

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006982.D
 Acq On : 20 Nov 2018 18:50
 Operator : SY/AP
 Sample : VW1121SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:48:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	126885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	200065	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	188002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	95564	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	63387	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	7.88	113	55246	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
50) Toluene-d8	10.32	98	236343	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
62) 4-Bromofluorobenzene	12.62	95	92414	47.07	ug/l	0.00
Spiked Amount			Recovery	=	94.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	25593	20.429	ug/l	99
3) Chloromethane	2.21	50	21301	20.403	ug/l	98
4) Vinyl Chloride	2.36	62	20274	19.737	ug/l	99
5) Bromomethane	2.78	94	11008	20.078	ug/l	86
6) Chloroethane	2.92	64	10811	19.092	ug/l	94
7) Trichlorofluoromethane	3.26	101	39990	19.798	ug/l	95
8) Diethyl Ether	3.69	74	13644	20.963	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	26234	20.034	ug/l	100
10) Methyl Iodide	4.27	142	24927	16.629	ug/l	99
11) Tert butyl alcohol	5.22	59	9415	116.424	ug/l #	83
12) 1,1-Dichloroethene	4.04	96	22544	19.629	ug/l	97
13) Acrolein	3.90	56	9593	115.511	ug/l	98
14) Allyl chloride	4.67	41	36191	18.999	ug/l	99
15) Acrylonitrile	5.38	53	26863	109.815	ug/l	98
16) Acetone	4.15	43	19045	105.596	ug/l	94
17) Carbon Disulfide	4.38	76	68570	18.467	ug/l	98
18) Methyl Acetate	4.68	43	13359	20.799	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	65703	21.910	ug/l	96
20) Methylene Chloride	4.92	84	30588	17.804	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	25932	19.383	ug/l	95
22) Diisopropyl ether	6.32	45	75411	20.339	ug/l	96
23) Vinyl Acetate	6.26	43	215700	109.552	ug/l	99
24) 1,1-Dichloroethane	6.22	63	43553	19.309	ug/l	99
25) 2-Butanone	7.18	43	33879	109.675	ug/l	98
26) 2,2-Dichloropropane	7.17	77	41268	20.346	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	27355	19.200	ug/l	96
28) Bromochloromethane	7.51	49	15472	18.353	ug/l	99
29) Tetrahydrofuran	7.54	42	21812	109.027	ug/l	99
30) Chloroform	7.68	83	46448	19.383	ug/l	97
31) Cyclohexane	7.96	56	47875	20.011	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	44555	20.643	ug/l	98
36) 1,1-Dichloropropene	8.09	75	39806	20.361	ug/l	99
37) Ethyl Acetate	7.26	43	15763	22.250	ug/l	98
38) Carbon Tetrachloride	8.07	117	38473	20.550	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46599	19.047	ug/l	99
40) Benzene	8.33	78	103243	19.563	ug/l	100
41) Methacrylonitrile	7.49	41	8818	20.042	ug/l	98
42) 1,2-Dichloroethane	8.40	62	31432	20.515	ug/l	99
43) Isopropyl Acetate	8.43	43	29383	21.764	ug/l	99
44) Trichloroethene	9.09	130	29567	19.986	ug/l	96
45) 1,2-Dichloropropane	9.37	63	26631	20.471	ug/l	98
46) Dibromomethane	9.46	93	13453	20.650	ug/l	99
47) Bromodichloromethane	9.65	83	35733	20.818	ug/l	97
48) Methyl methacrylate	9.44	41	13430	20.630	ug/l	96
49) 1,4-Dioxane	9.48	88	3734	385.628	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	73715	108.043	ug/l	100
52) Toluene	10.39	92	68805	19.158	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	34261	20.605	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	41094	20.457	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	20444	21.329	ug/l	98
56) Ethyl methacrylate	10.65	69	23457	21.083	ug/l	98
57) 1,3-Dichloropropane	10.93	76	33621	20.931	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.93	63	64007	110.093	ug/l	99
59) 2-Hexanone	10.98	43	51501	110.230	ug/l	99
60) Dibromochloromethane	11.13	129	22526	20.625	ug/l	97
61) 1,2-Dibromoethane	11.24	107	19127	21.814	ug/l	98
64) Tetrachloroethene	10.87	164	23127	19.122	ug/l	98
65) Chlorobenzene	11.66	112	75605	19.268	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	23699	19.965	ug/l	98
67) Ethyl Benzene	11.73	91	138687	19.240	ug/l	99
68) m/p-Xylenes	11.84	106	109196	38.611	ug/l	99
69) o-Xylene	12.17	106	51521	19.320	ug/l	98
70) Styrene	12.18	104	82554	19.451	ug/l	99
71) Bromoform	12.35	173	11622	20.784	ug/l #	97
73) Isopropylbenzene	12.47	105	141105	18.999	ug/l	100
74) N-amyl acetate	12.28	43	26375	21.189	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.71	83	20512	20.752	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	28161	37.501	ug/l #	100
77) Bromobenzene	12.75	156	31408	19.689	ug/l	96
78) n-propylbenzene	12.81	91	169468	18.837	ug/l	100
79) 2-Chlorotoluene	12.90	91	98453	18.980	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	121436	18.908	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	6191	20.698	ug/l	95
82) 4-Chlorotoluene	12.99	91	102177	18.770	ug/l	99
83) tert-Butylbenzene	13.21	119	104239	18.746	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	121986	19.064	ug/l	99
85) sec-Butylbenzene	13.39	105	148034	18.844	ug/l	99
86) p-Isopropyltoluene	13.51	119	130390	18.815	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	62093	19.066	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62545	19.262	ug/l	99
89) n-Butylbenzene	13.83	91	122381	18.765	ug/l	99
90) Hexachloroethane	14.10	117	18833	18.614	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	55527	19.459	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3591	21.511	ug/l	90

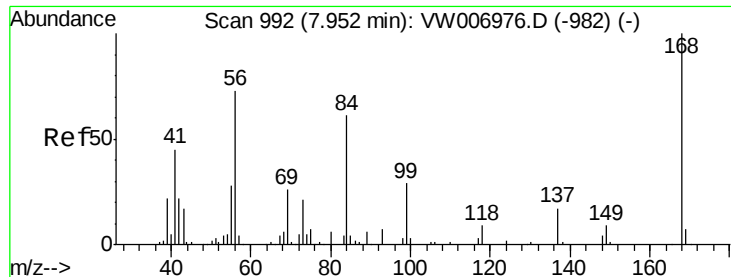
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	35747	18.997	ug/l	100
94) Hexachlorobutadiene	15.24	225	18495	18.080	ug/l	99
95) Naphthalene	15.38	128	67037	19.626	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	30807	19.734	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

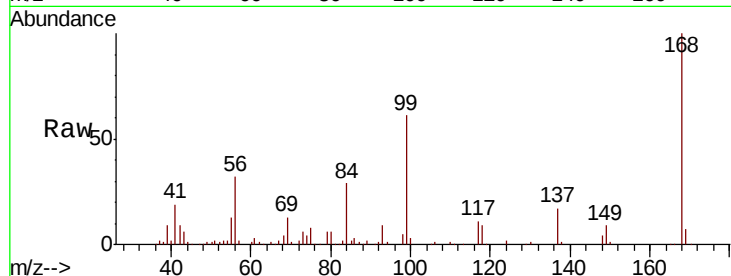
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 126885

Ion Ratio Lower Upper

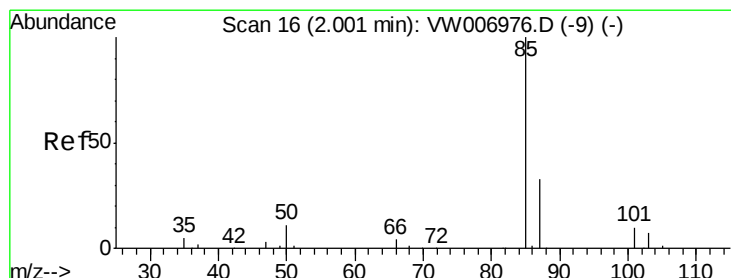
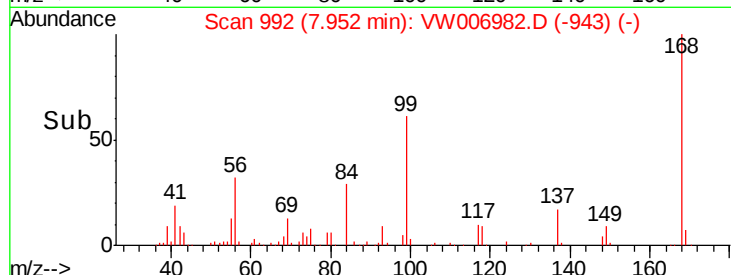
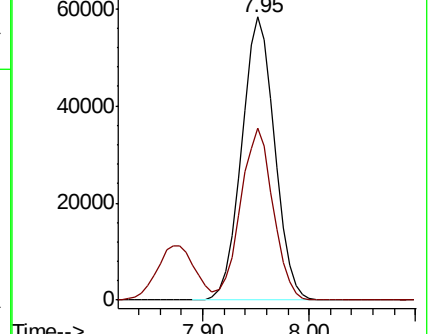
168 100

99 60.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 20.429 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006982.D

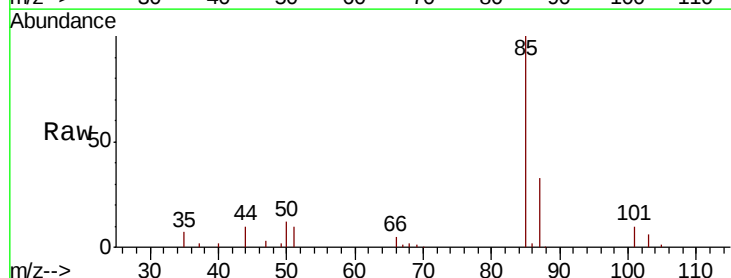
Acq: 20 Nov 2018 18:50

Tgt Ion: 85 Resp: 25593

Ion Ratio Lower Upper

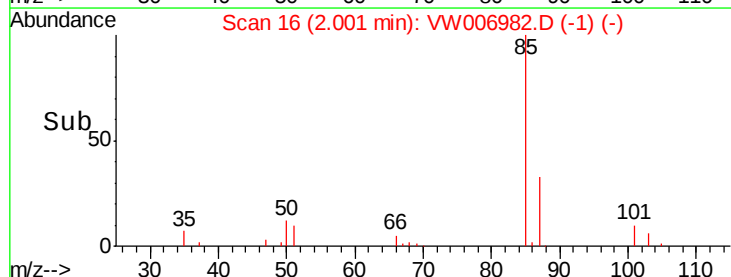
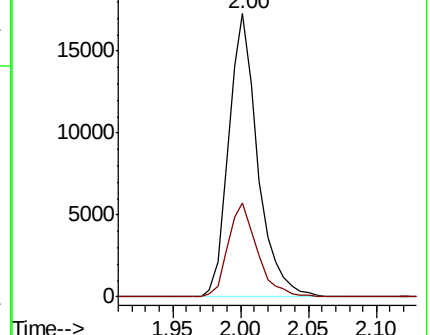
85 100

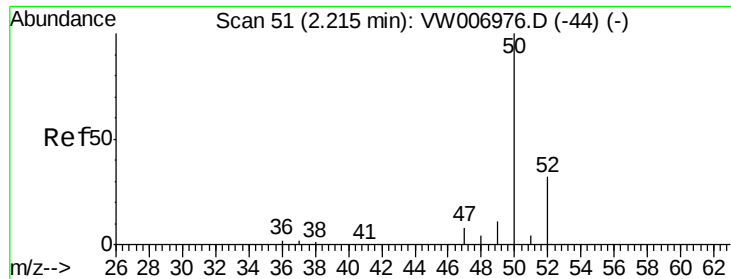
87 33.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.403 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

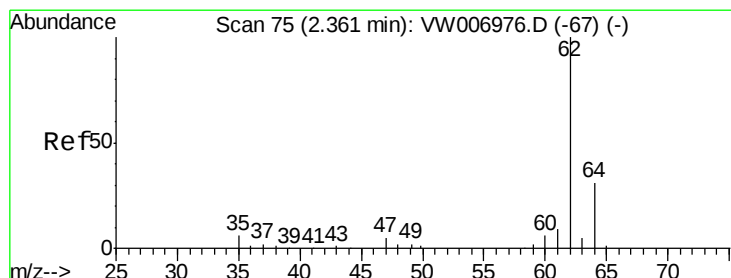
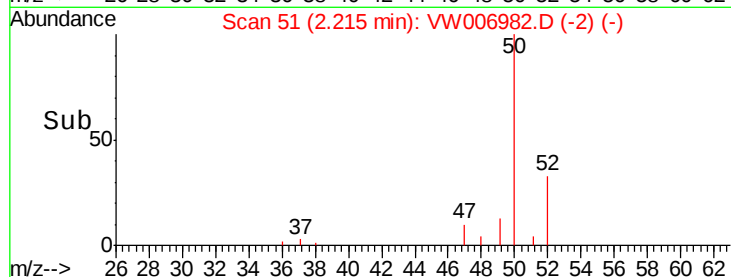
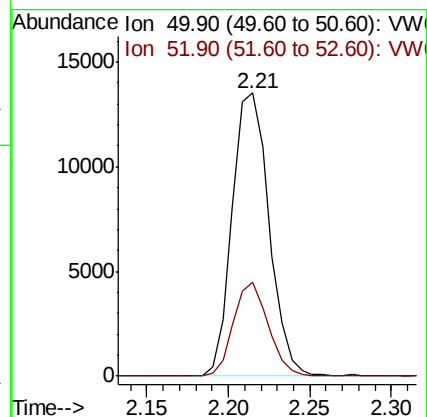
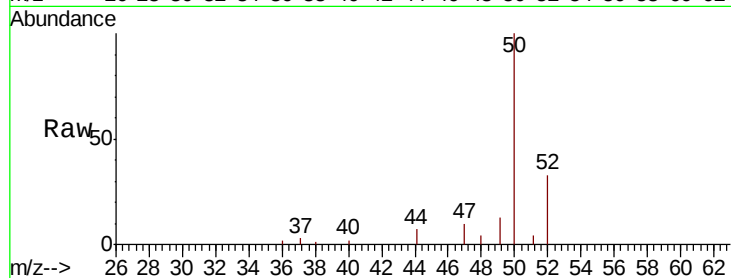
ClientSampled :

Tot Ion: 50 Resp: 21301

Ion Ratio Lower Upper

50 100

52 33.3 25.7 38.5



#4

Vinyl Chloride

Concen: 19.737 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006982.D

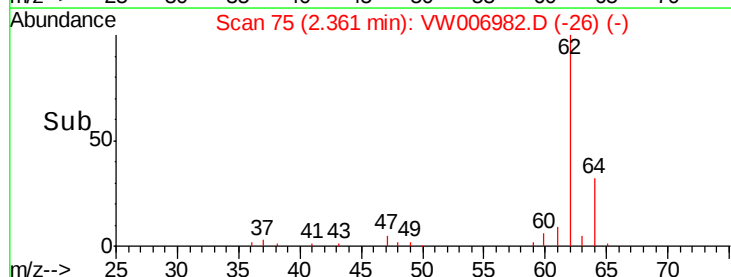
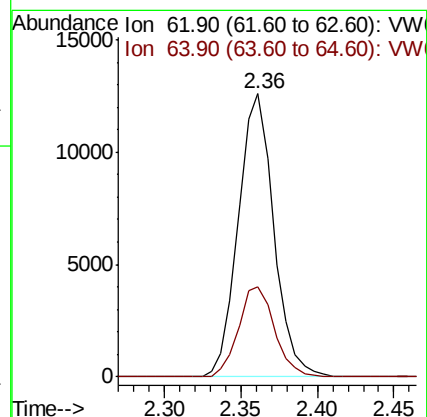
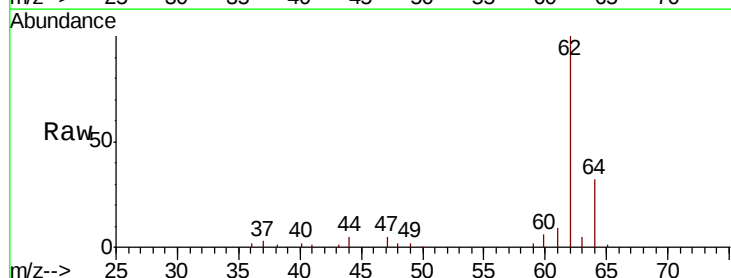
Acq: 20 Nov 2018 18:50

