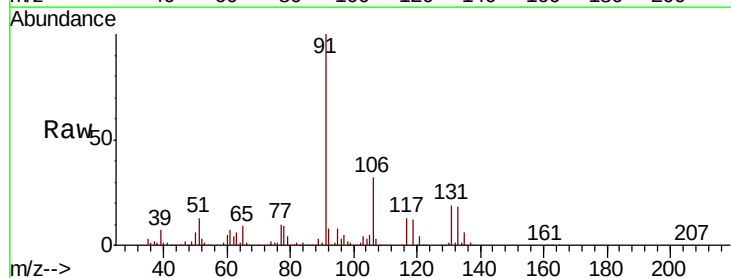
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

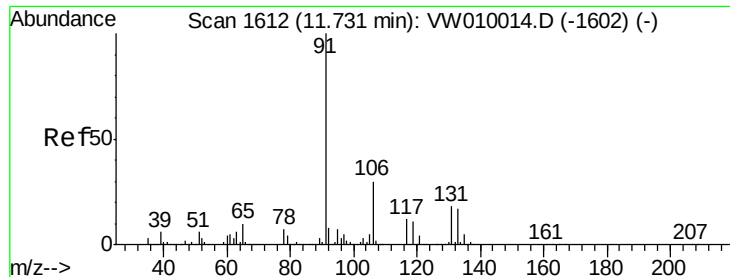
Tgt Ion:112 Resp: 233267
Ion Ratio Lower Upper
112 100
114 32.8 26.5 39.7



#66
1,1,1,2-Tetrachloroethane
Concen: 19.768 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion:131 Resp: 85541
Ion Ratio Lower Upper
131 100
133 91.4 46.5 139.5
119 62.0 31.9 95.5

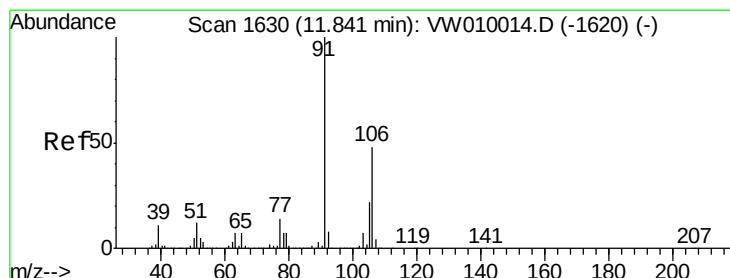
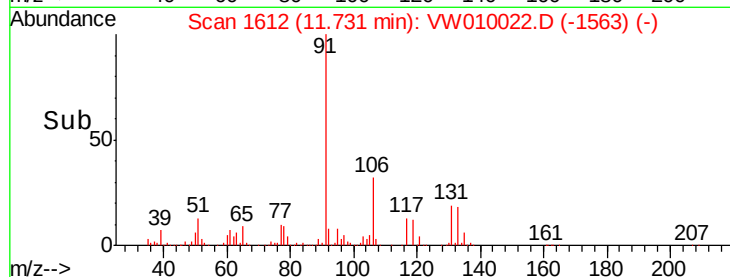
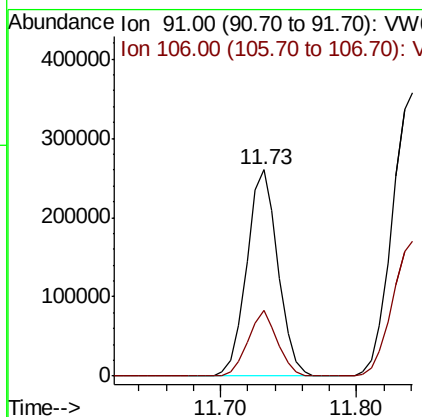
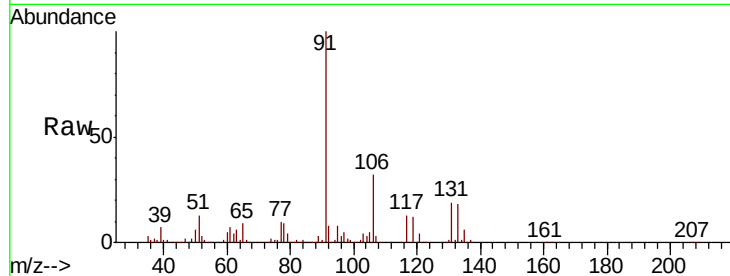




#67
Ethyl Benzene
Concen: 19.367 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

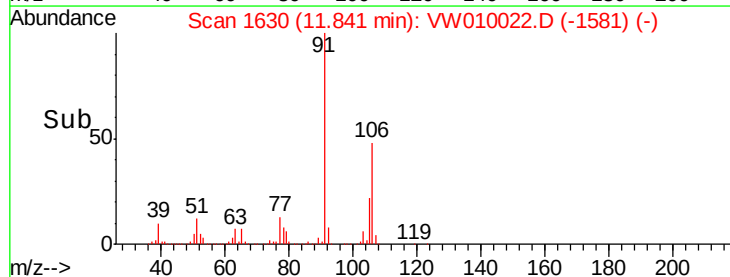
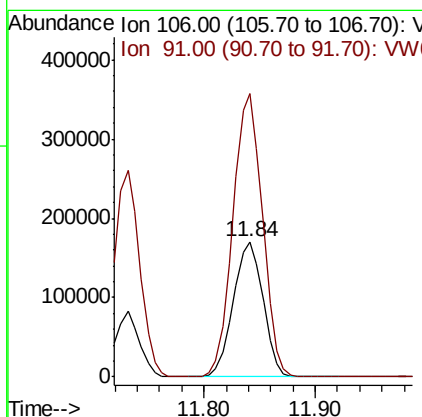
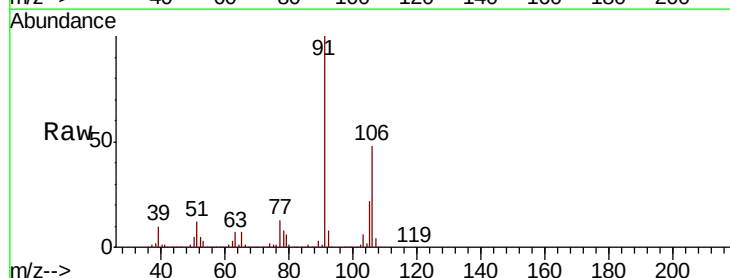
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

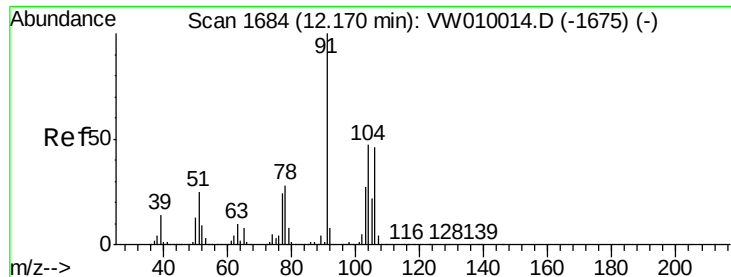
Tgt Ion: 91 Resp: 418115
Ion Ratio Lower Upper
91 100
106 31.8 23.8 35.8



#68
m/p-Xylenes
Concen: 39.068 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion: 106 Resp: 315291
Ion Ratio Lower Upper
106 100
91 208.1 165.0 247.6

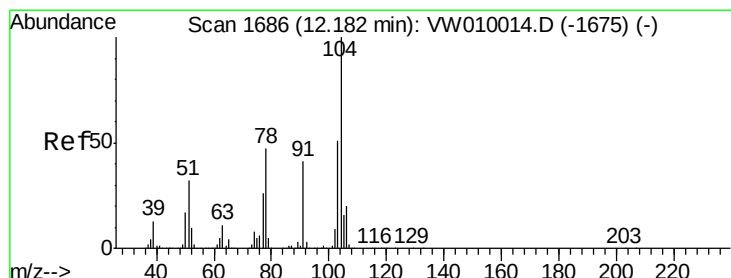
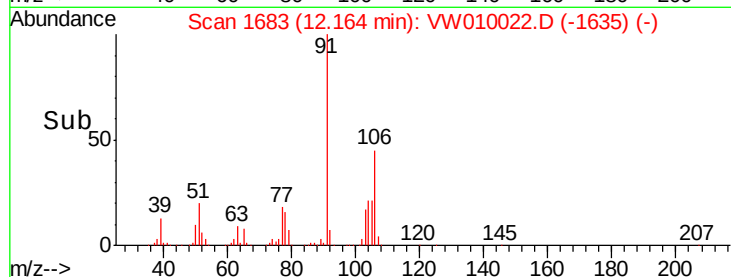
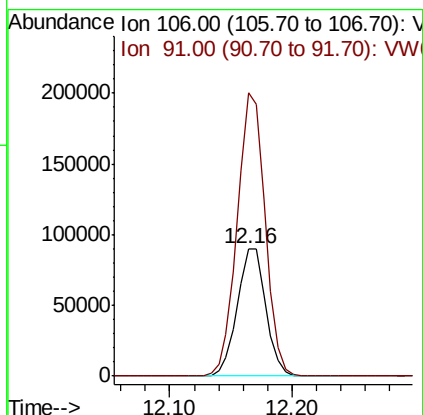
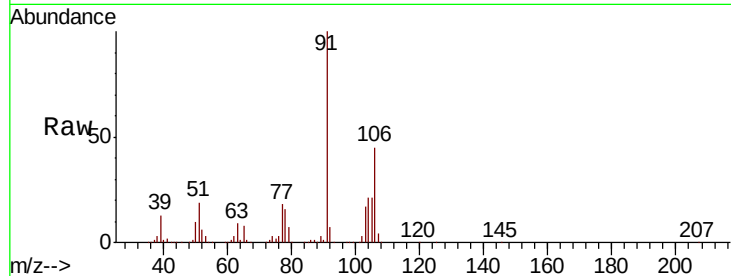




#69
o-Xylene
Concen: 19.768 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