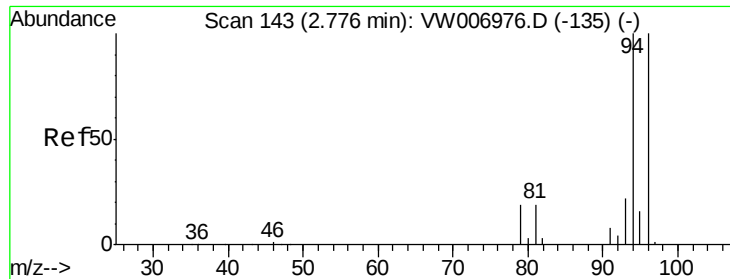
Tgt Ion: 62 Resp: 20274

Ion Ratio Lower Upper

62 100

64 31.8 25.2 37.8





#5

Bromomethane

Concen: 20.078 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

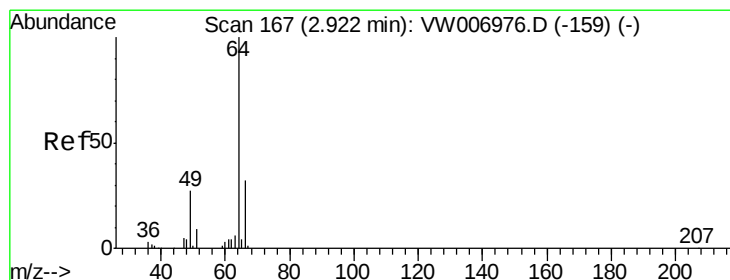
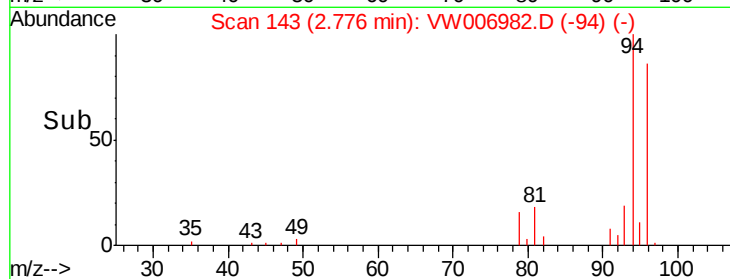
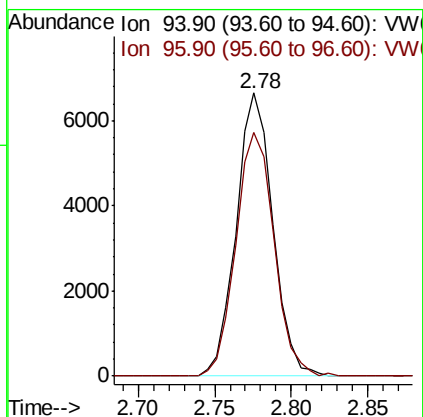
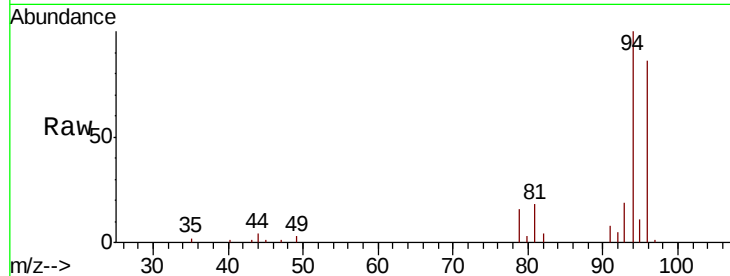
ClientSampled :

Tot Ion: 94 Resp: 11008

Ion Ratio Lower Upper

94 100

96 86.1 80.2 120.2



#6

Chloroethane

Concen: 19.092 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW006982.D

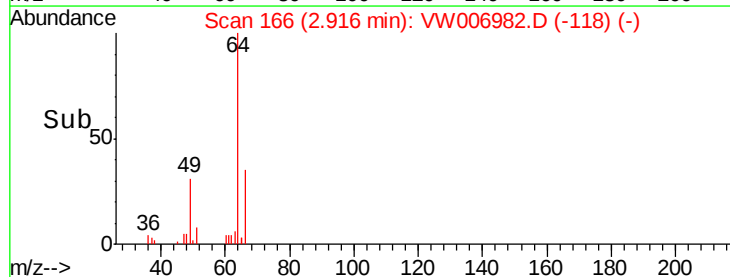
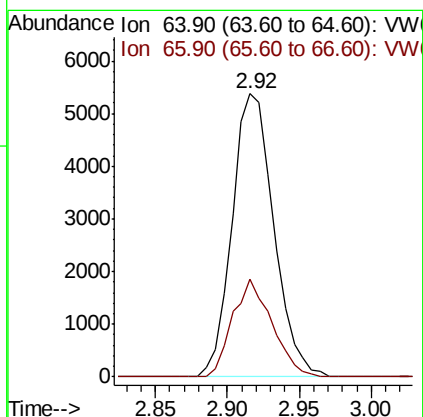
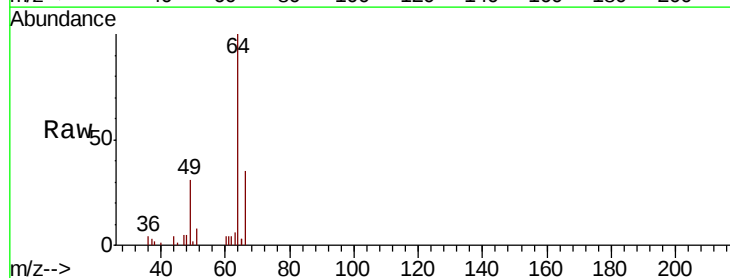
Acq: 20 Nov 2018 18:50

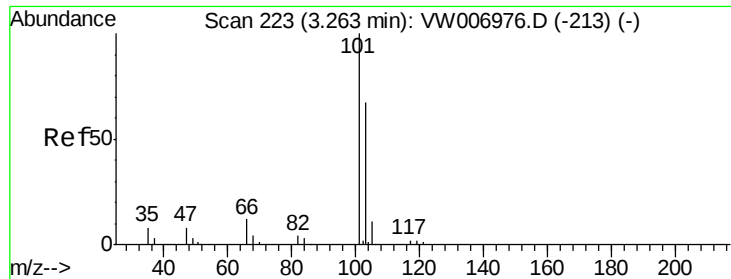
Tgt Ion: 64 Resp: 10811

Ion Ratio Lower Upper

64 100

66 34.8 25.3 37.9



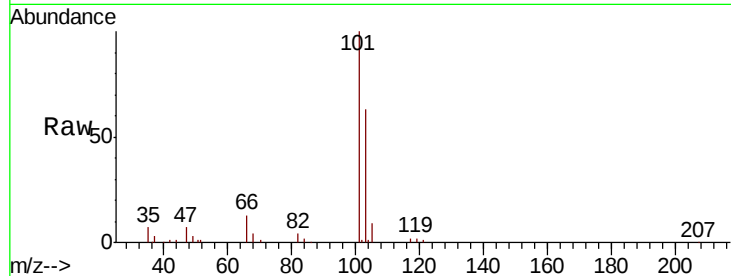


#7

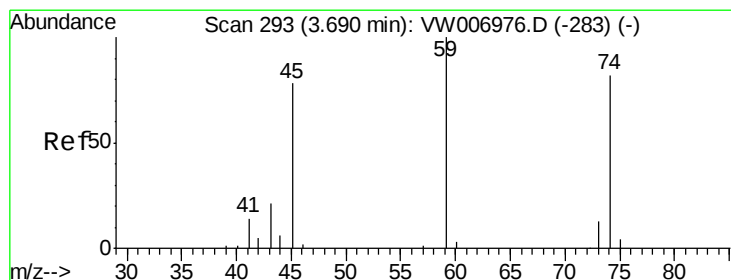
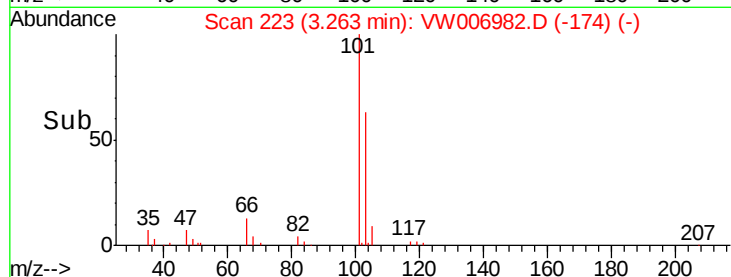
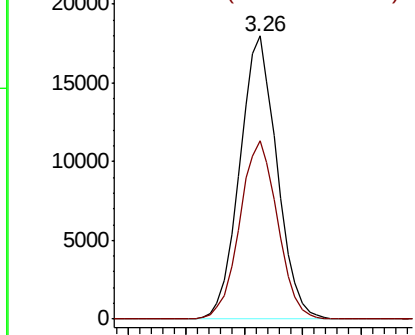
Trichlorofluoromethane
Concen: 19.798 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:101 Resp: 39990
Ion Ratio Lower Upper
101 100
103 63.0 53.4 80.2



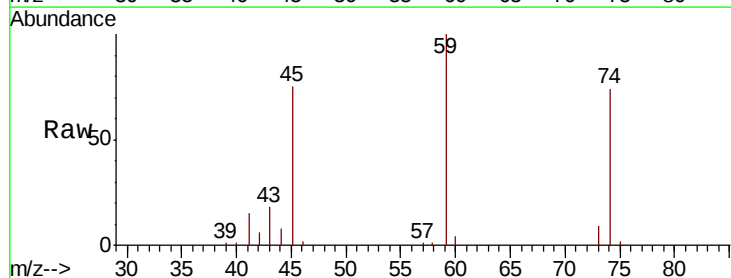
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



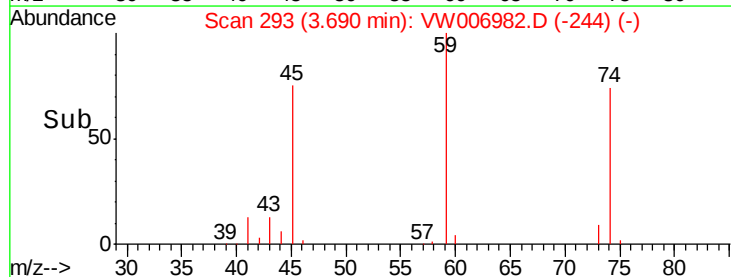
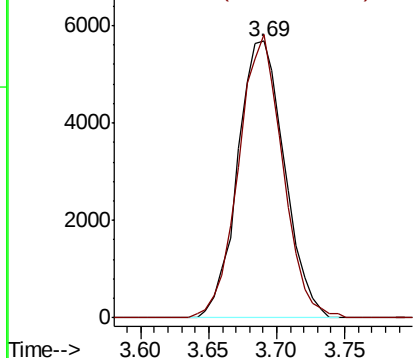
#8

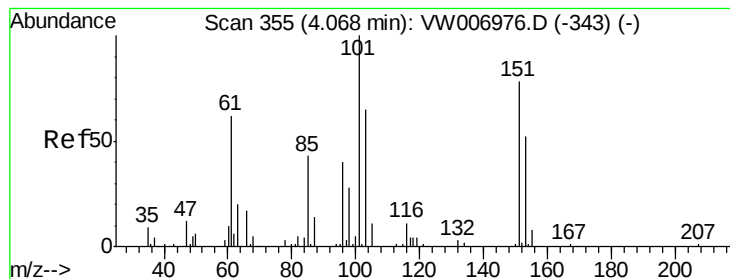
Diethyl Ether
Concen: 20.963 ug/l
RT: 3.69 min Scan# 293
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 74 Resp: 13644
Ion Ratio Lower Upper
74 100
45 96.4 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VW
Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.034 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

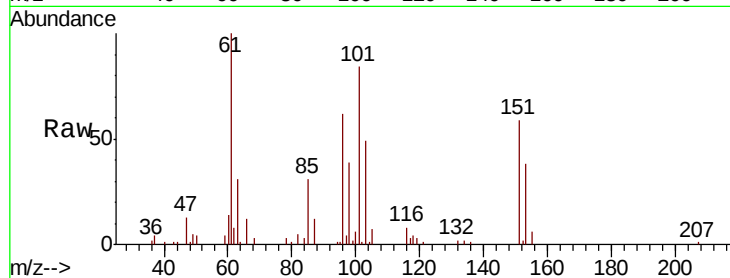
Tot Ion:101 Resp: 26234

Ion Ratio Lower Upper

101 100

85 42.4 34.3 51.5

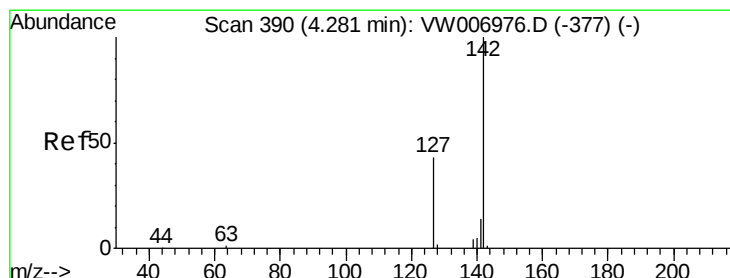
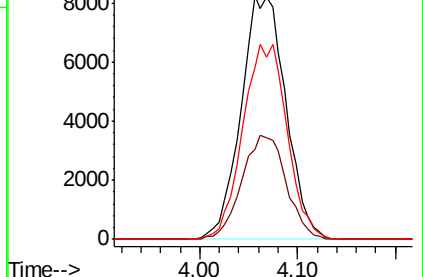
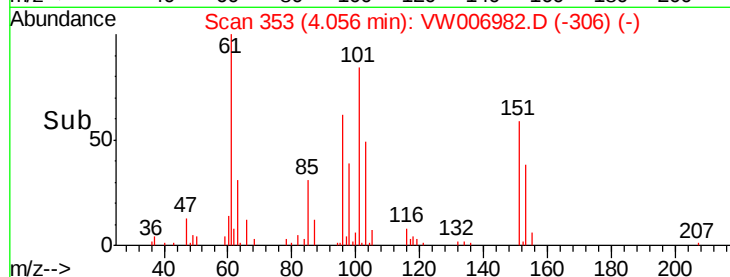
151 79.4 63.4 95.2



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: 16.629 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

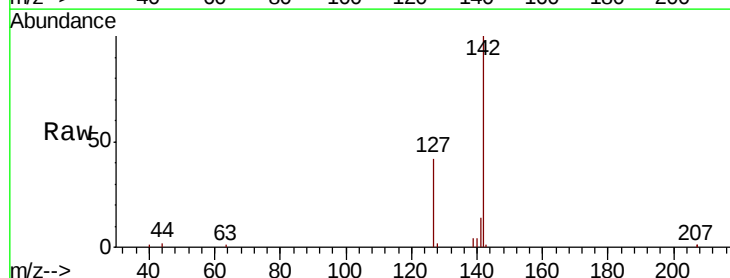
Tgt Ion:142 Resp: 24927

Ion Ratio Lower Upper

142 100

127 43.2 35.3 52.9

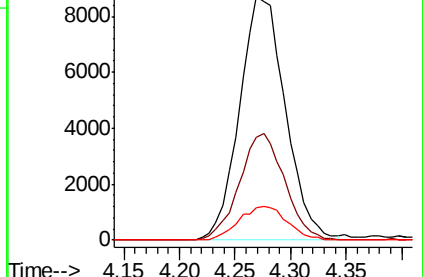
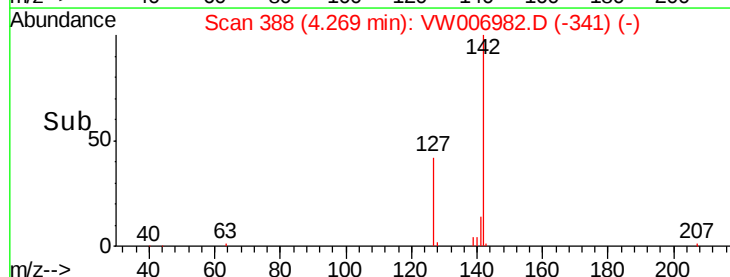
141 14.5 11.7 17.5

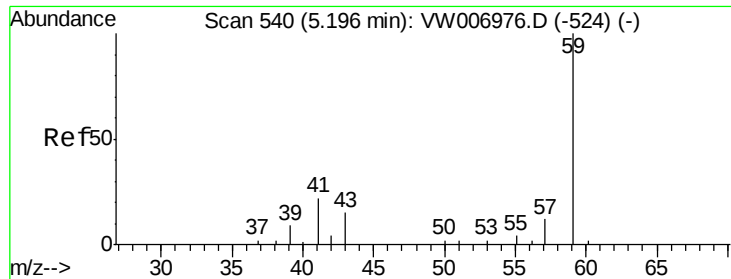


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



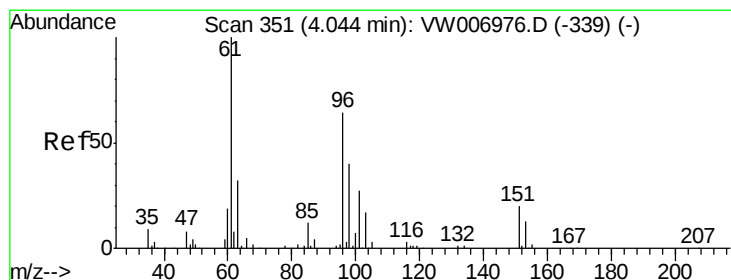
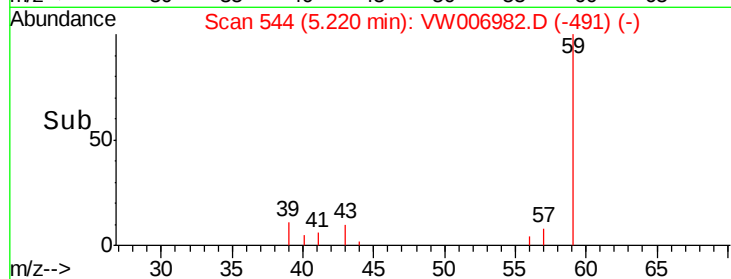
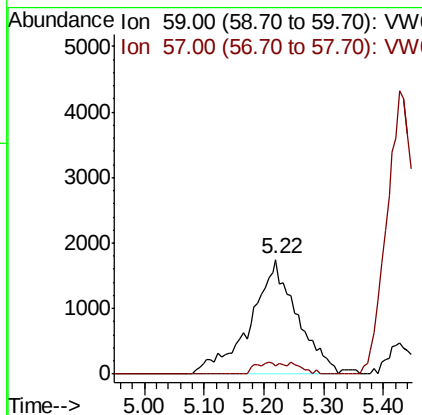
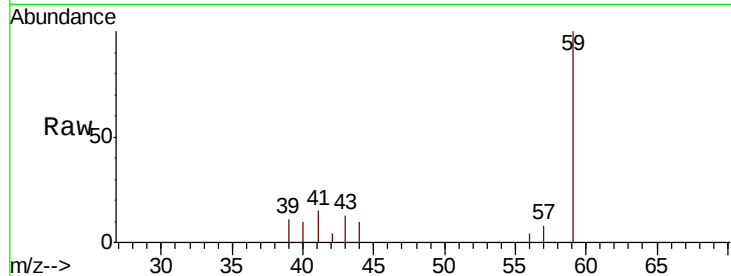


#11

Tert butyl alcohol
 Concen: 116.424 ug/l
 RT: 5.22 min Scan# 544
 Delta R.T. 0.02 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Instrument :
 MSVOA_W
 ClientSampled :

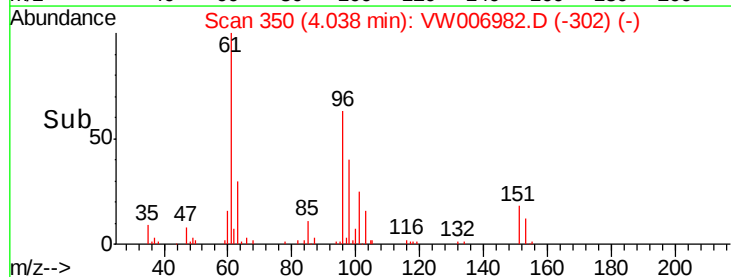
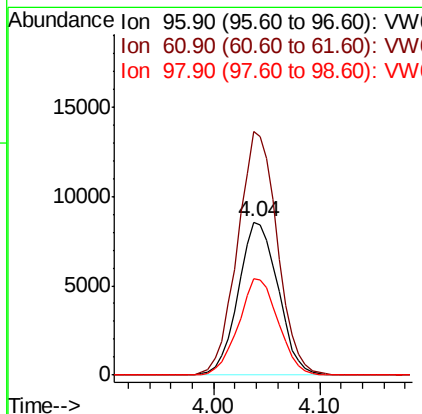
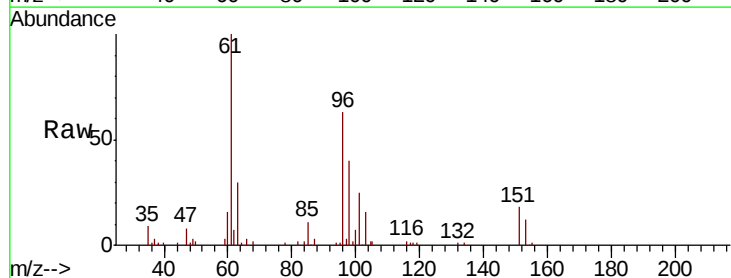
Tot Ion: 59 Resp: 9415
 Ion Ratio Lower Upper
 59 100
 57 4.4 8.6 13.0#

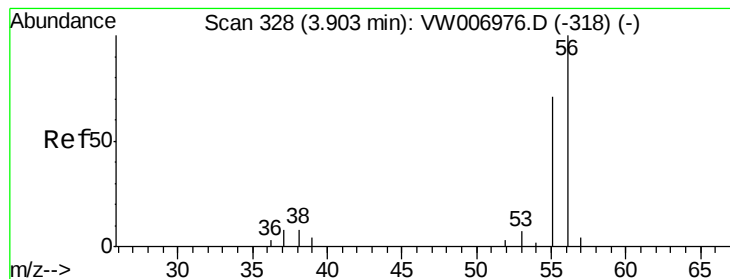


#12

1,1-Dichloroethene
 Concen: 19.629 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 96 Resp: 22544
 Ion Ratio Lower Upper
 96 100
 61 159.1 124.3 186.5
 98 63.2 49.4 74.2





#13

Acrolein

Concen: 115.511 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

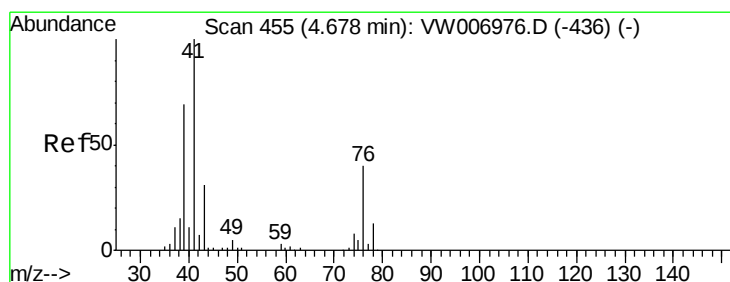
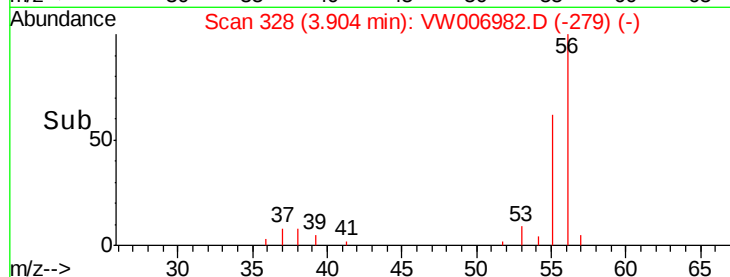
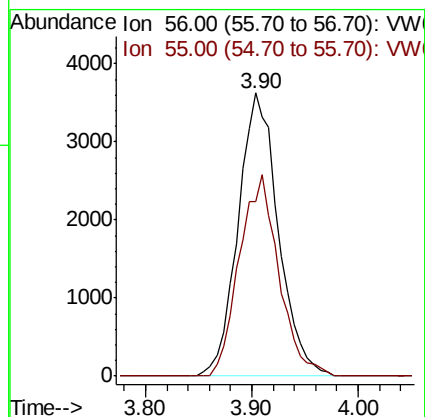
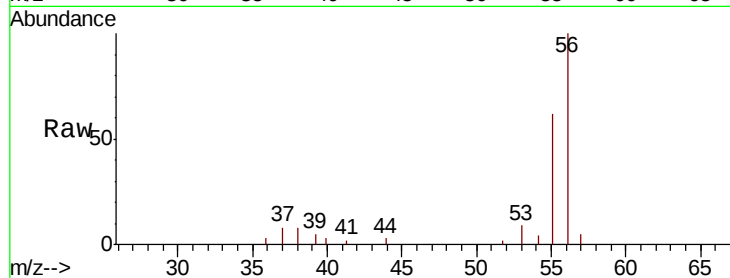
ClientSampled :

Tot Ion: 56 Resp: 9593

Ion Ratio Lower Upper

56 100

55 69.9 57.5 86.3



#14

Allyl chloride

Concen: 18.999 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

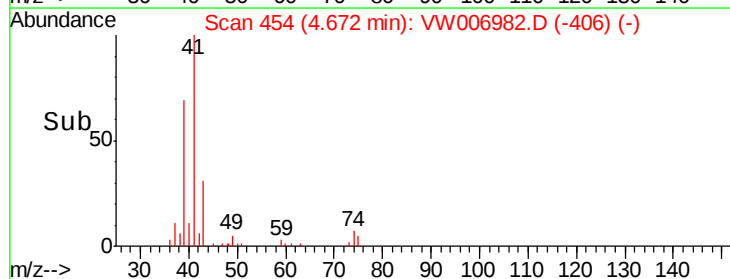
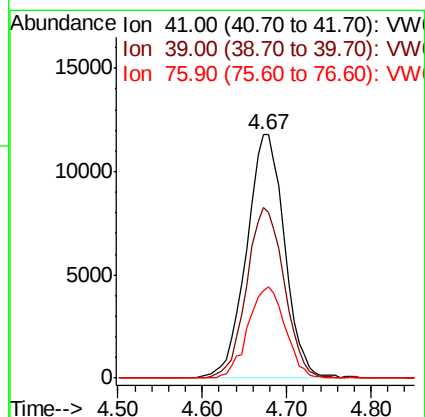
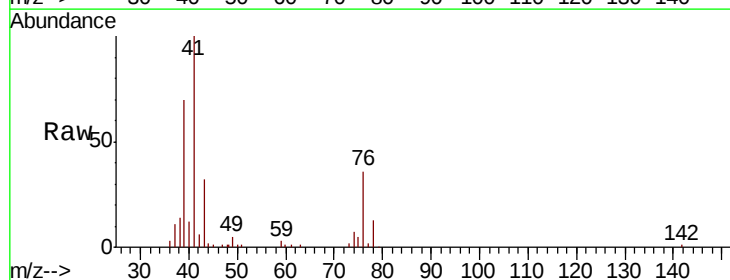
Tgt Ion: 41 Resp: 36191

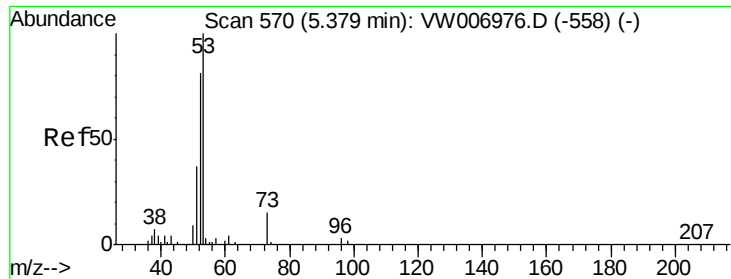
Ion Ratio Lower Upper

41 100

39 68.9 55.4 83.2

76 36.5 29.6 44.4





#15

Acrylonitrile

Concen: 109.815 ug/l

RT: 5.38 min Scan# 571

Delta R.T. 0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

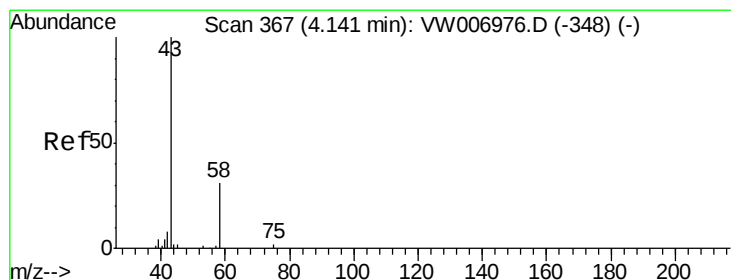
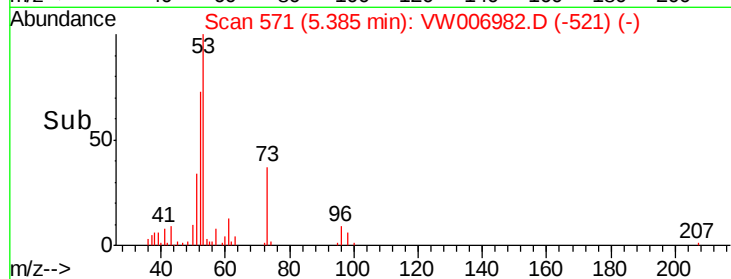
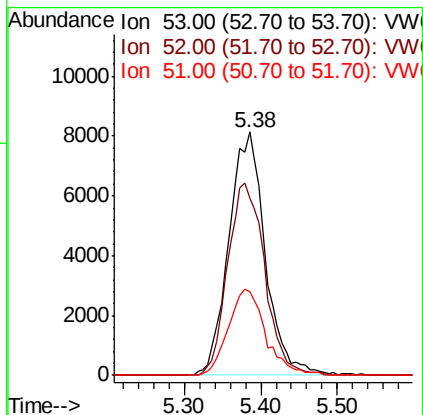
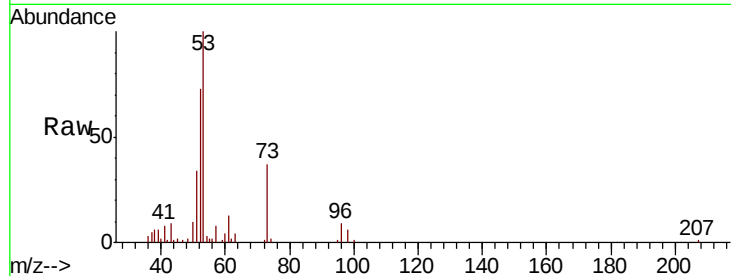
Tot Ion: 53 Resp: 26863