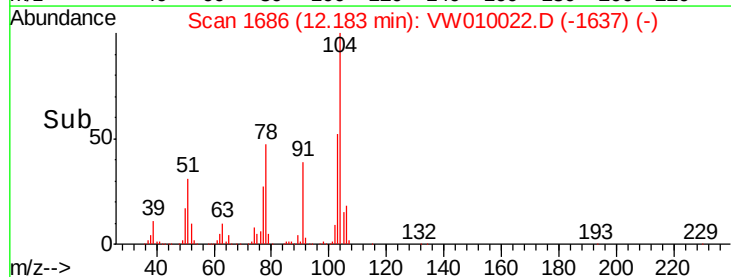
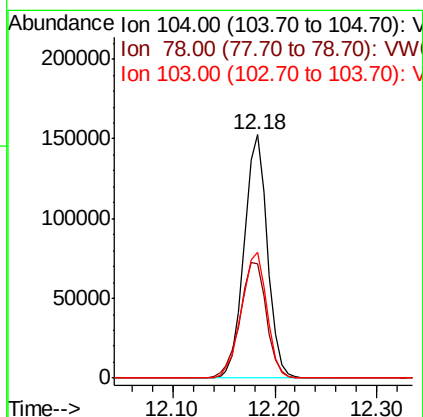
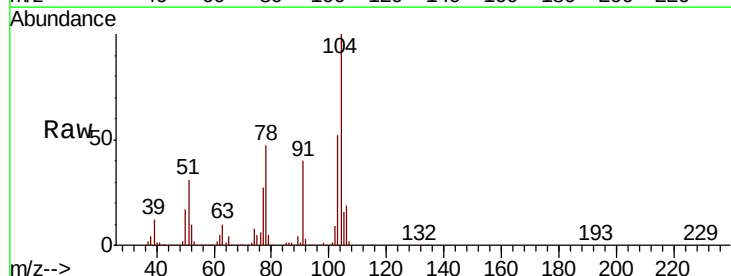
Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

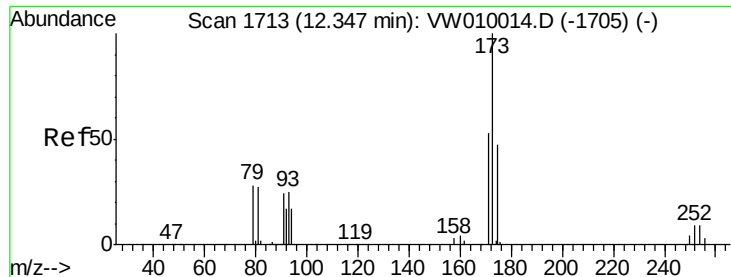
Tgt Ion:106 Resp: 145263
Ion Ratio Lower Upper
106 100
91 218.1 110.5 331.4



#70
Styrene
Concen: 19.141 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion:104 Resp: 242513
Ion Ratio Lower Upper
104 100
78 53.9 42.5 63.7
103 56.4 43.6 65.4





#71

Bromoform

Concen: 19.659 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

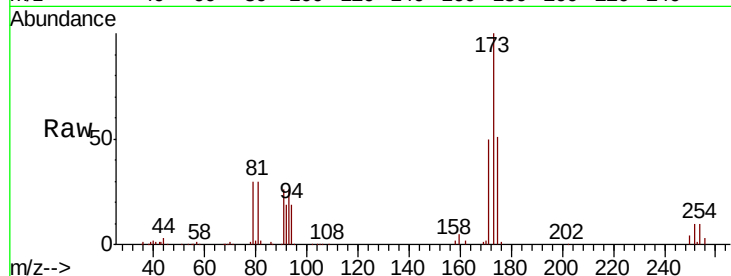
Tgt Ion:173 Resp: 44984

Ion Ratio Lower Upper

173 100

175 49.8 23.8 71.4

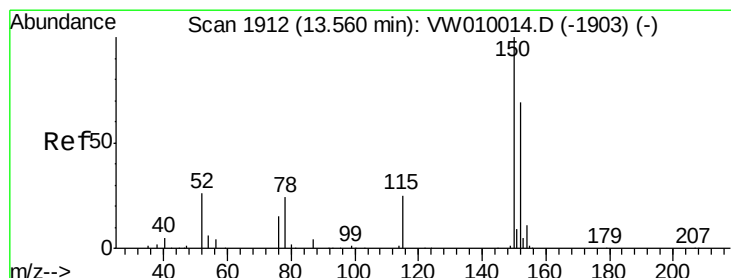
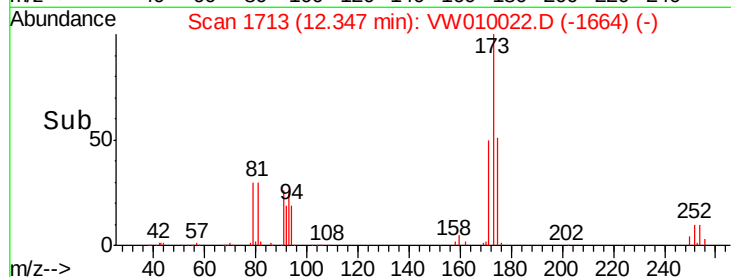
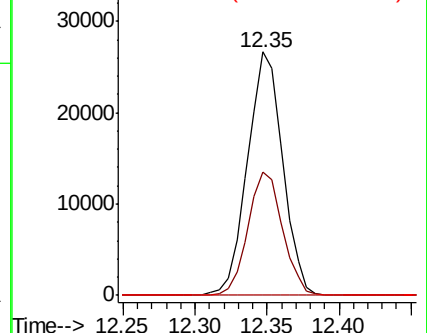
254 0.0 0.1 0.1#



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: VW010022.D

Acq: 17 Apr 2019 18:02

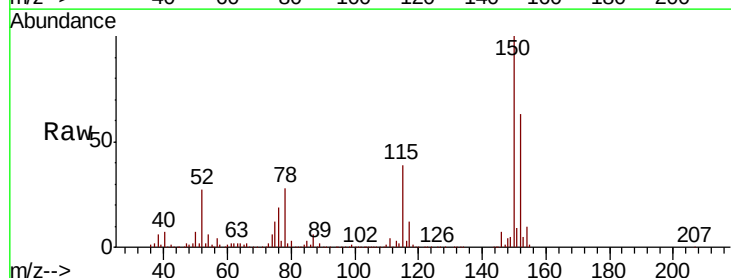
Tgt Ion:152 Resp: 301642

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

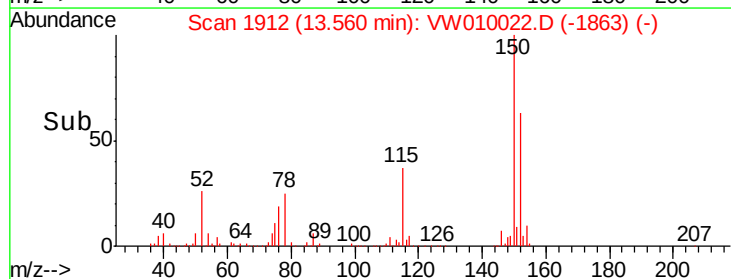
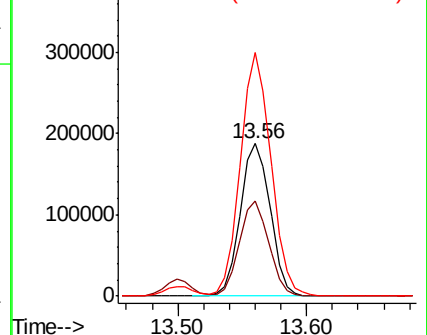
150 162.6 0.0 347.0

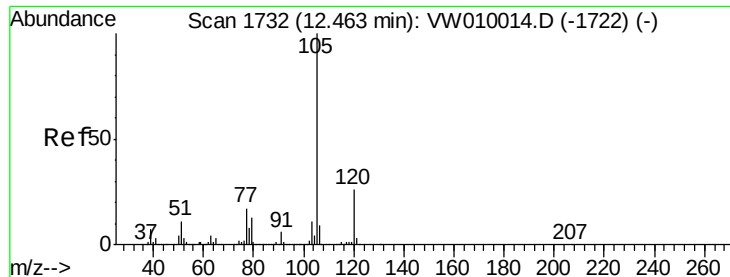


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.549 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

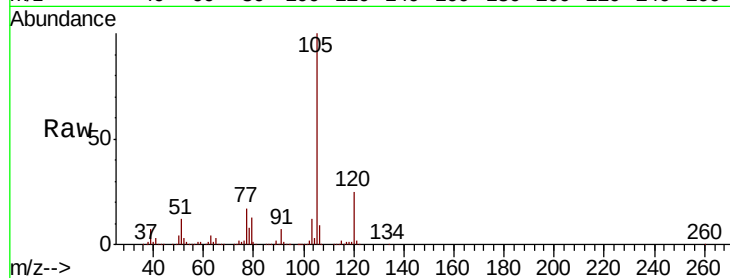
VW0417SBS01

Tgt Ion: 105 Resp: 410404

Ion Ratio Lower Upper

105 100

120 25.8 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

250000

200000

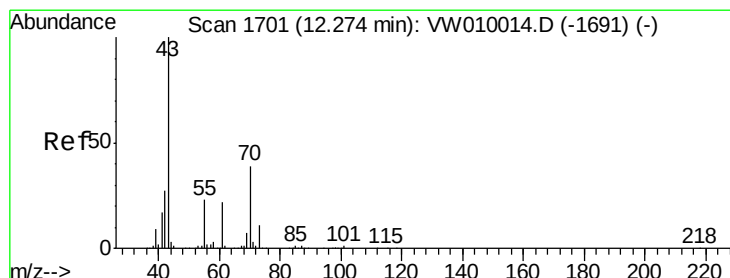
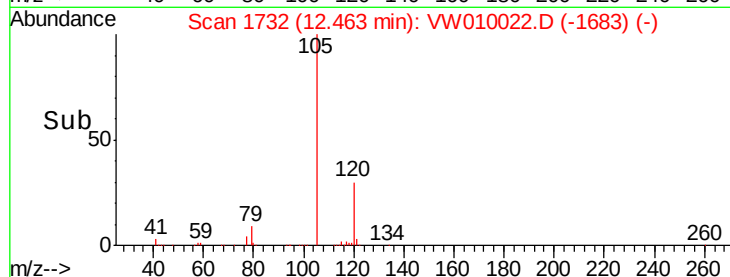
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.247 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion: 43 Resp: 123525