Ion Ratio Lower Upper

53 100

52 80.4 65.7 98.5

51 36.2 29.9 44.9



#16

Acetone

Concen: 105.596 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006982.D

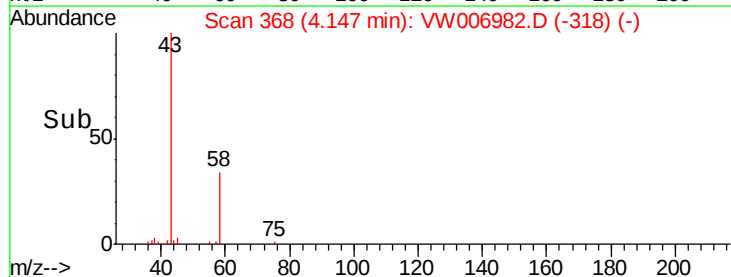
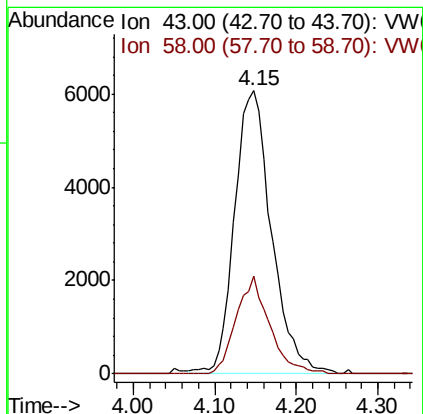
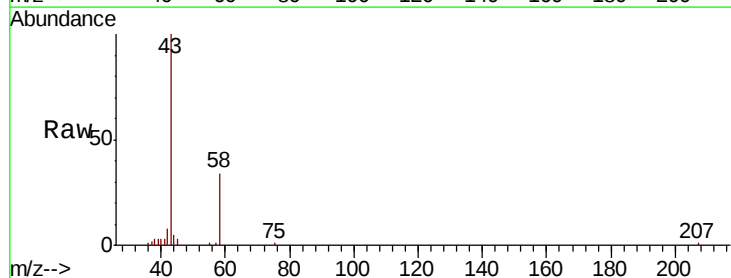
Acq: 20 Nov 2018 18:50

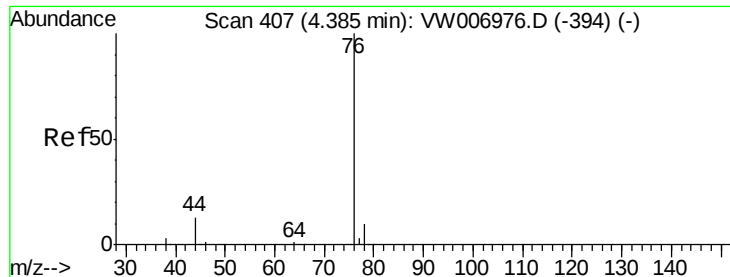
Tgt Ion: 43 Resp: 19045

Ion Ratio Lower Upper

43 100

58 34.4 24.8 37.2

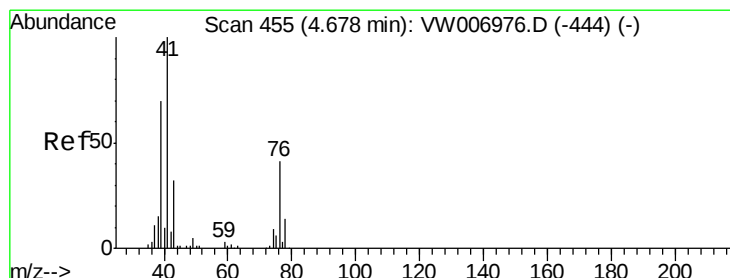
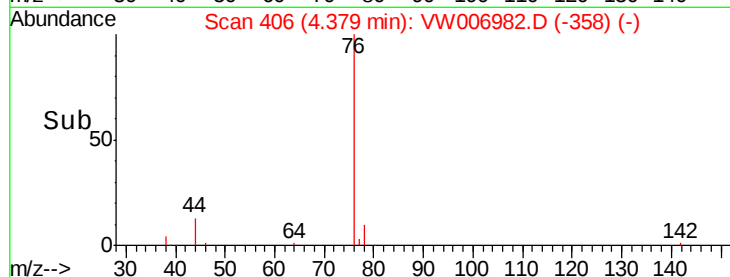
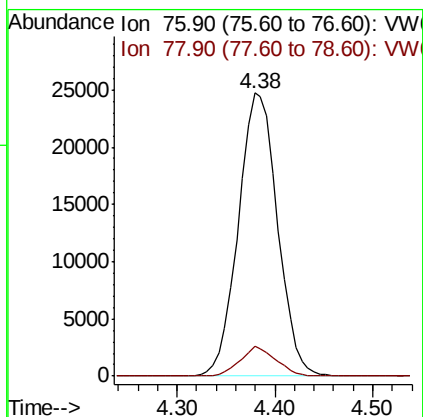
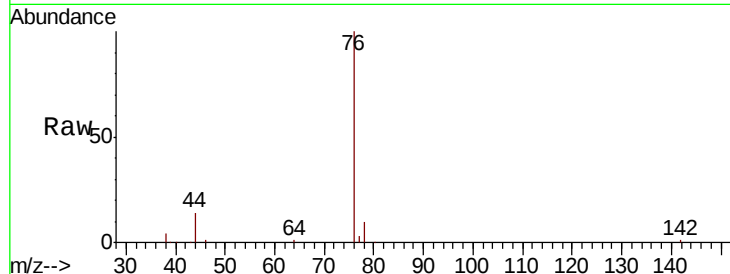




#17
Carbon Disulfide
Concen: 18.467 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

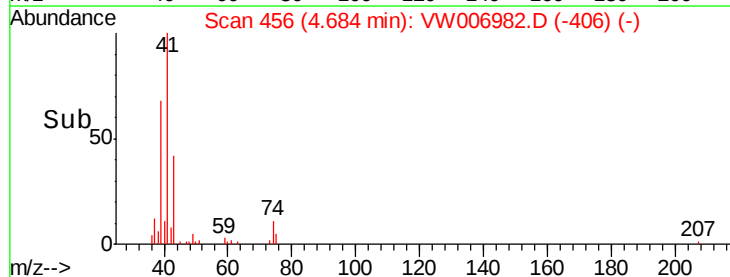
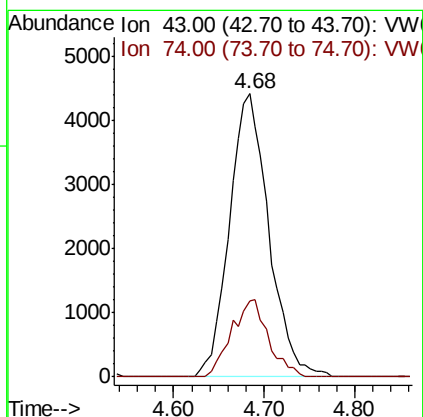
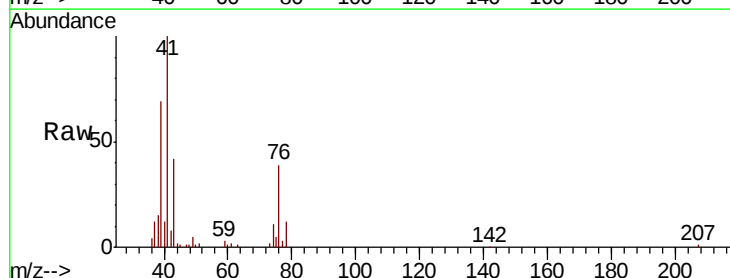
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 68570
Ion Ratio Lower Upper
76 100
78 10.5 7.8 11.6



#18
Methyl Acetate
Concen: 20.799 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 43 Resp: 13359
Ion Ratio Lower Upper
43 100
74 25.5 20.1 30.1

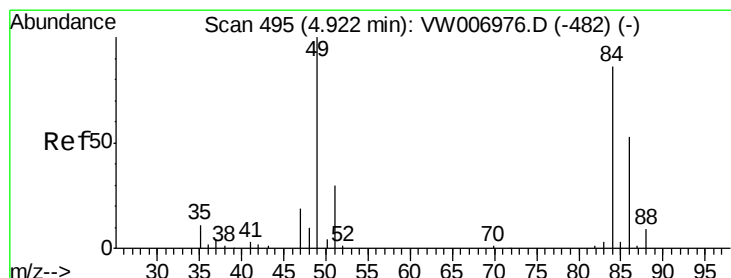
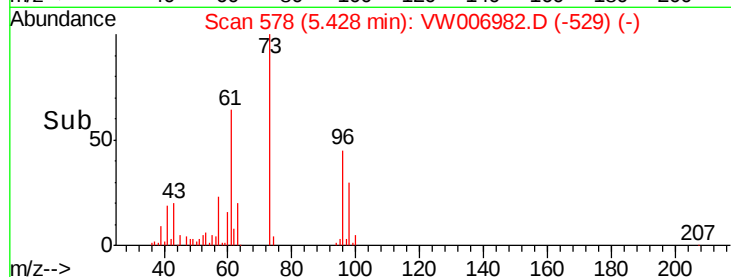
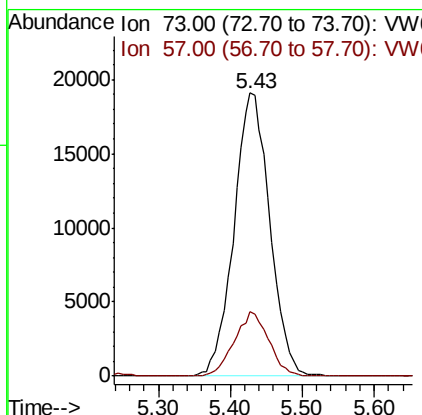
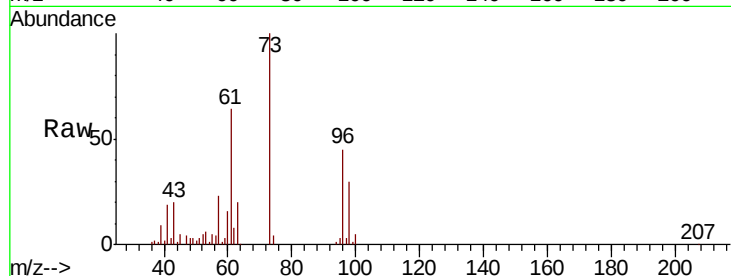




#19
Methvl tert-butvl Ether
Concen: 21.910 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

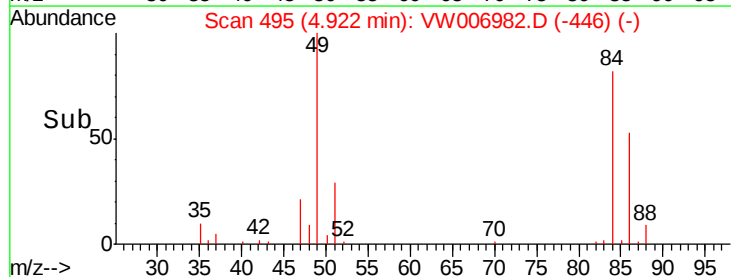
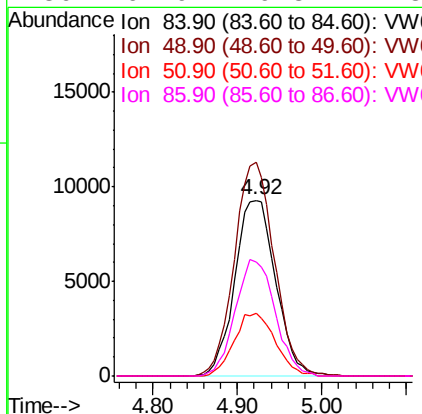
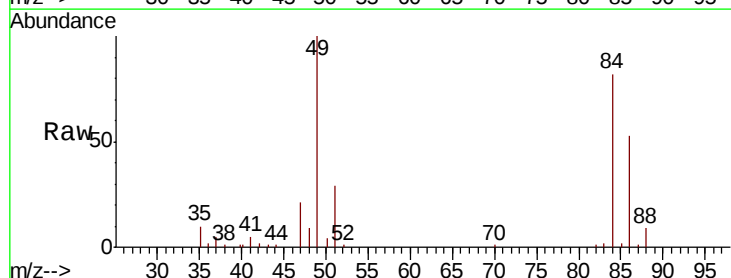
Instrument :
MSVOA_W
ClientSampled :

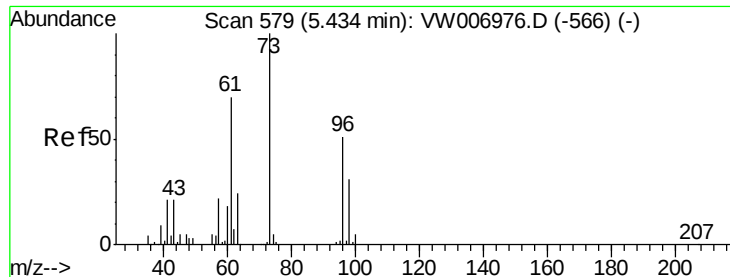
Tot Ion: 73 Resp: 65703
Ion Ratio Lower Upper
73 100
57 22.6 16.7 25.1



#20
Methylene Chloride
Concen: 17.804 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 84 Resp: 30588
Ion Ratio Lower Upper
84 100
49 121.4 93.4 140.0
51 35.5 28.4 42.6
86 64.9 49.8 74.8

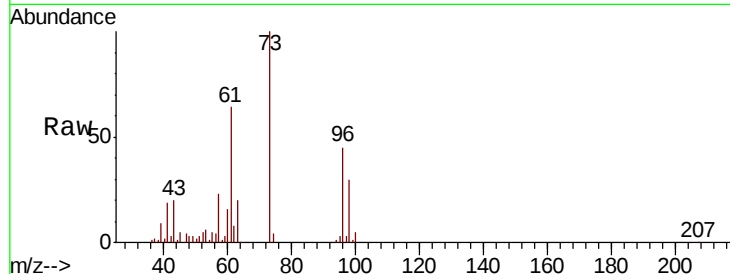




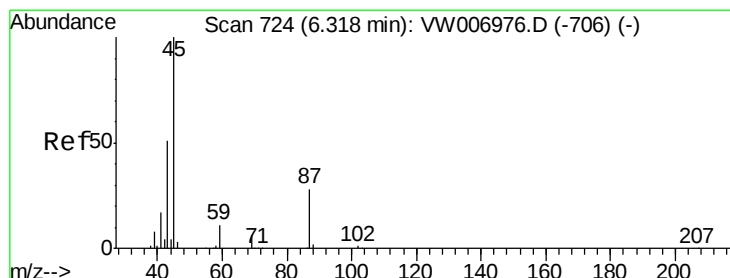
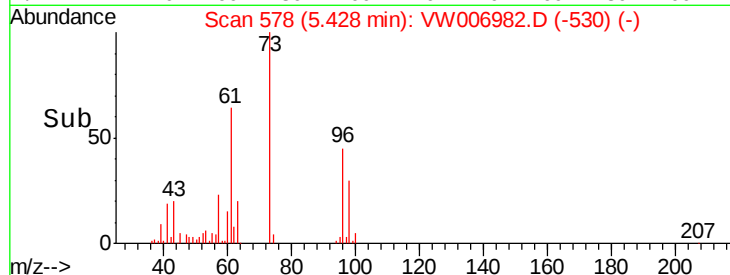
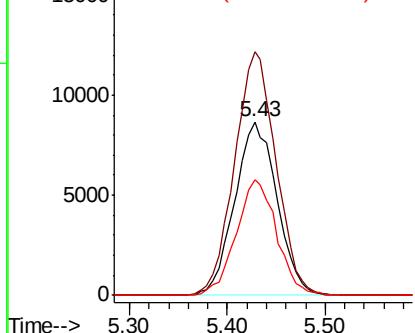
#21
trans-1,2-Dichloroethene
Concen: 19.383 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 96 Resp: 25932
Ion Ratio Lower Upper
96 100
61 140.5 109.4 164.0
98 66.8 48.3 72.5