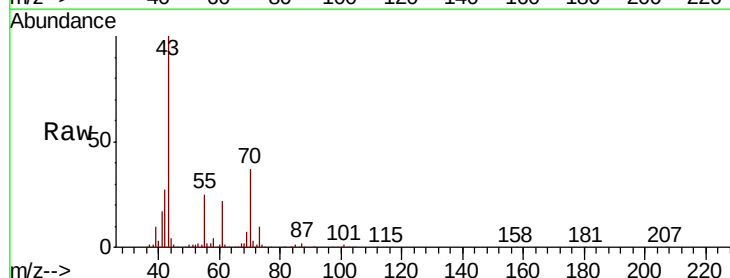
Ion Ratio Lower Upper

43 100

70 38.8 31.3 46.9

55 25.1 20.0 30.0

61 21.5 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

12.27

120000

100000

80000

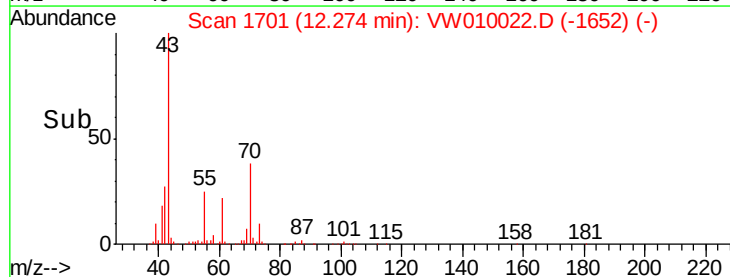
60000

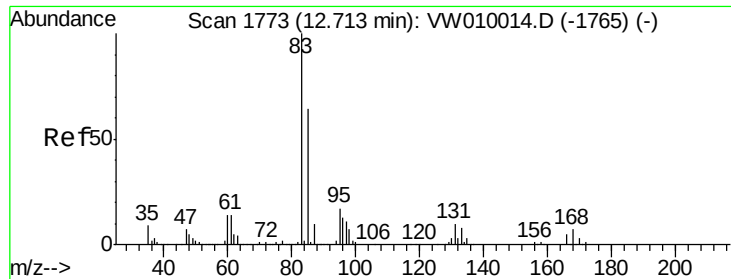
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.243 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

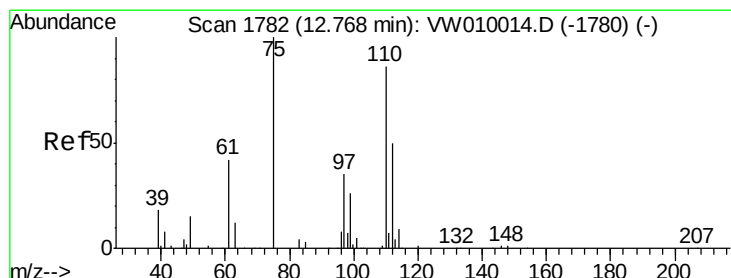
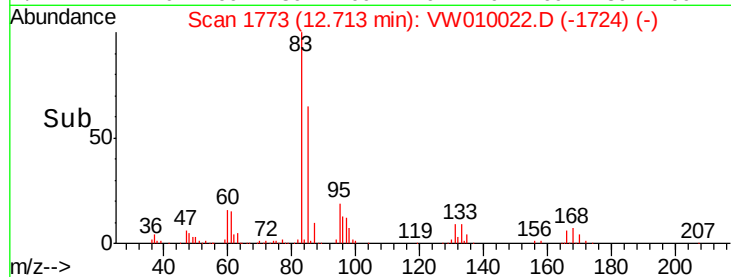
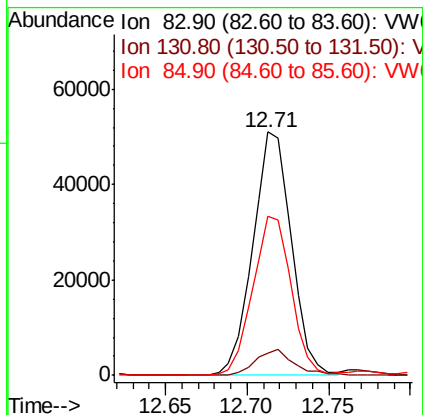
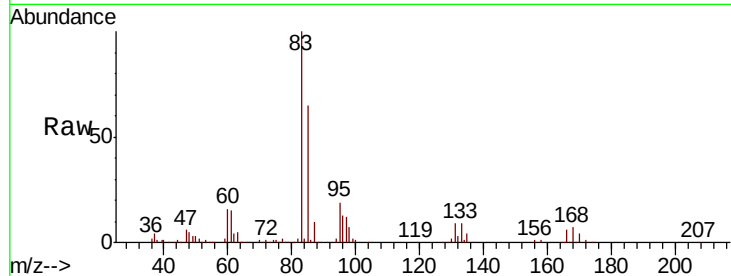
Instrument :

MSVOA_W

ClientSampled :

VW0417SBSD01

Tgt Ion:	83	Resp:	83963
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.3	15.8
85	65.0	32.0	96.2



#76

1,2,3-Trichloropropane

Concen: 38.205 ug/l

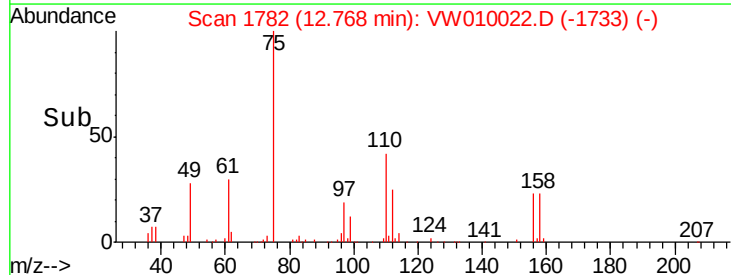
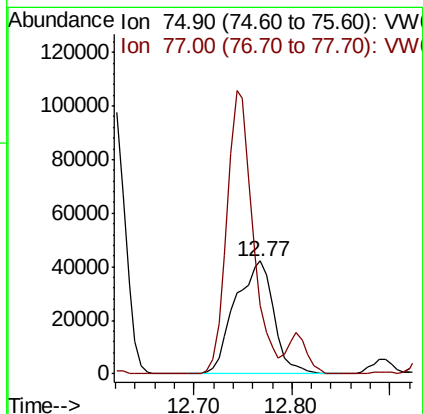
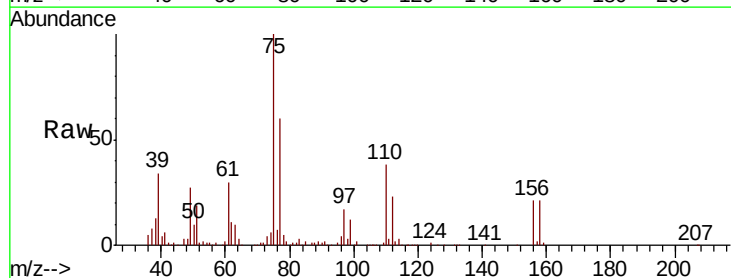
RT: 12.77 min Scan# 1782

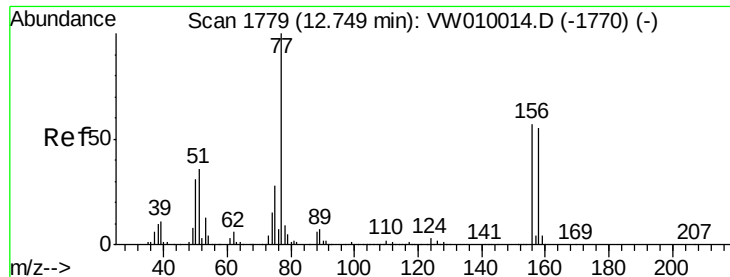
Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Tgt Ion:	75	Resp:	115341
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.729 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

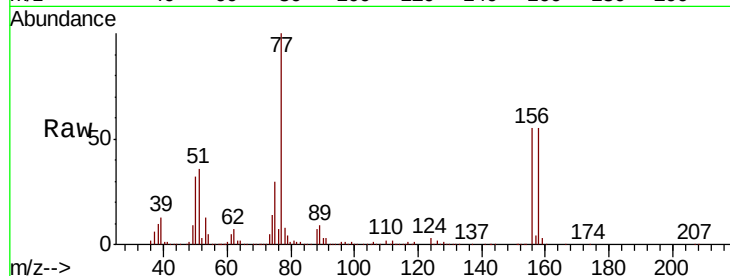
Tgt Ion:156 Resp: 95254

Ion Ratio Lower Upper

156 100

77 205.2 102.5 307.4

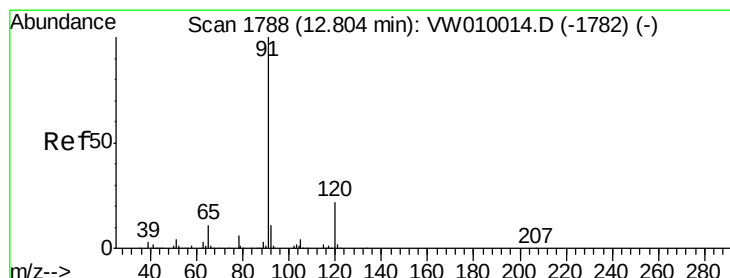
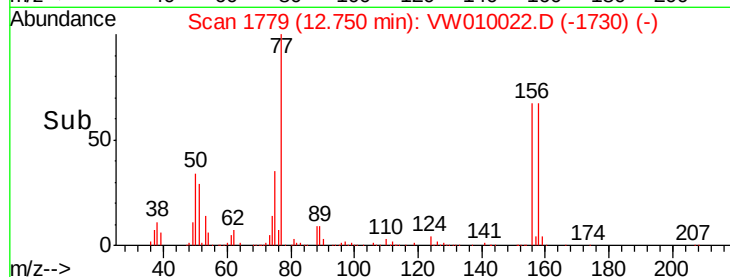
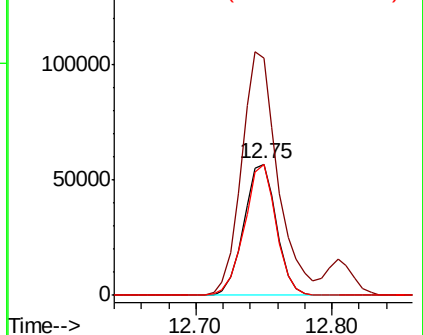
158 96.9 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.892 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW010022.D