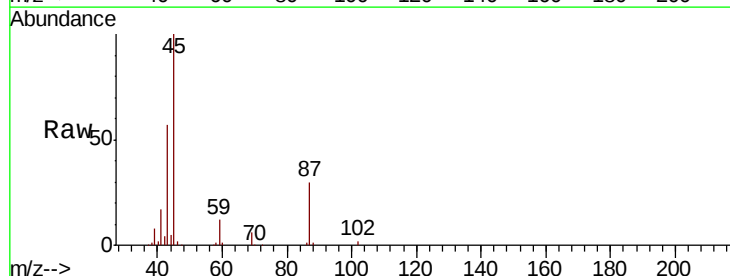


Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW

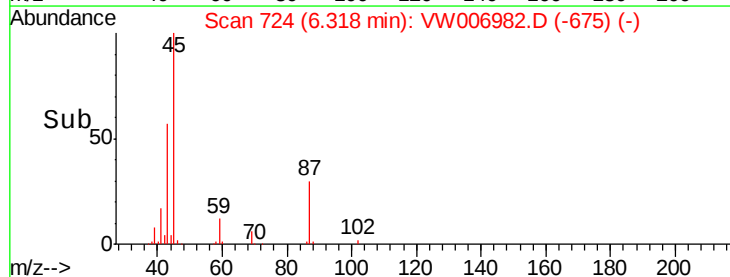
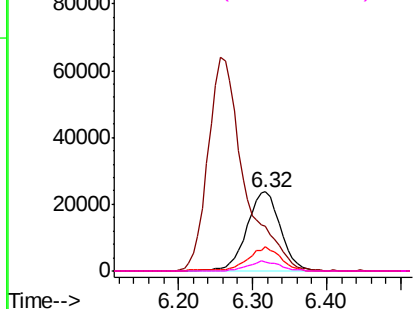


#22
Diisopropyl ether
Concen: 20.339 ug/l
RT: 6.32 min Scan# 724
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 45 Resp: 75411
Ion Ratio Lower Upper
45 100
43 56.0 42.5 63.7
87 30.3 22.8 34.2
59 12.1 9.1 13.7



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: 109.552 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

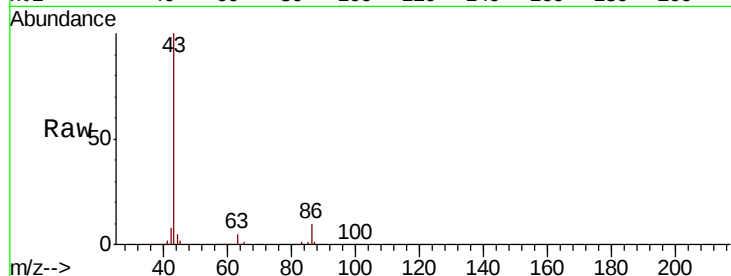
ClientSampled :

Tot Ion: 43 Resp: 215700

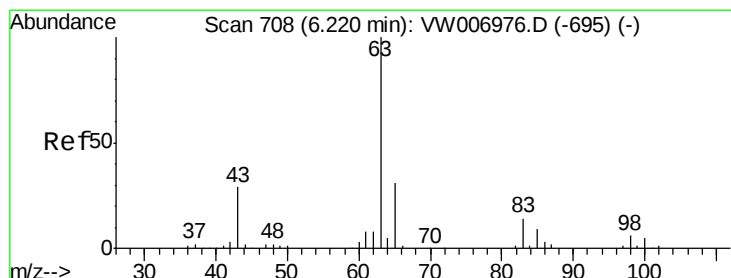
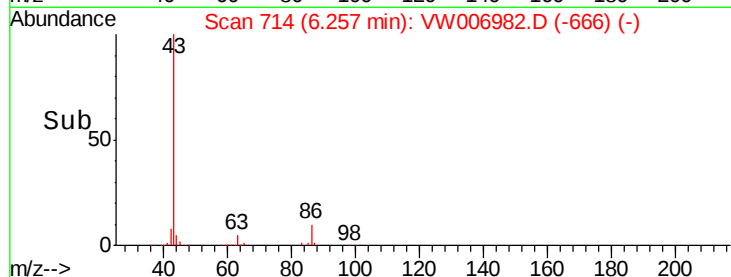
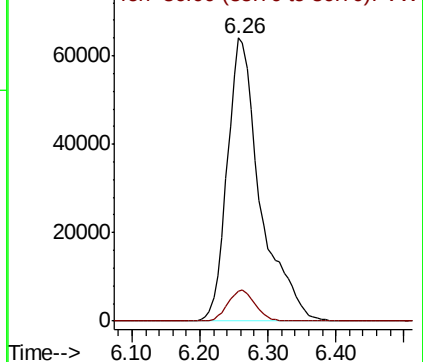
Ion Ratio Lower Upper

43 100

86 10.4 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.309 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

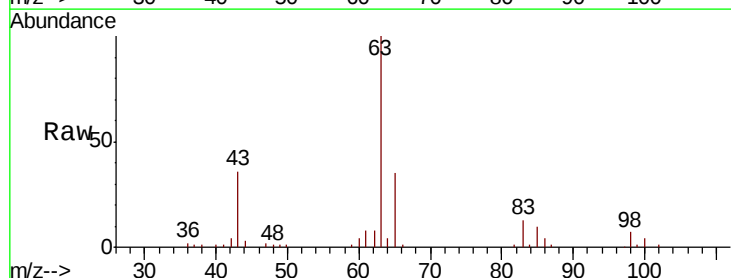
Tgt Ion: 63 Resp: 43553

Ion Ratio Lower Upper

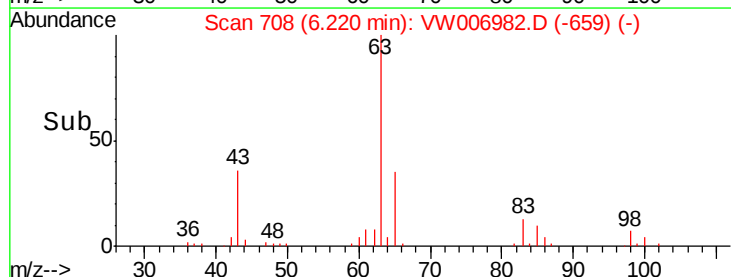
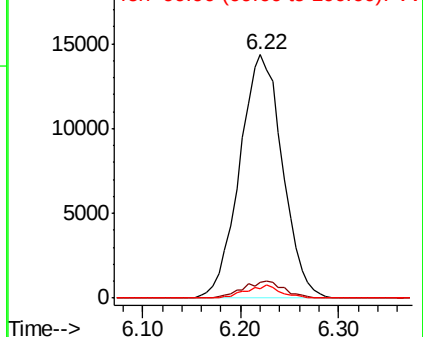
63 100

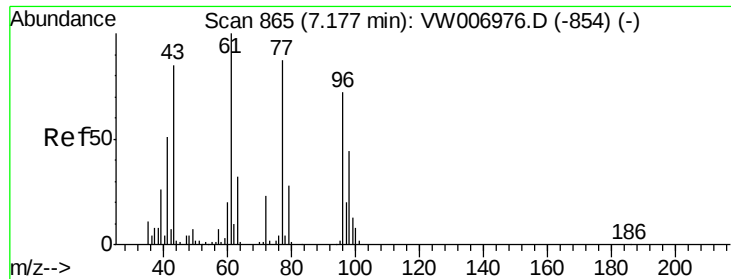
98 6.6 3.1 9.4

100 4.0 2.3 6.9



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: 109.675 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

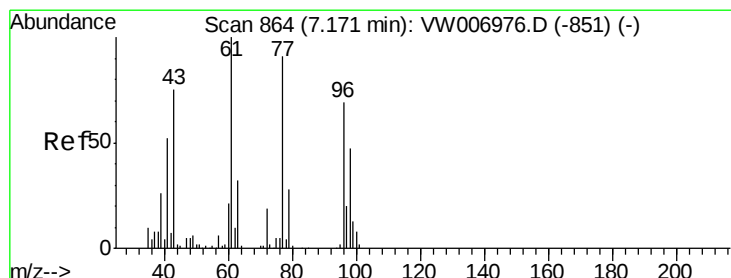
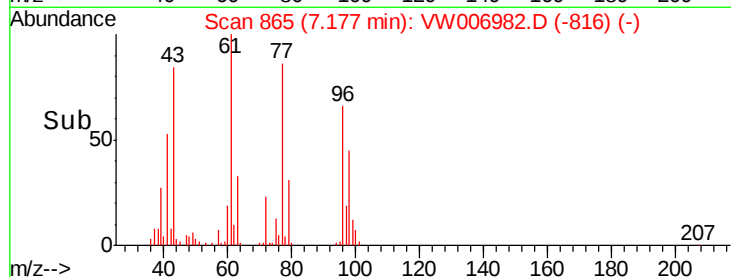
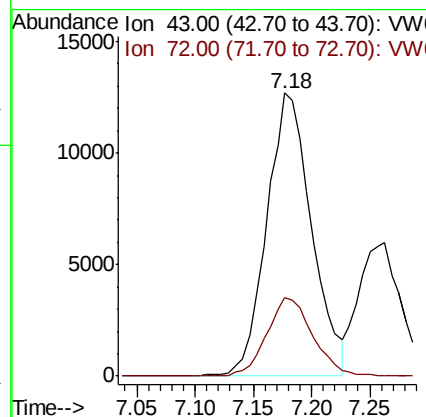
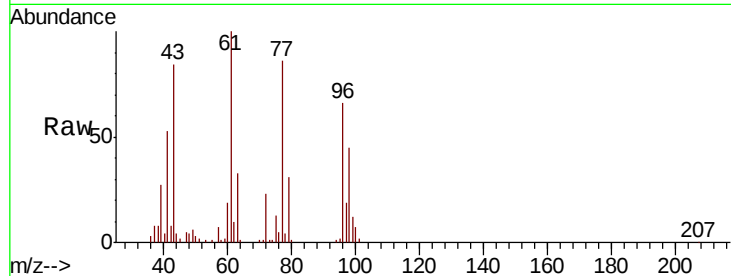
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 33879

Ion Ratio Lower Upper

43 100

72 27.7 21.3 31.9



#26

2,2-Dichloropropane

Concen: 20.346 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006982.D

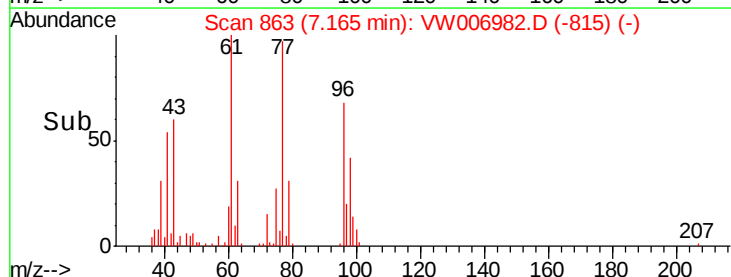
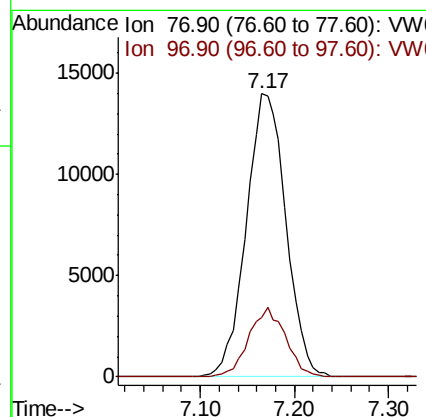
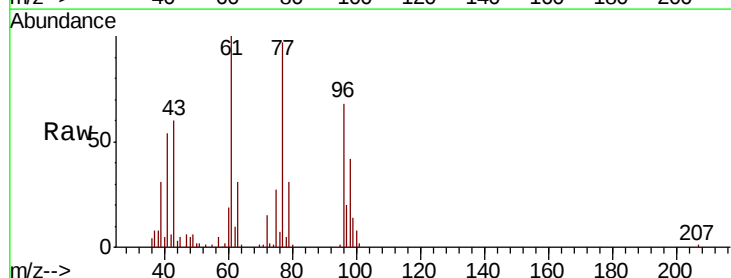
Acq: 20 Nov 2018 18:50

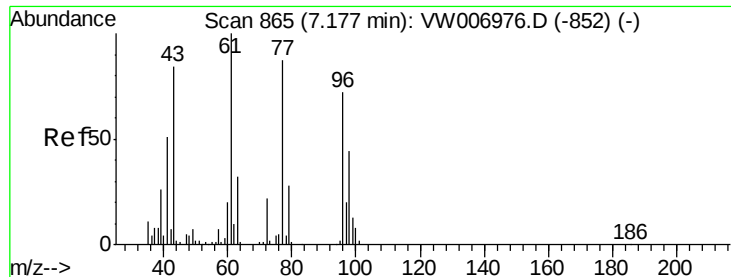
Tgt Ion: 77 Resp: 41268

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1



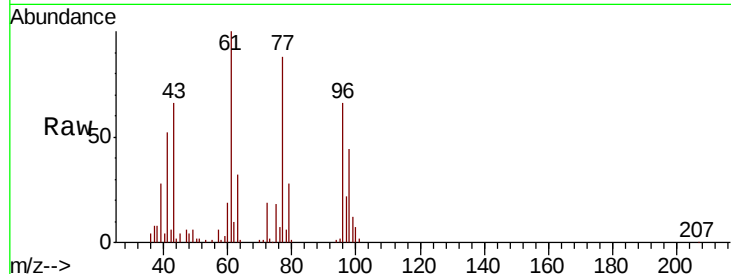


#27

cis-1,2-Dichloroethene
Concen: 19.200 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	96	Resp	27355
Ion	Ratio	Lower	Upper
96	100		
61	152.4	0.0	292.6
98	65.6	0.0	129.8

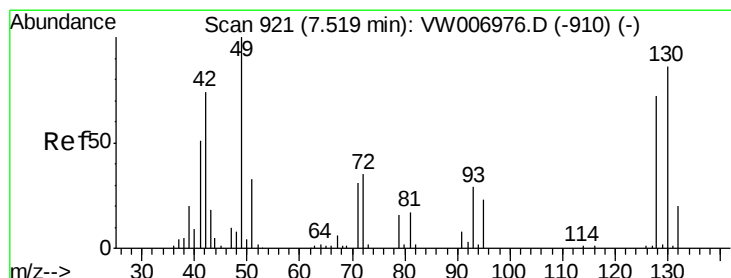
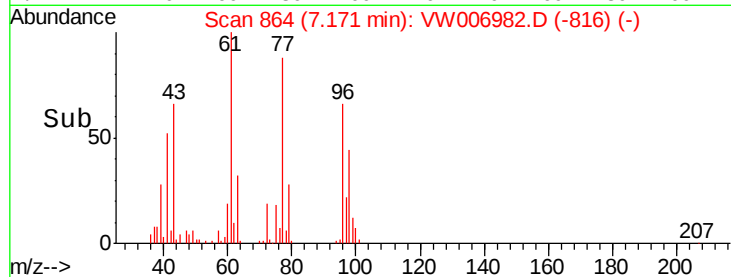
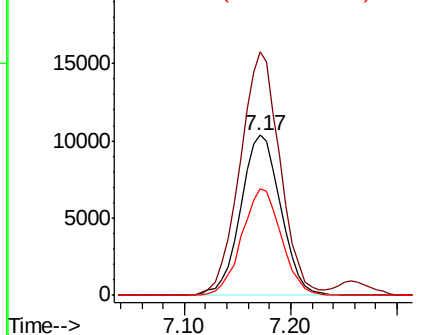