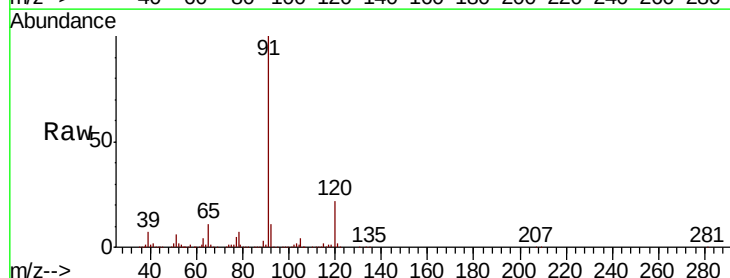
Acq: 17 Apr 2019 18:02

Tgt Ion: 91 Resp: 517561

Ion Ratio Lower Upper

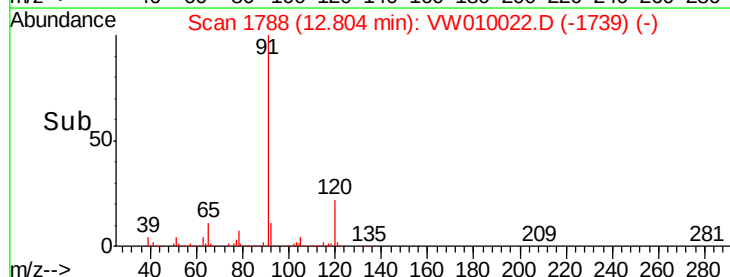
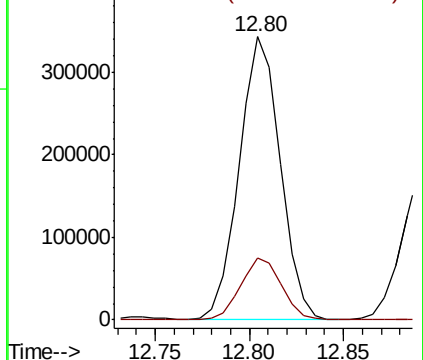
91 100

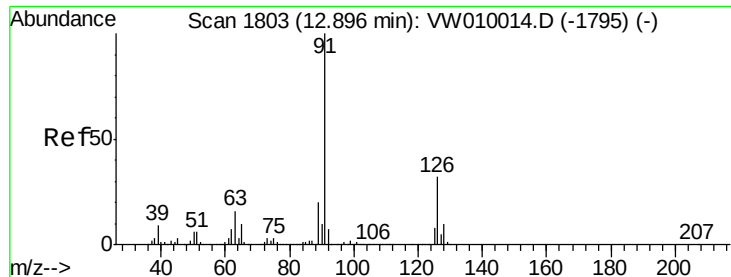
120 21.8 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.672 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

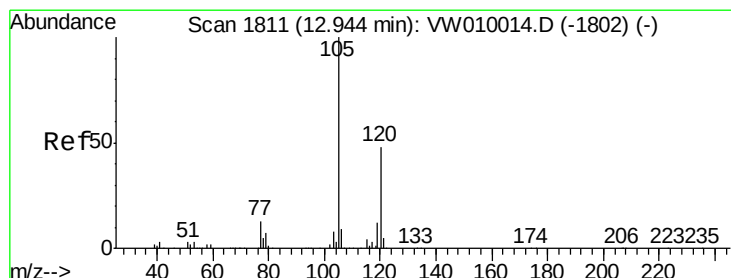
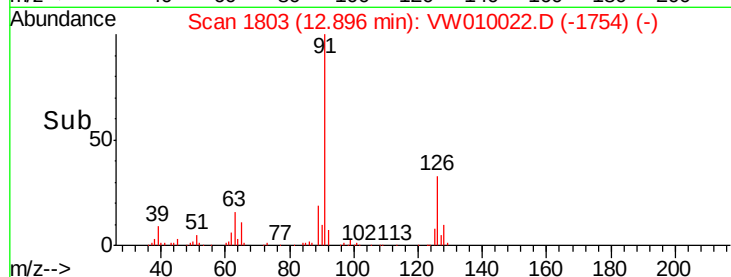
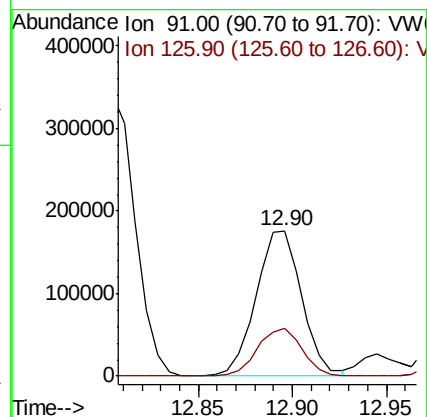
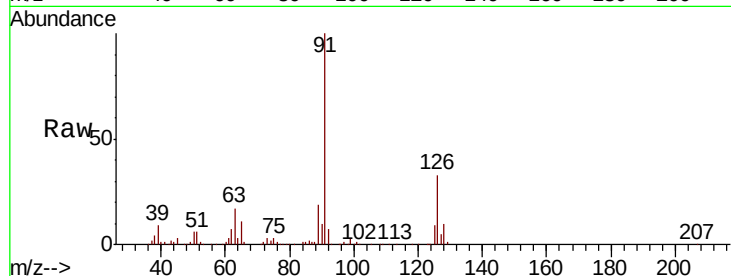
VW0417SBSD01

Tgt Ion: 91 Resp: 294371

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 19.355 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW010022.D

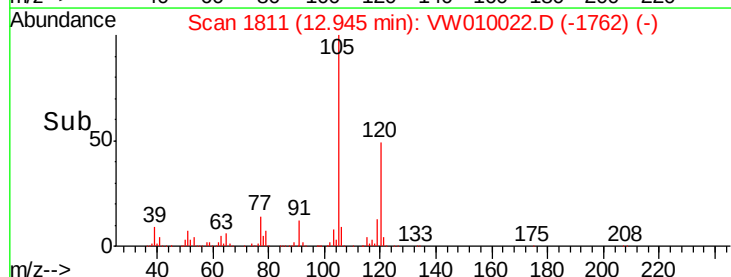
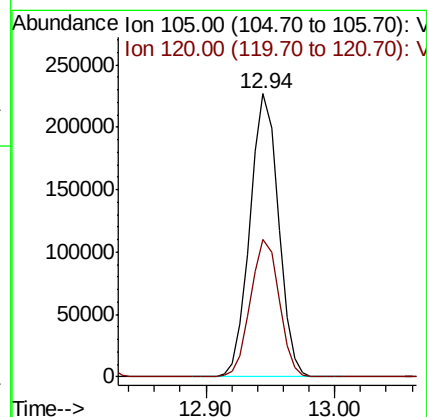
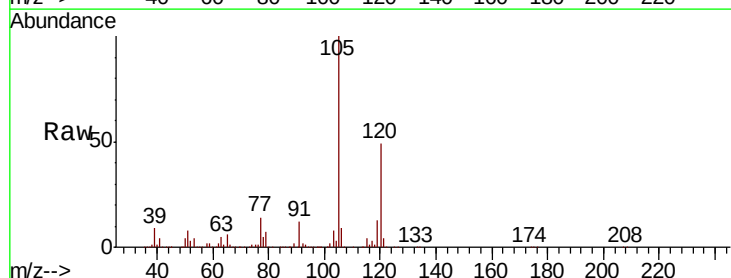
Acq: 17 Apr 2019 18:02

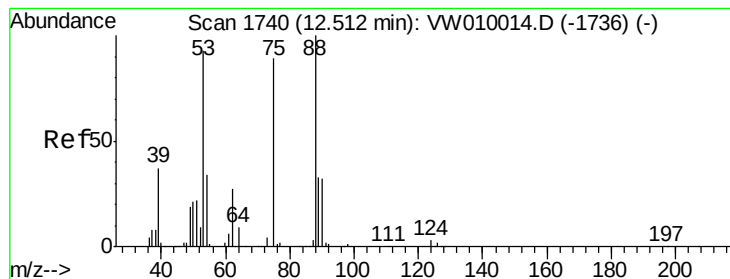
Tgt Ion: 105 Resp: 344517

Ion Ratio Lower Upper

105 100

120 49.2 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.292 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