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

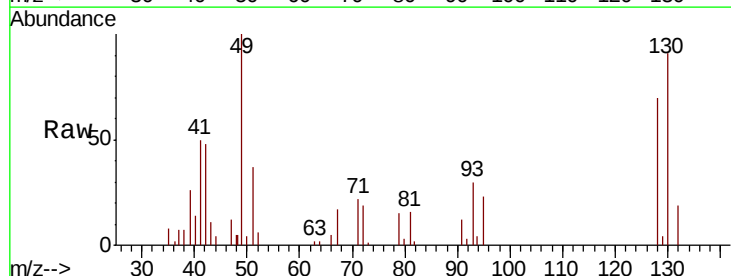
Ion 97.90 (97.60 to 98.60): VW



#28

Bromochloromethane
Concen: 18.353 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion	49	Resp	15472
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	2.0
130	86.9	69.0	103.4

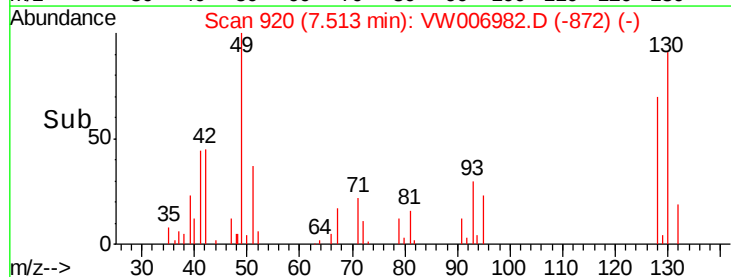
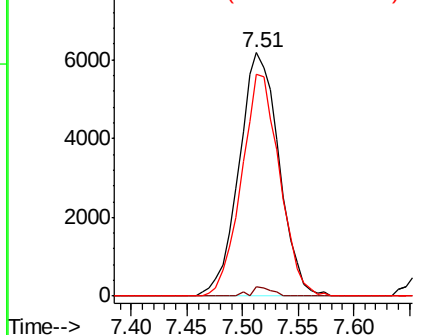


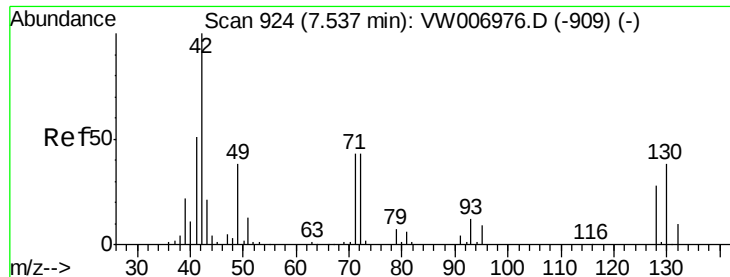
Abundance

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: 109.027 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

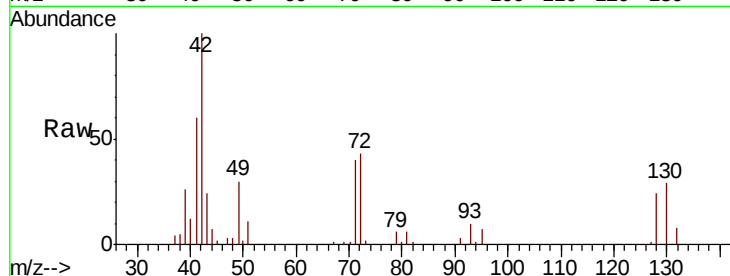
Tot Ion: 42 Resp: 21812

Ion Ratio Lower Upper

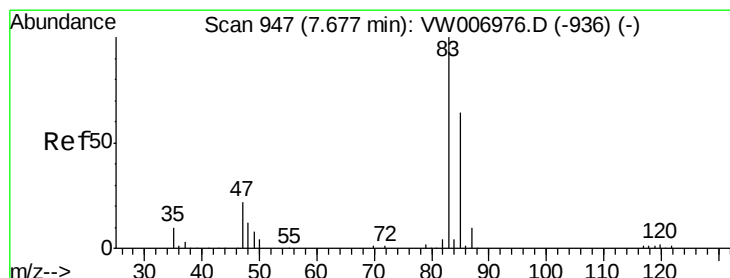
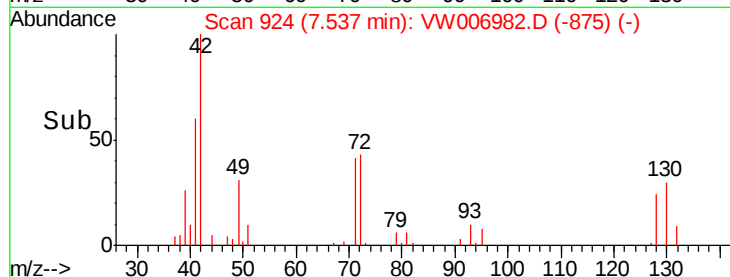
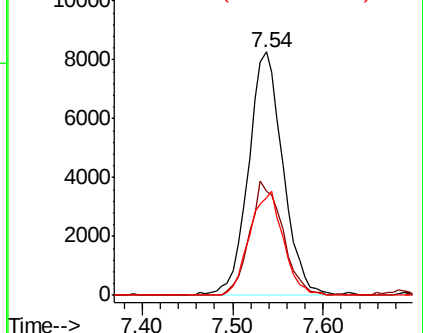
42 100

72 44.6 36.2 54.4

71 41.6 33.8 50.8



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



#30

Chloroform

Concen: 19.383 ug/l

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW006982.D

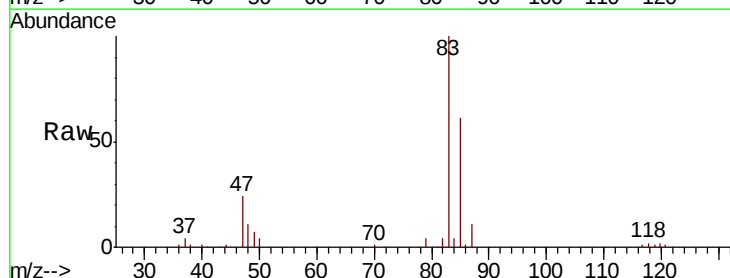
Acq: 20 Nov 2018 18:50

Tgt Ion: 83 Resp: 46448

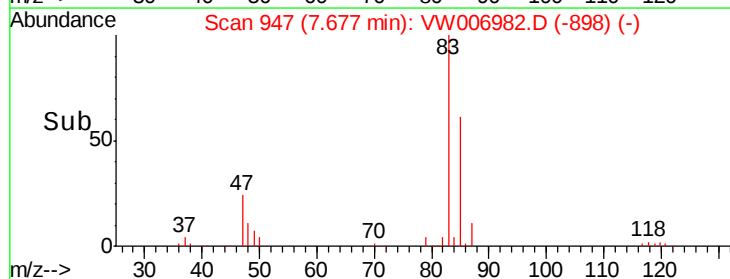
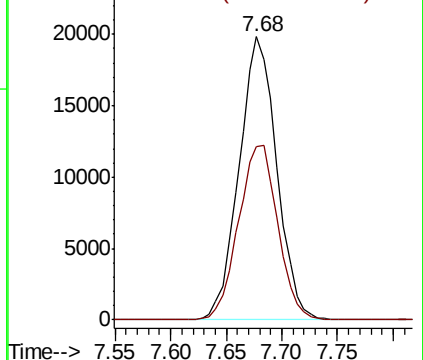
Ion Ratio Lower Upper

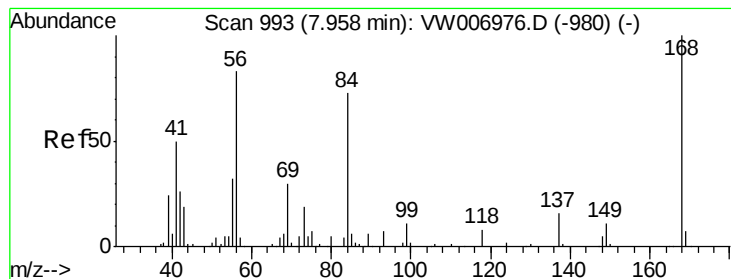
83 100

85 61.3 50.9 76.3



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





#31

Cyclohexane

Concen: 20.011 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

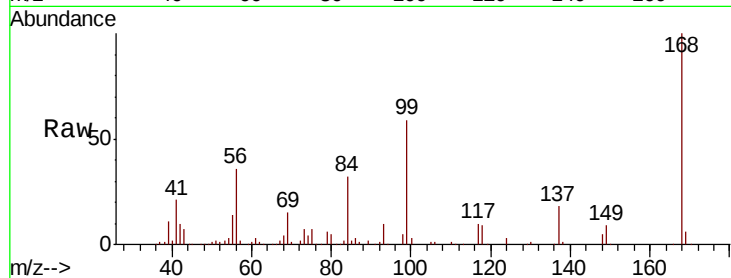
Tot Ion: 56 Resp: 47875

Ion Ratio Lower Upper

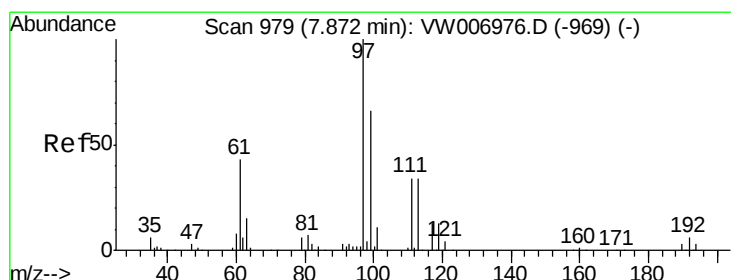
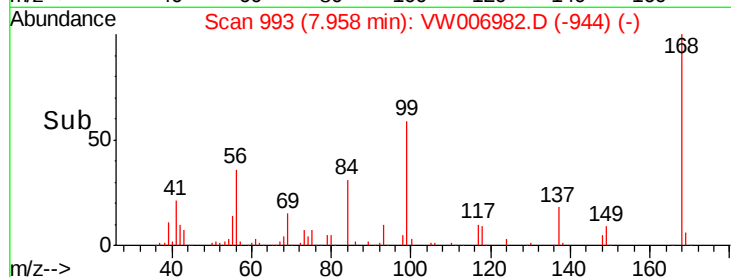
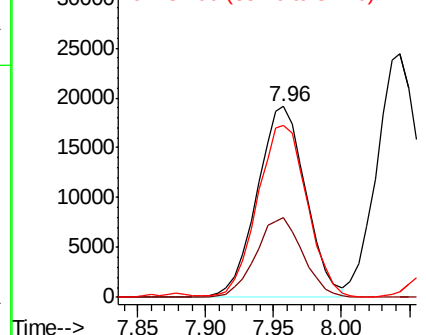
56 100

69 42.0 29.1 43.7

84 88.6 70.6 105.8



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: 20.643 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

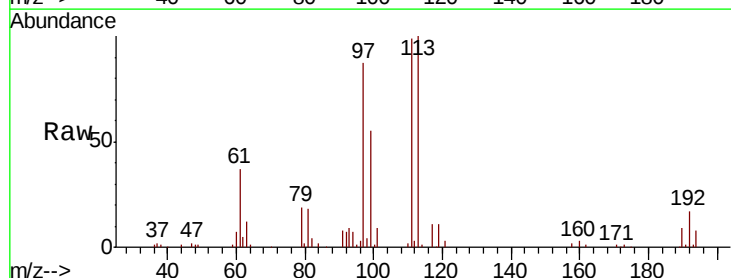
Tgt Ion: 97 Resp: 44555

Ion Ratio Lower Upper

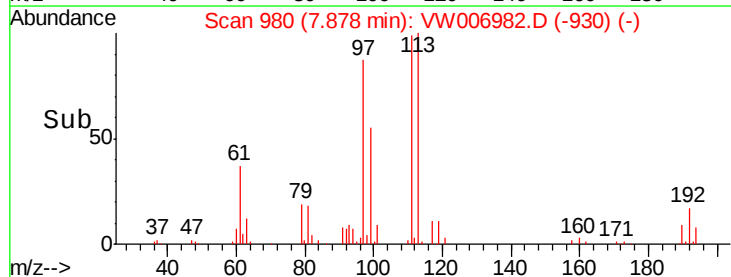
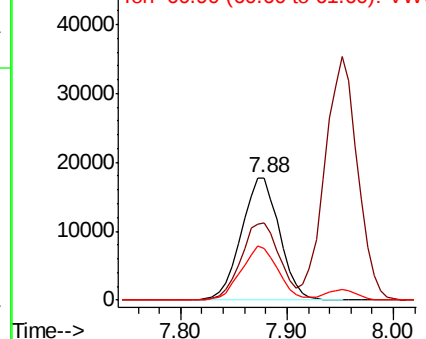
97 100

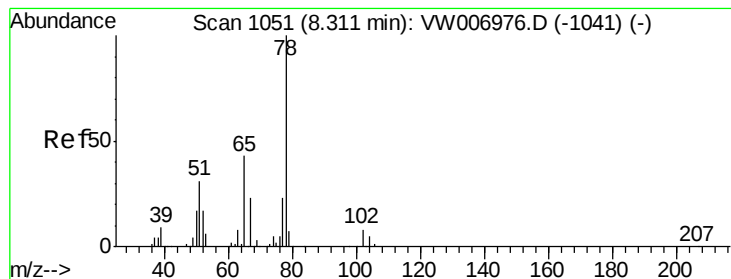
99 63.8 51.9 77.9

61 42.9 33.4 50.2



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: 51.027 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

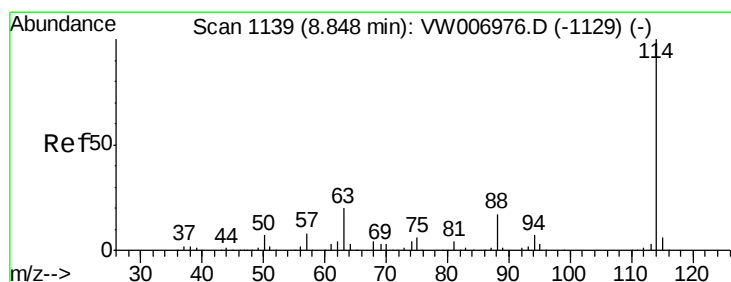
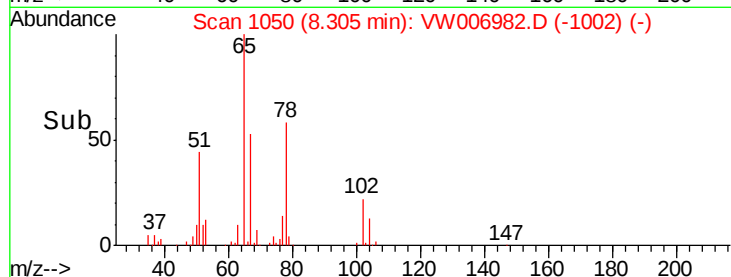
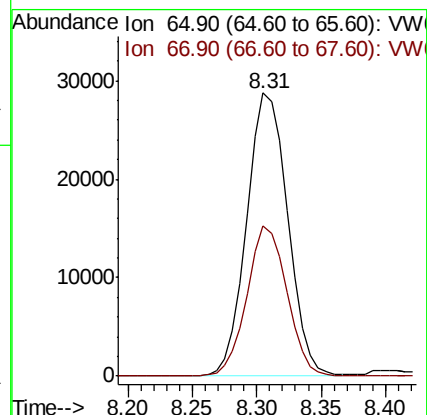
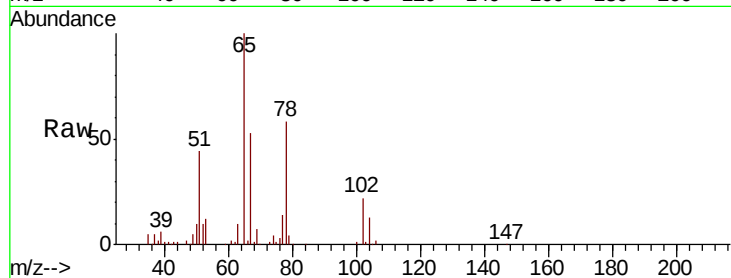
ClientSampleId :

Tot Ion: 65 Resp: 63387

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

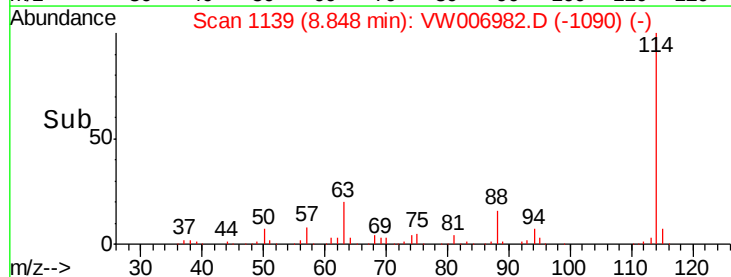
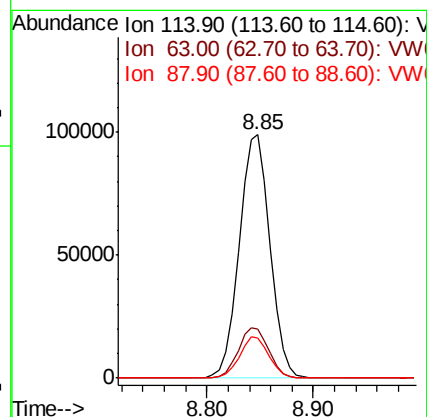
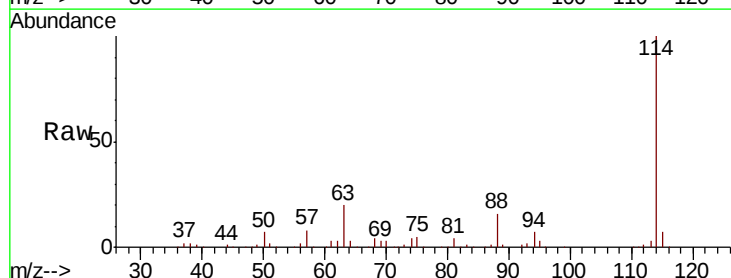
Tgt Ion: 114 Resp: 200065

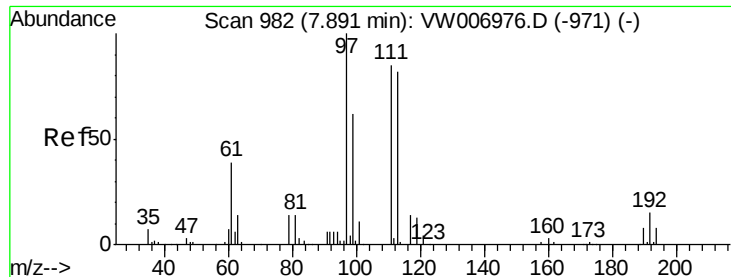
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.4

88 16.3 0.0 34.2

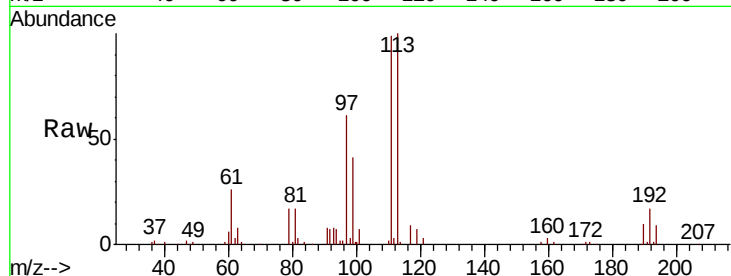




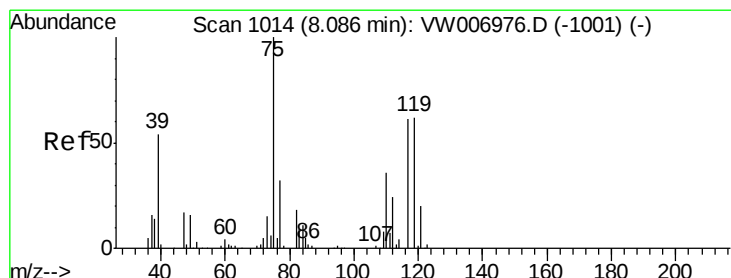
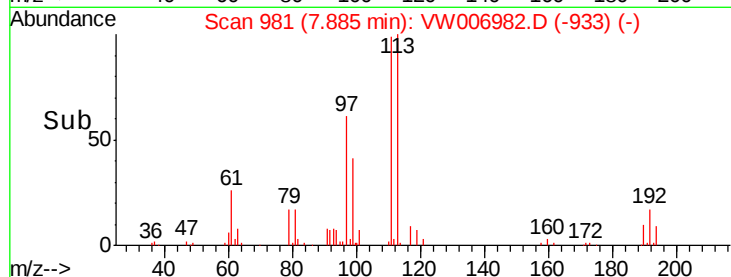
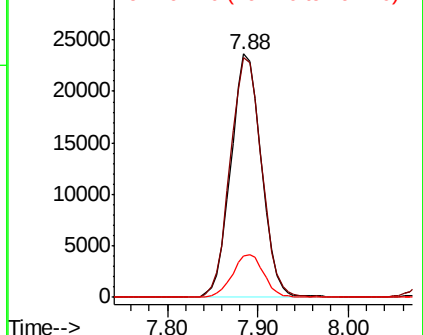
#35
 Dibromofluoromethane
 Concen: 48.898 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:113 Resp: 55246
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.0 121.6
 192 17.9 15.0 22.6

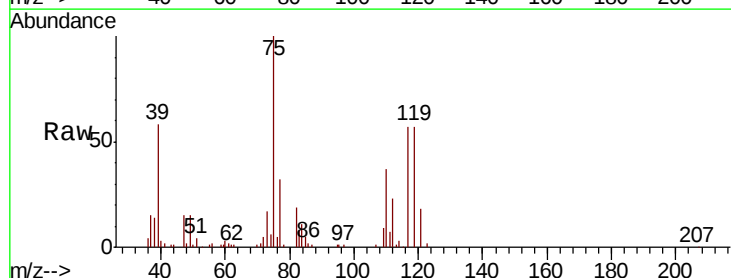


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

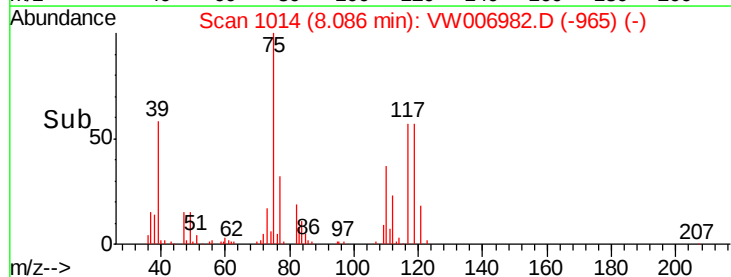
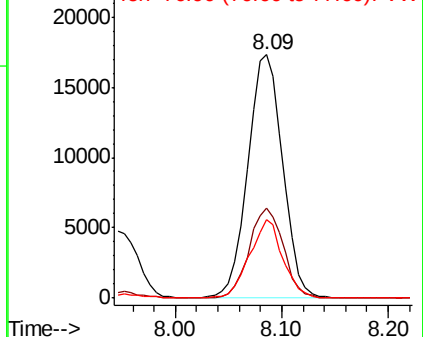


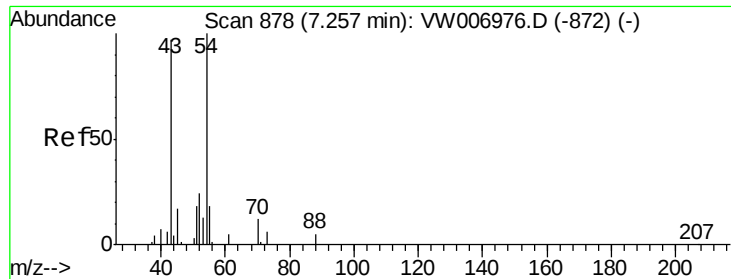
#36
 1,1-Dichloropropene
 Concen: 20.361 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 75 Resp: 39806
 Ion Ratio Lower Upper
 75 100
 110 36.2 18.0 54.0
 77 30.6 24.9 37.3



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

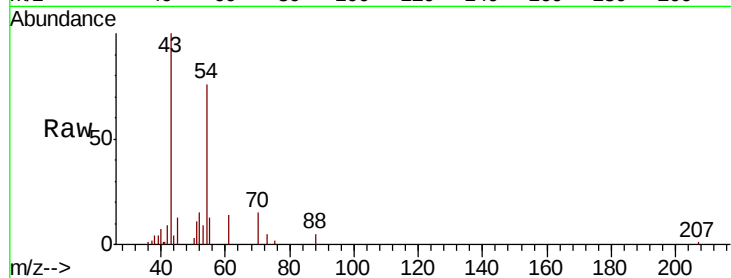




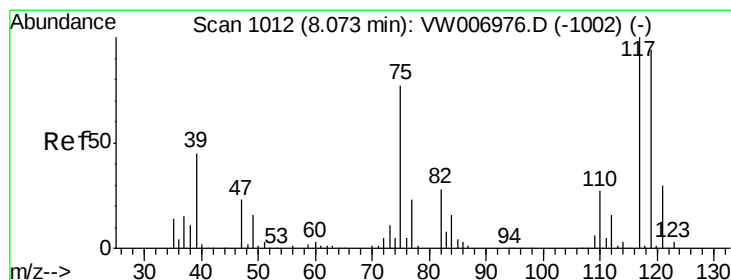
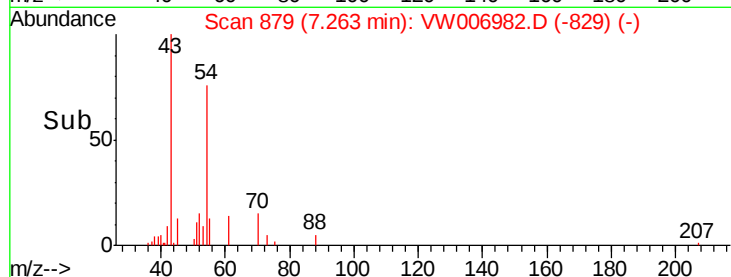
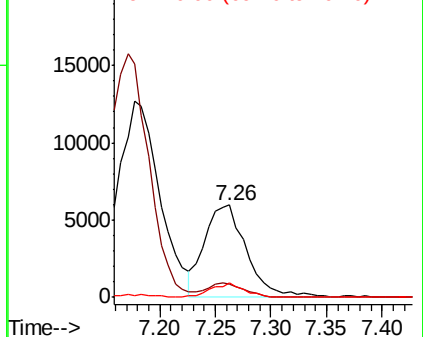
#37
Ethyl Acetate
Concen: 22.250 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 15763
Ion Ratio Lower Upper
43 100
61 13.4 10.4 15.6
70 11.8 8.8 13.2

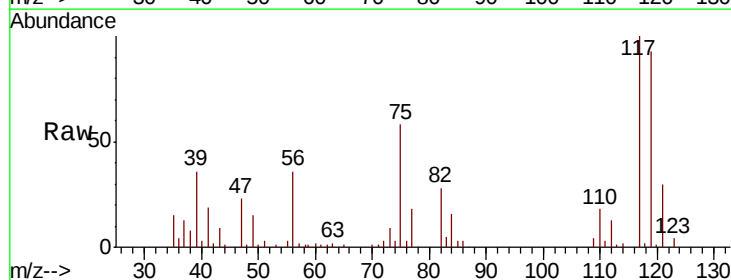


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

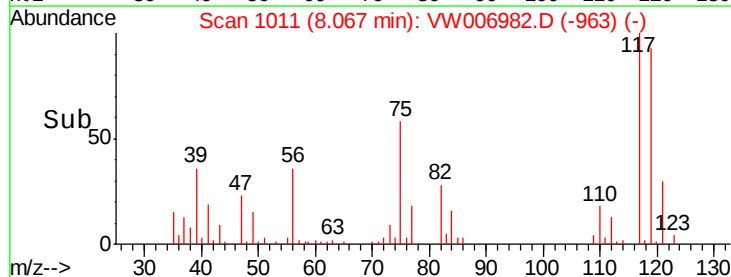
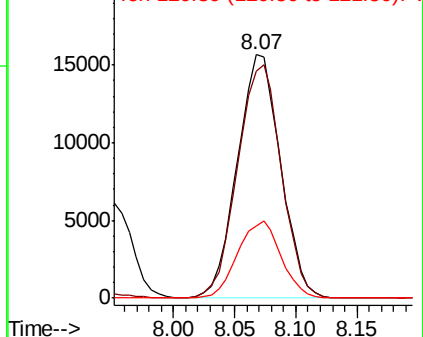


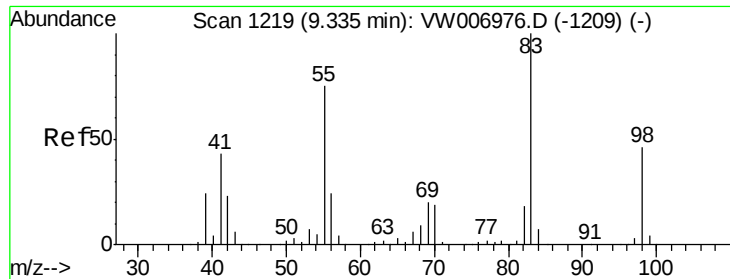
#38
Carbon Tetrachloride
Concen: 20.550 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 117 Resp: 38473
Ion Ratio Lower Upper
117 100
119 93.5 74.9 112.3
121 29.9 23.6 35.4



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

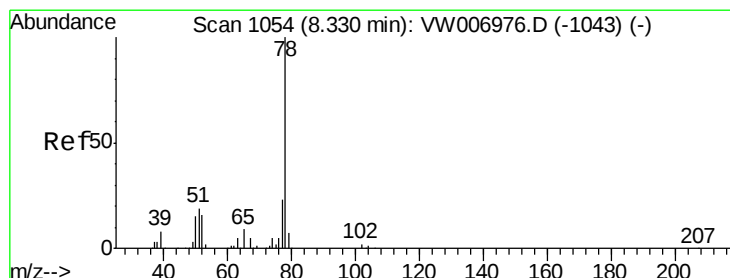
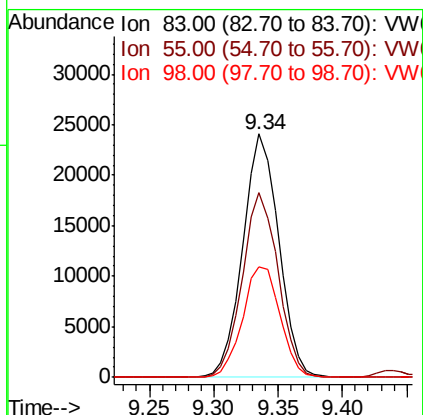
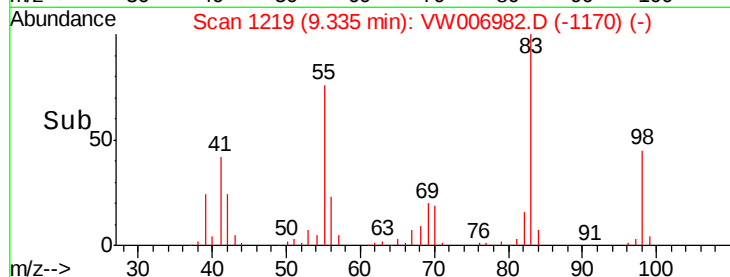
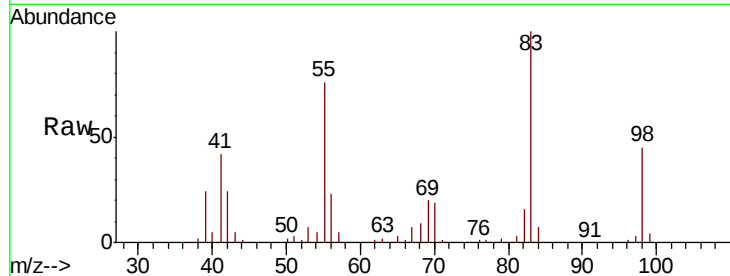