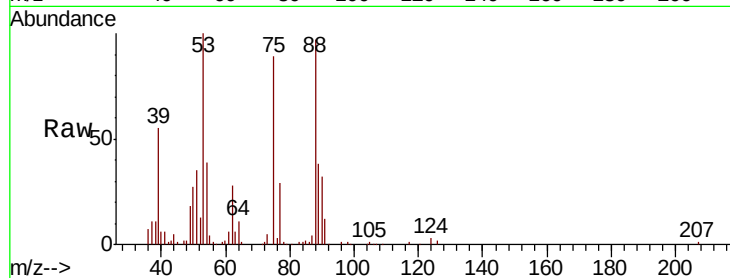
Tgt Ion: 75 Resp: 25981

Ion Ratio Lower Upper

75 100

53 116.5 89.8 134.8

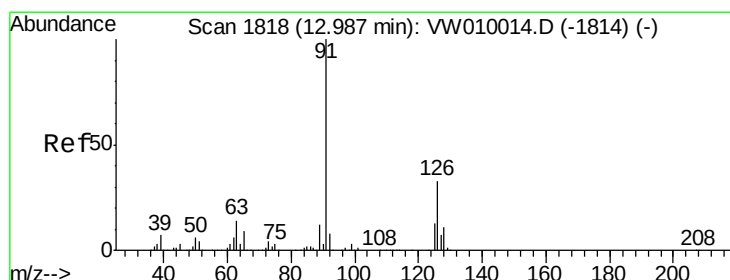
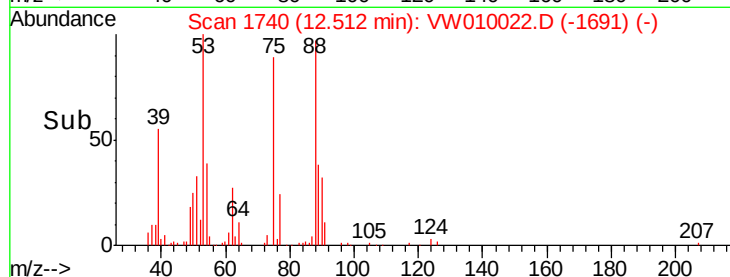
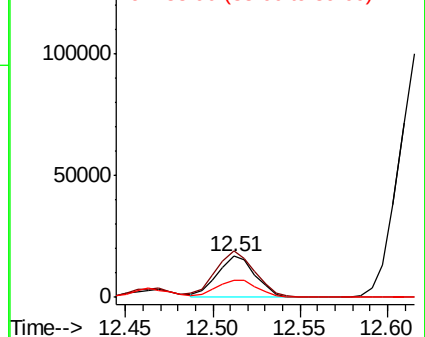
89 45.7 36.6 54.8



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: 19.854 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VW010022.D

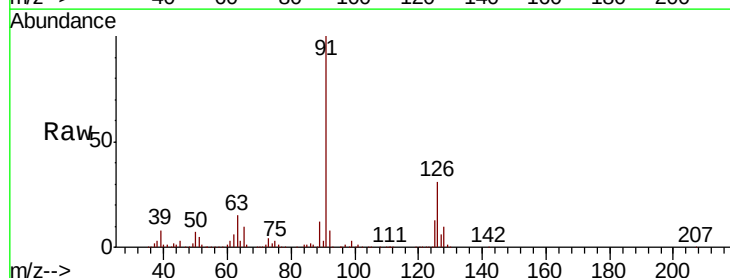
Acq: 17 Apr 2019 18:02

Tgt Ion: 91 Resp: 312690

Ion Ratio Lower Upper

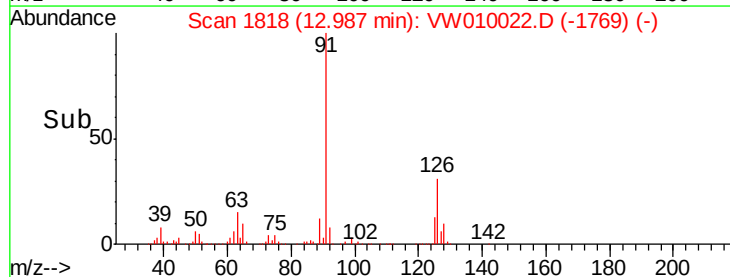
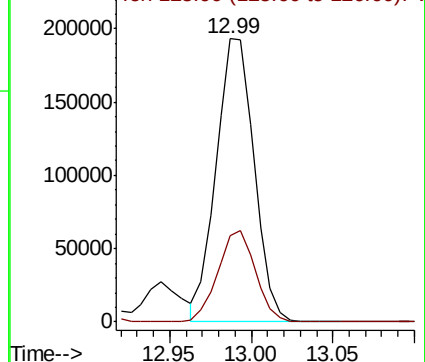
91 100

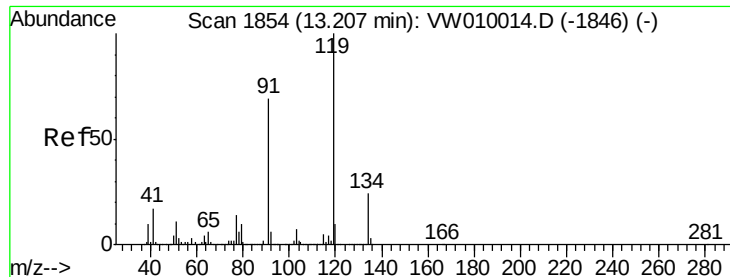
126 32.1 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

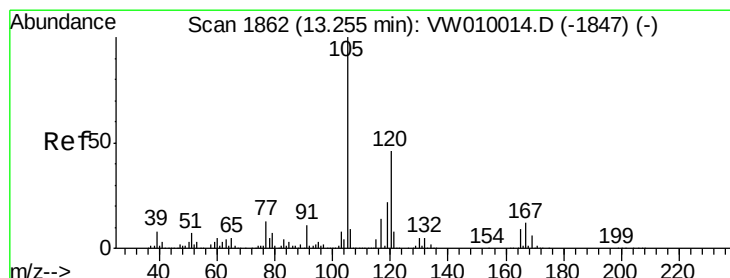
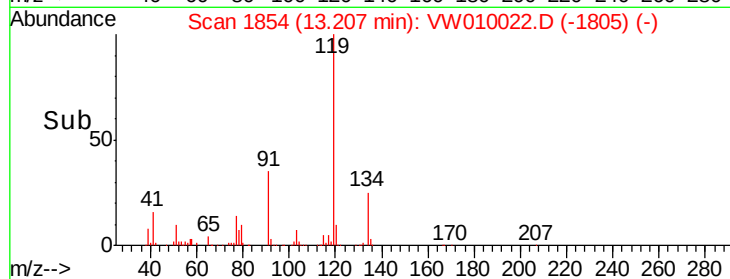
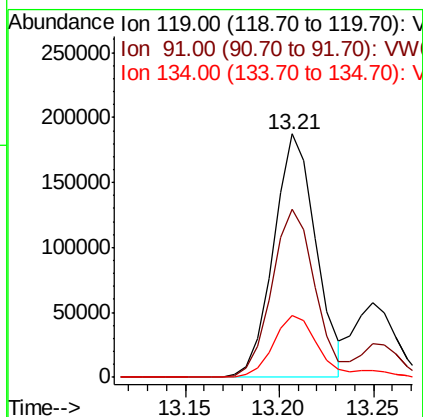
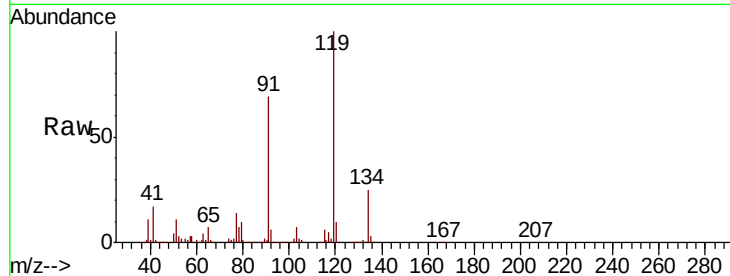




#83
 tert-Butylbenzene
 Concen: 19.804 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

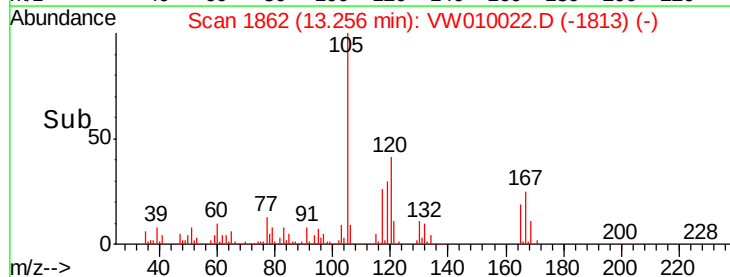
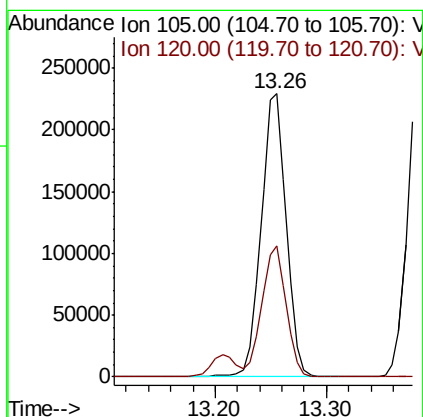
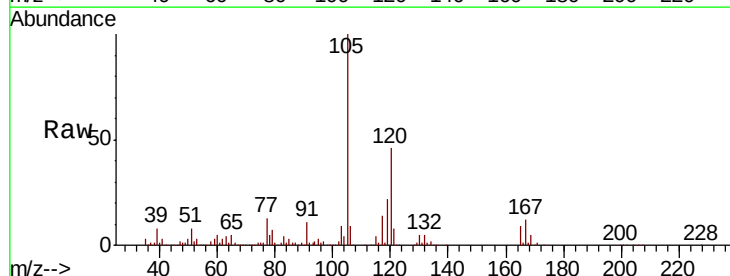
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

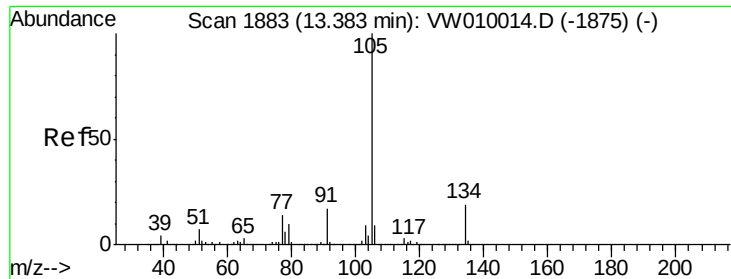
Tgt Ion:119 Resp: 291928
 Ion Ratio Lower Upper
 119 100
 91 71.2 34.8 104.4
 134 28.3 13.7 41.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.018 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion:105 Resp: 361266
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.6 67.7





#85

sec-Butylbenzene

Concen: 19.965 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

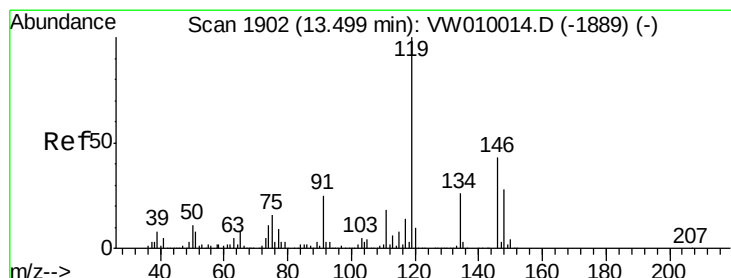
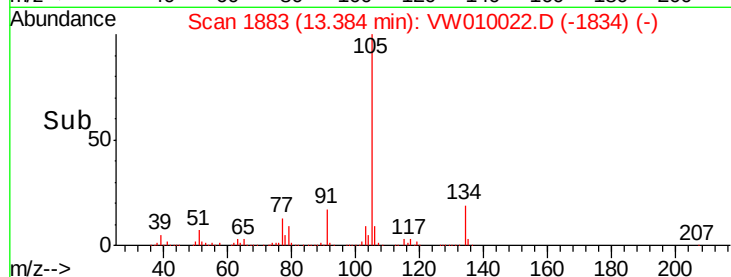
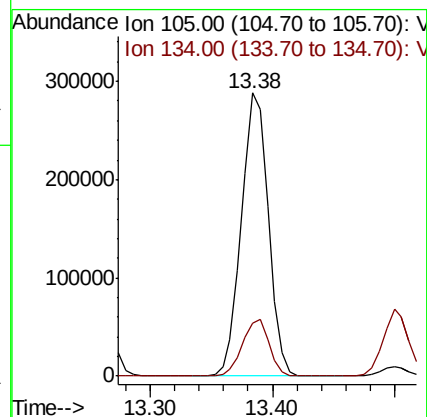
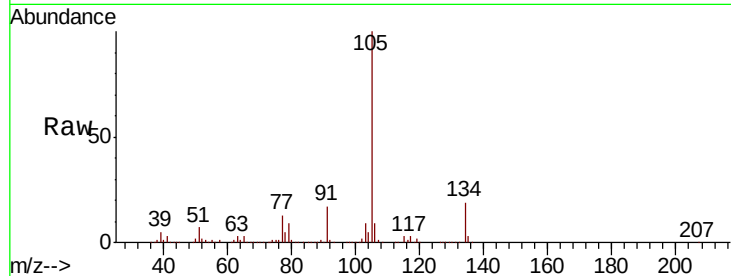
VW0417SBSD01

Tgt Ion:105 Resp: 439799

Ion Ratio Lower Upper

105 100

134 19.9 9.8 29.5



#86

p-Isopropyltoluene

Concen: 19.630 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

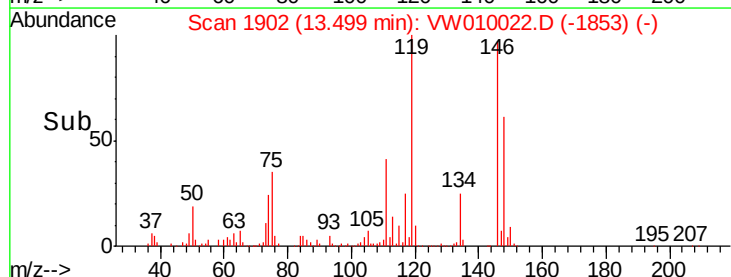
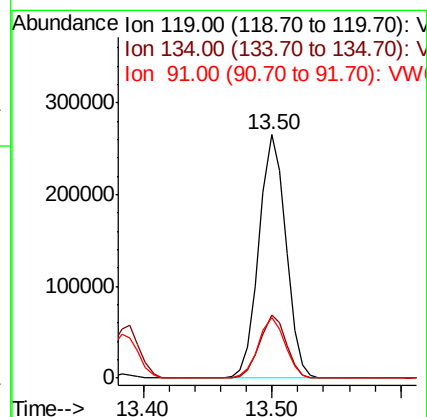
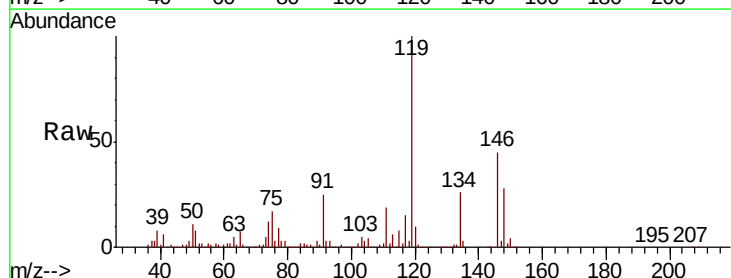
Tgt Ion:119 Resp: 381133

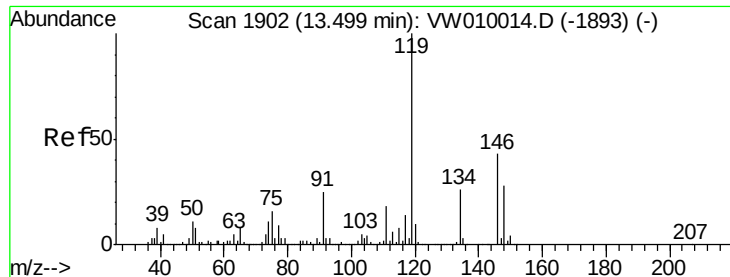
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 24.9 12.3 36.9

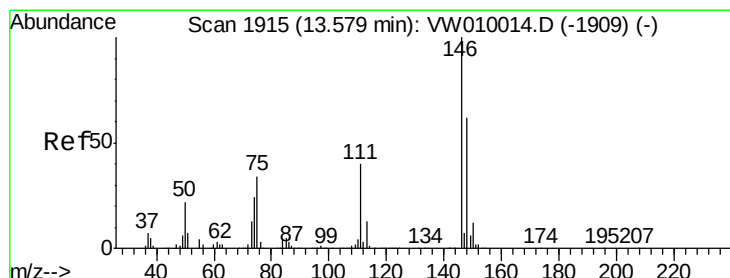
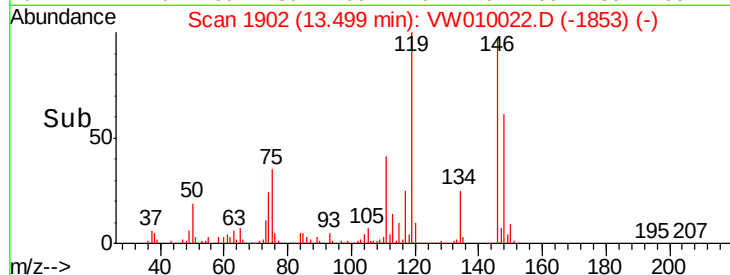
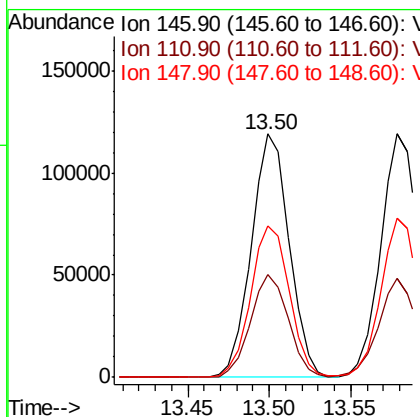
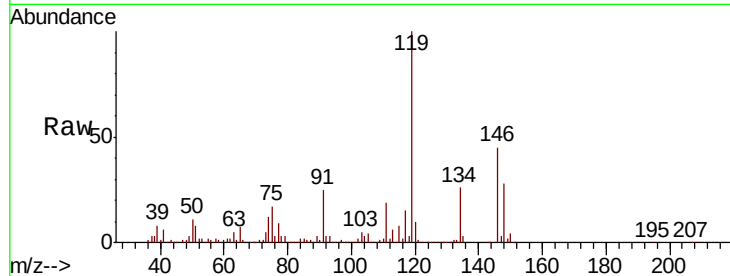




#87
 1,3-Dichlorobenzene
 Concen: 19.660 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

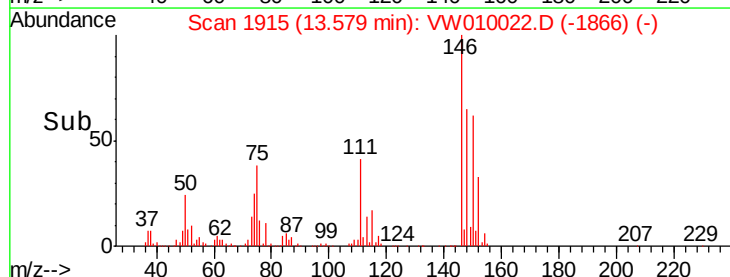
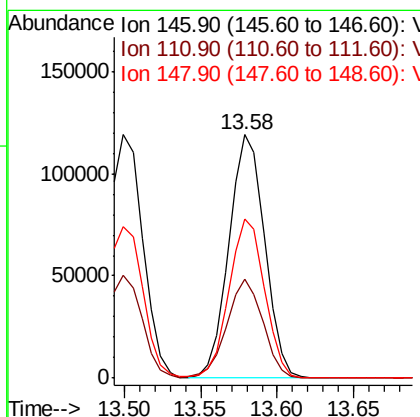
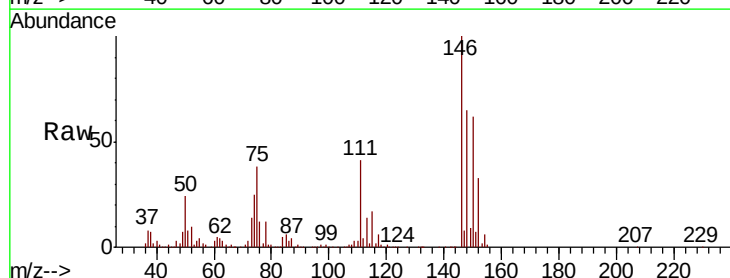
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

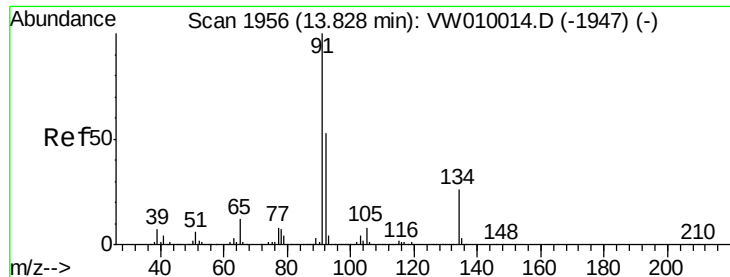
Tgt Ion:146 Resp: 191880
 Ion Ratio Lower Upper
 146 100
 111 42.1 20.3 61.0
 148 63.5 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 19.790 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion:146 Resp: 192792
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.1 60.3
 148 65.2 31.8 95.3





#89

n-Butylbenzene

Concen: 19.579 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW010022.D

Acq: 17 Apr 2019 18:02

Instrument :

MSVOA_W

ClientSampleId :

VW0417SBS01

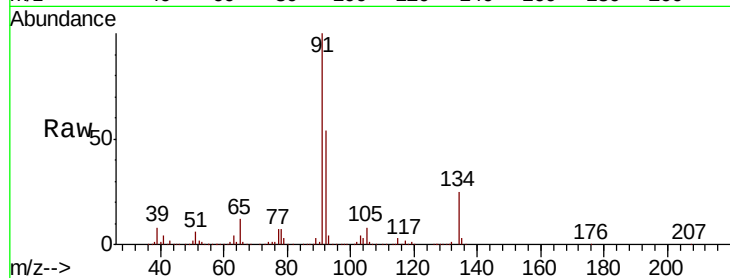
Tgt Ion: 91 Resp: 376616

Ion Ratio Lower Upper

91 100

92 52.4 26.5 79.4

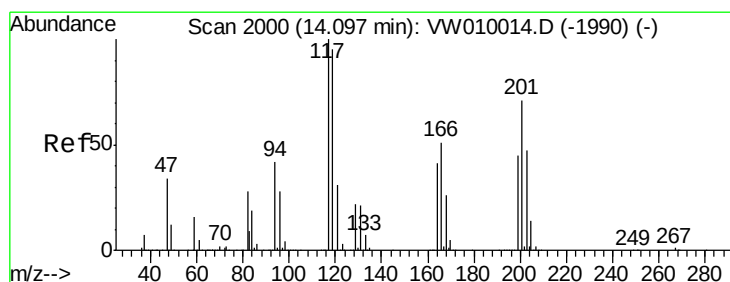
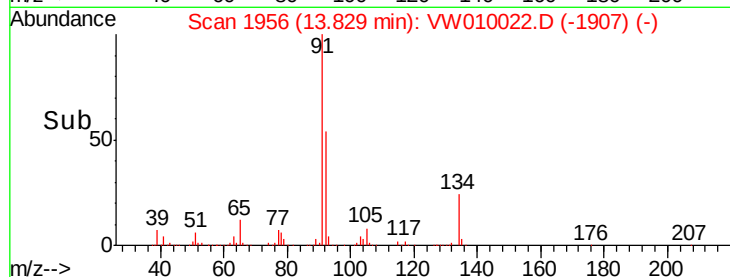
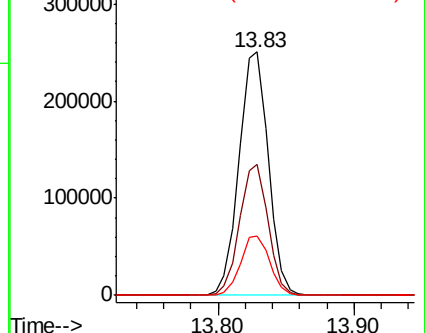
134 24.3 12.4 37.0



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: 19.380 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW010022.D

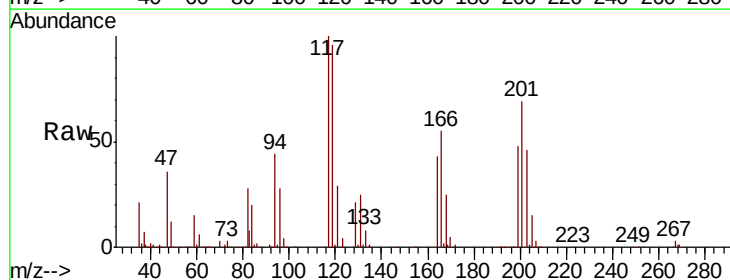
Acq: 17 Apr 2019 18:02

Tgt Ion: 117 Resp: 72067

Ion Ratio Lower Upper

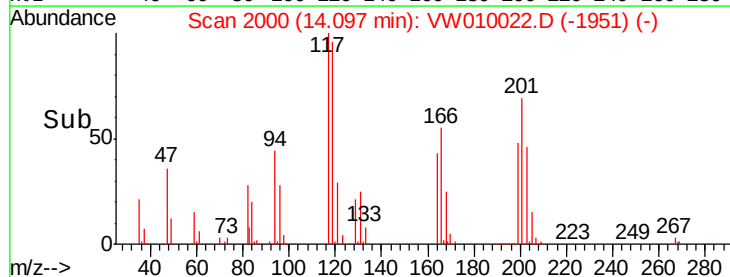
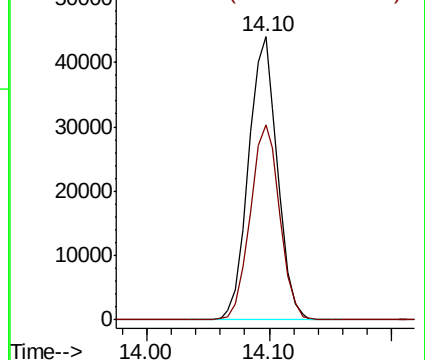
117 100

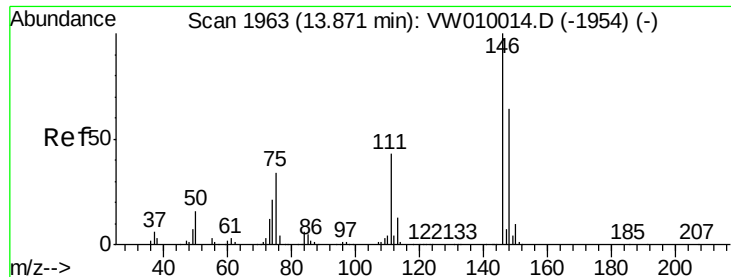
201 70.4 36.1 108.3



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

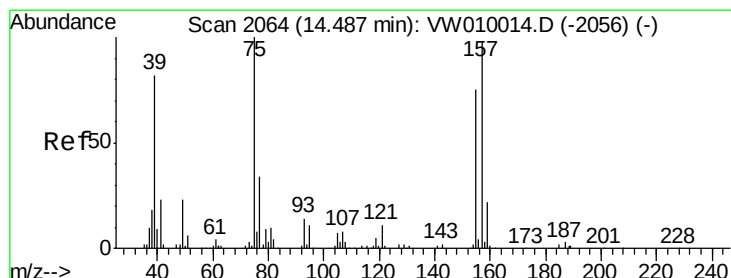
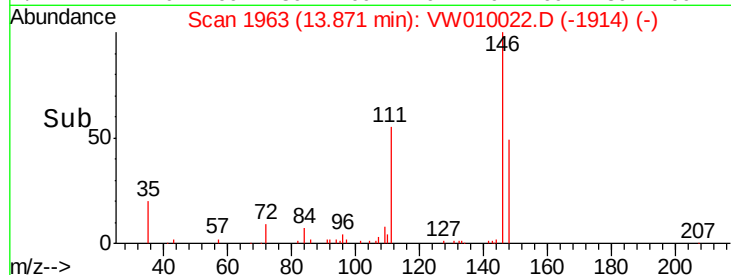
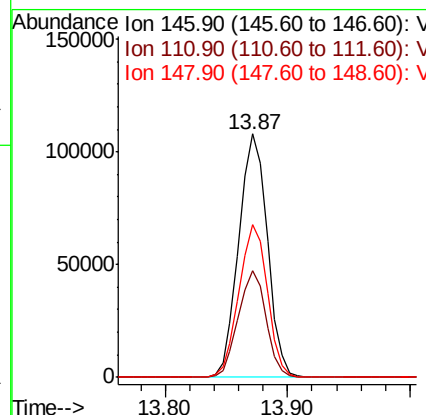
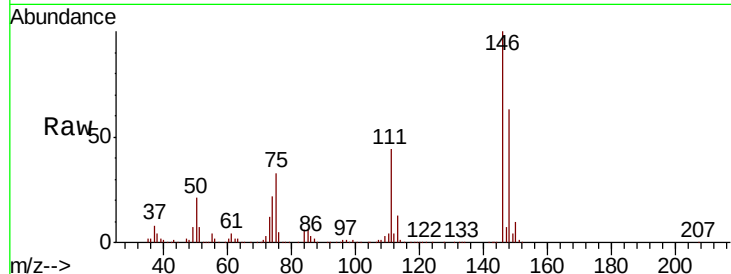




#91
 1,2-Dichlorobenzene
 Concen: 19.973 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

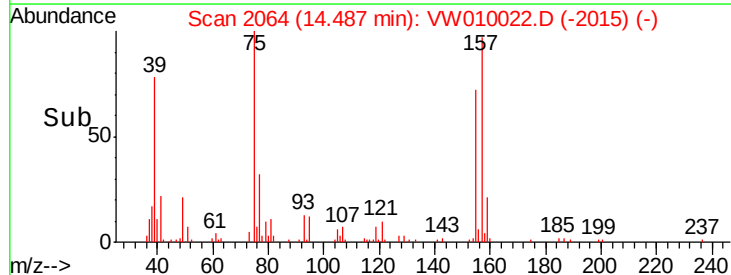
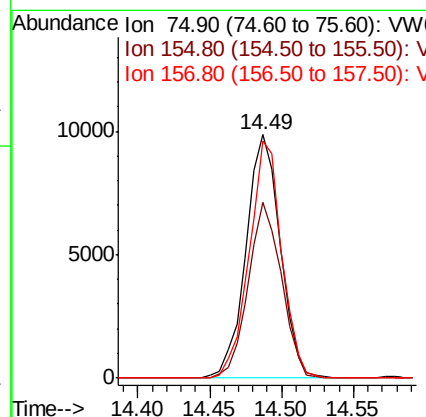
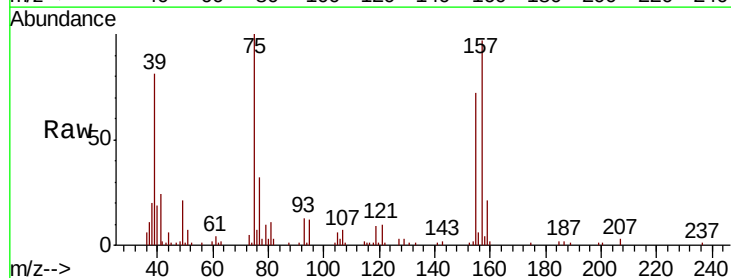
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

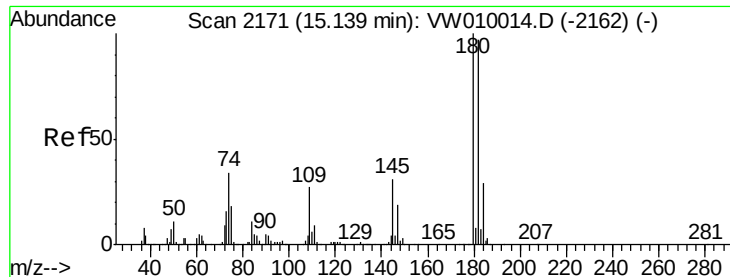
Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.9	62.8
148	62.4	31.9	95.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.831 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.8	37.1	111.5
157	92.0	47.3	141.9

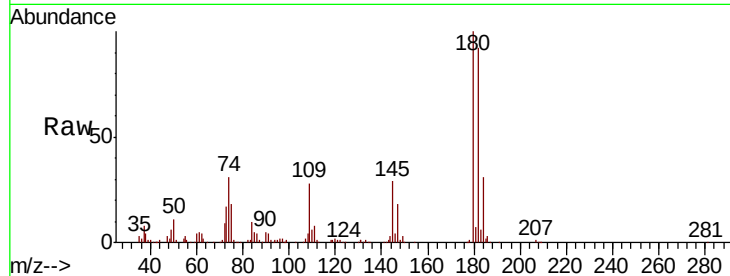




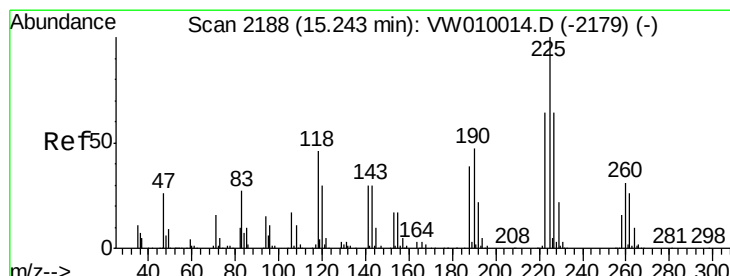
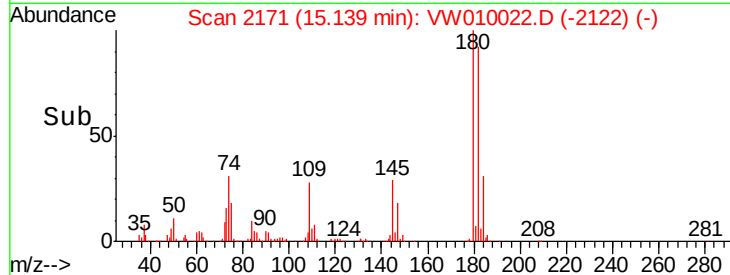
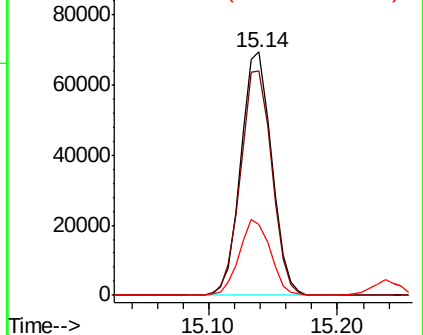
#93
 1,2,4-Trichlorobenzene
 Concen: 19.899 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0417SBSD01

Tgt Ion:180 Resp: 114886
 Ion Ratio Lower Upper
 180 100
 182 94.0 47.1 141.4
 145 31.3 15.2 45.6

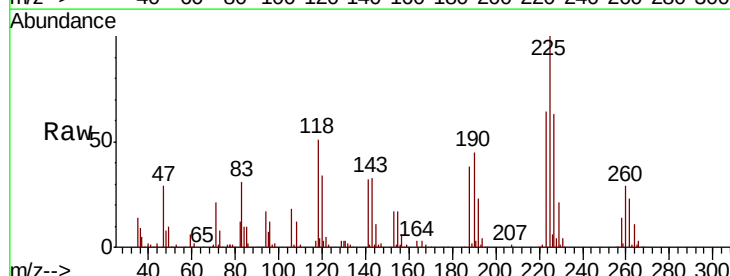


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

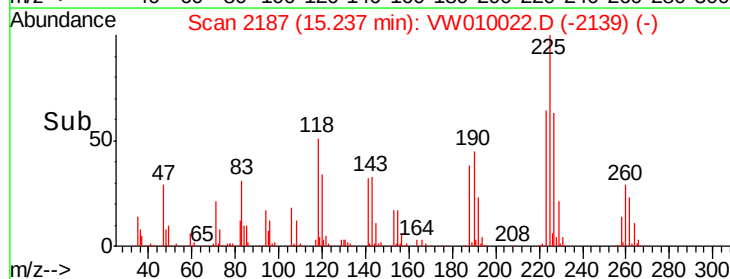
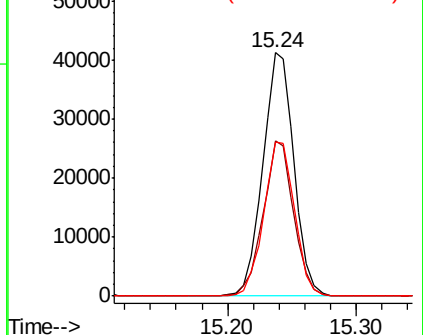


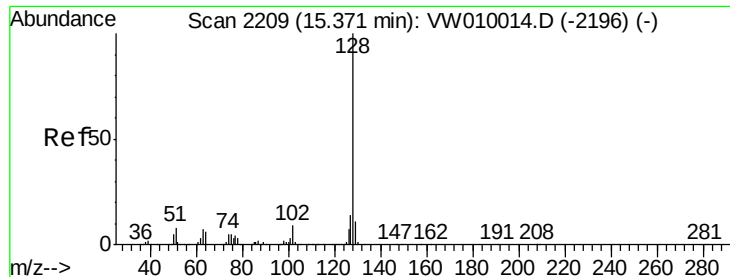
#94
 Hexachlorobutadiene
 Concen: 19.634 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VW010022.D
 Acq: 17 Apr 2019 18:02

Tgt Ion:225 Resp: 68835
 Ion Ratio Lower Upper
 225 100
 223 62.5 31.9 95.5
 227 63.0 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

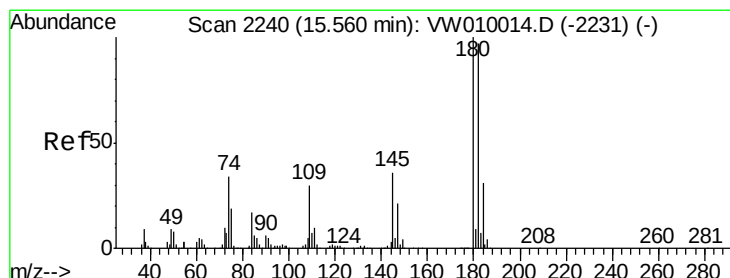
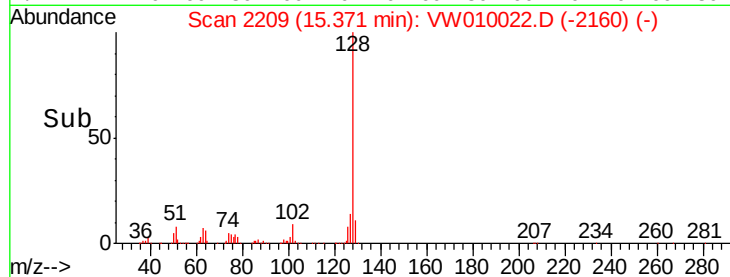
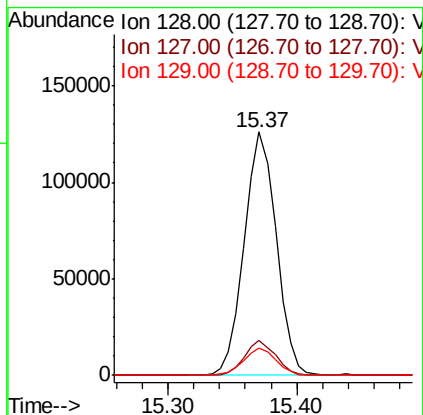
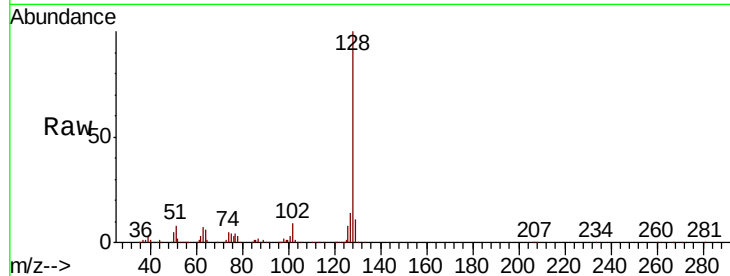




#95
Naphthalene
Concen: 20.567 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Instrument :
MSVOA_W
ClientSampleId :
VW0417SBSD01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.281 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW010022.D
Acq: 17 Apr 2019 18:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.8	143.3
145	33.1	16.4	49.2