#39
Methvlcvclohexane
Concen: 19.047 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

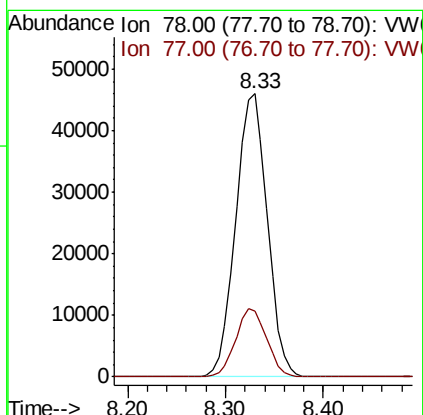
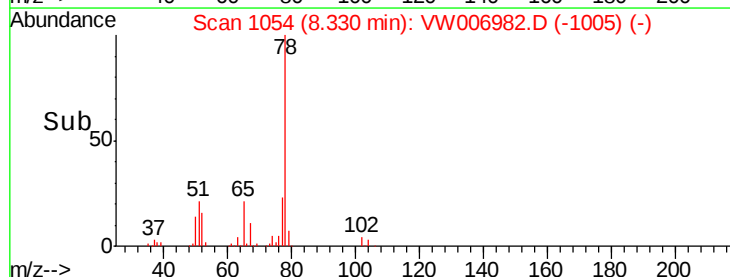
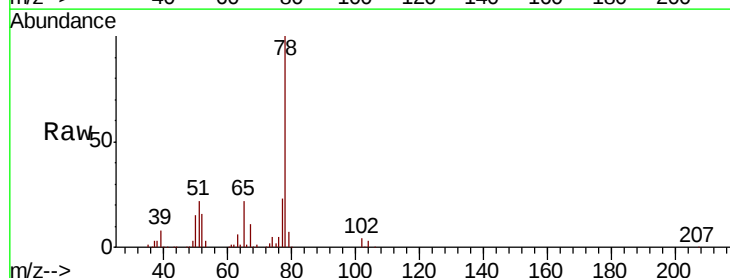
Instrument :
MSVOA_W
ClientSampleId :

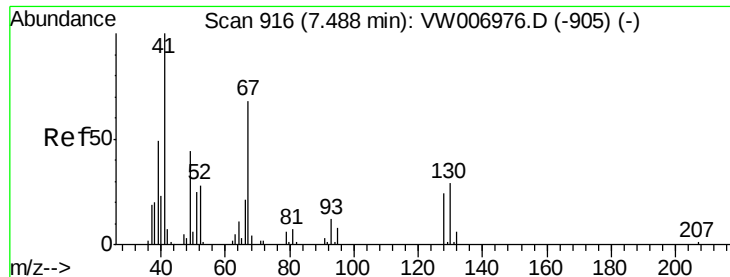
Tot Ion: 83 Resp: 46599
Ion Ratio Lower Upper
83 100
55 75.6 59.6 89.4
98 45.5 37.1 55.7



#40
Benzene
Concen: 19.563 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 78 Resp: 103243
Ion Ratio Lower Upper
78 100
77 23.4 18.6 28.0

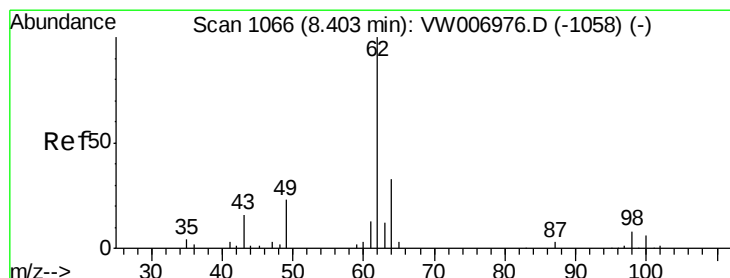
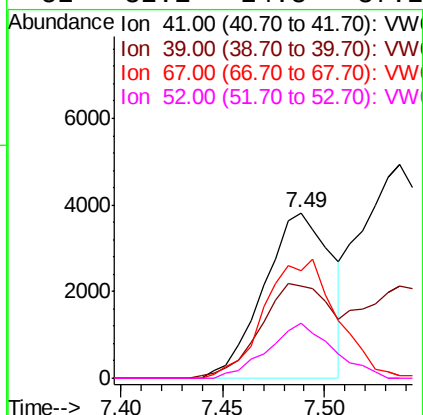
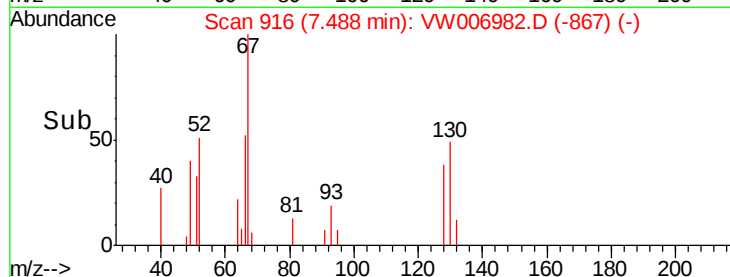
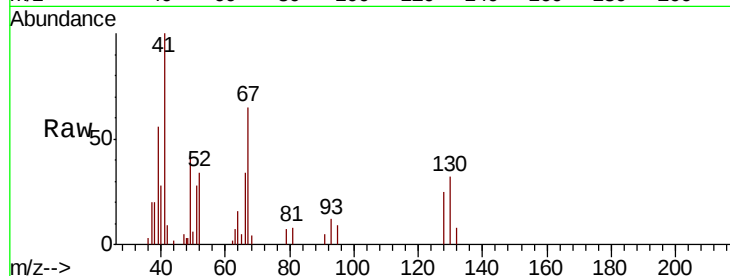




#41
Methacrylonitrile
Concen: 20.042 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

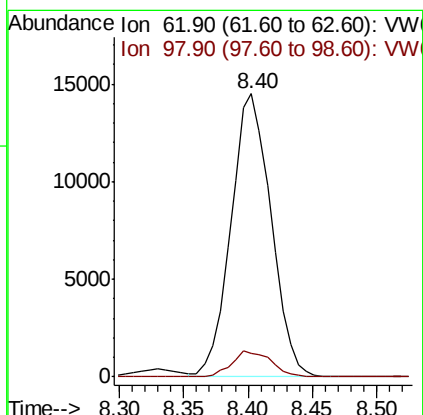
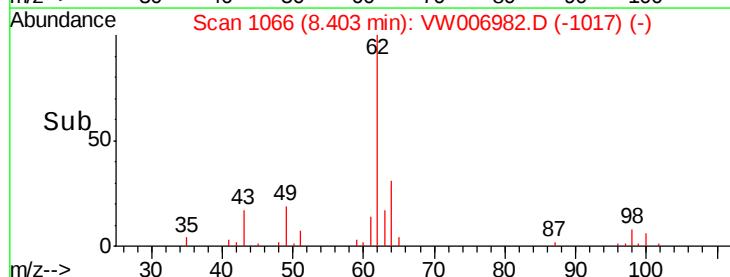
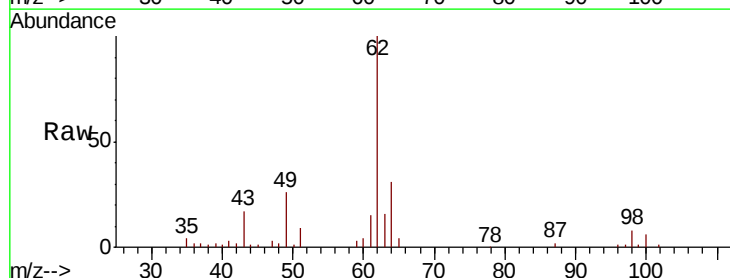
Instrument :
MSVOA_W
ClientSampled :

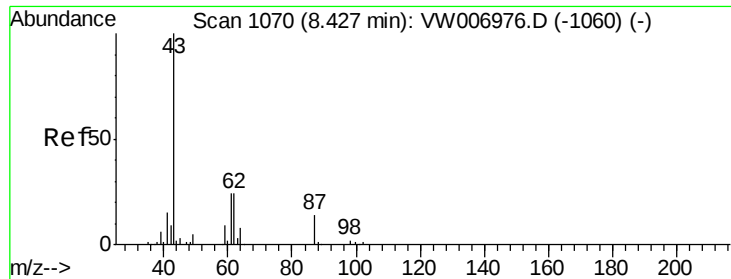
Tot Ion:	41	Resp:	8818
Ion	Ratio	Lower	Upper
41	100		
39	59.2	48.6	73.0
67	77.3	59.8	89.8
52	32.1	24.8	37.2



#42
1,2-Dichloroethane
Concen: 20.515 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion:	62	Resp:	31432
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6

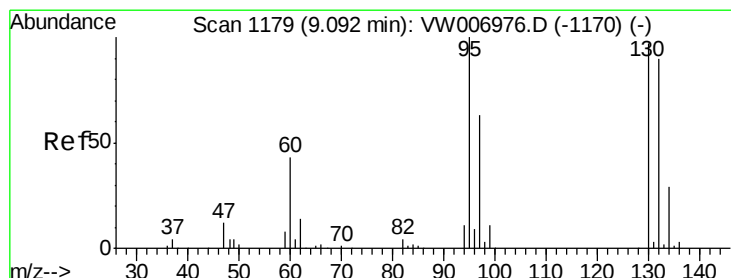
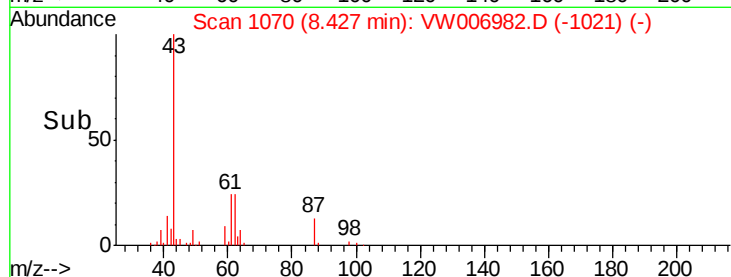
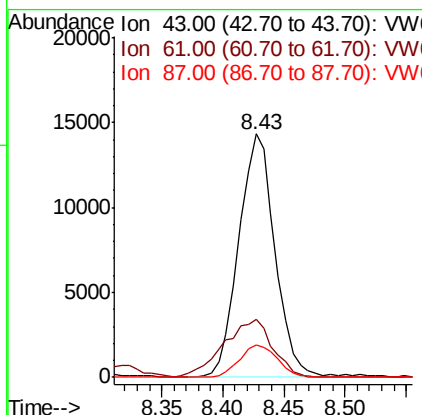
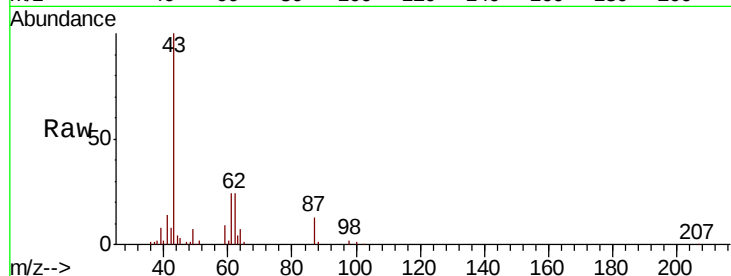




#43
Isopropyl Acetate
Concen: 21.764 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

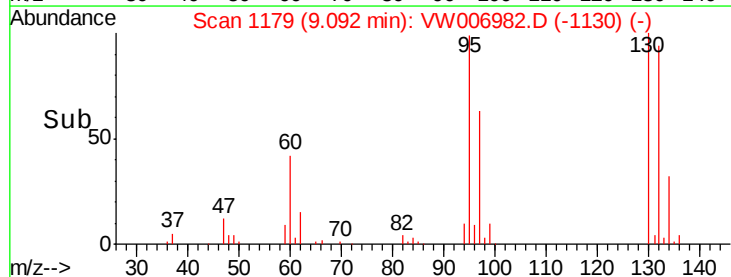
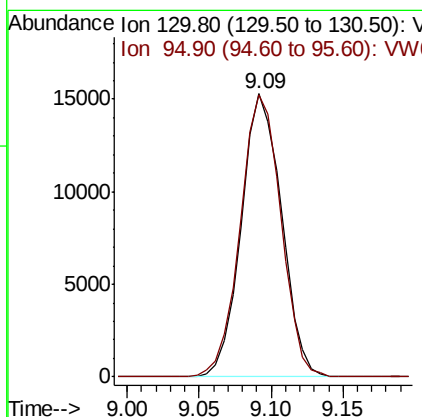
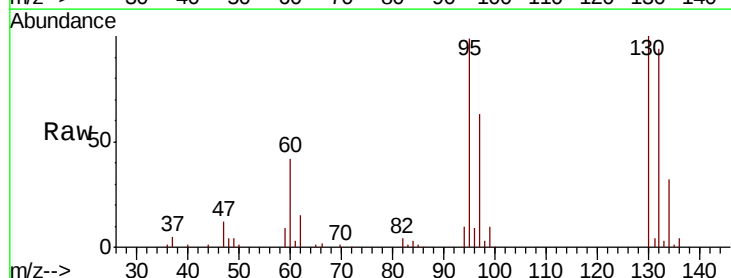
Instrument :
MSVOA_W
ClientSampleId :

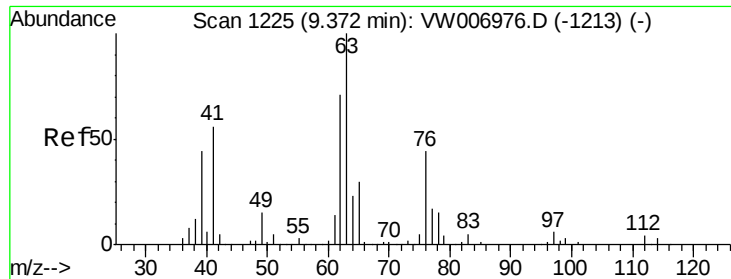
Tot Ion: 43 Resp: 29383
Ion Ratio Lower Upper
43 100
61 32.1 26.1 39.1
87 13.9 11.2 16.8



#44
Trichloroethene
Concen: 19.986 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 130 Resp: 29567
Ion Ratio Lower Upper
130 100
95 99.5 0.0 206.4

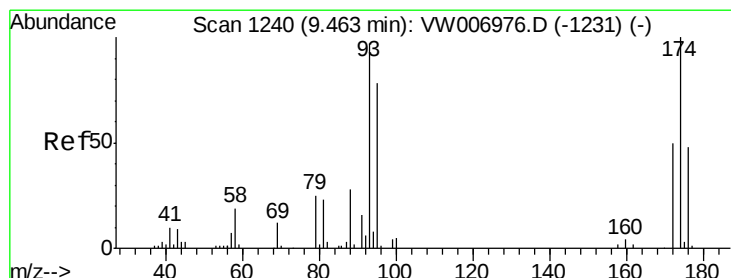
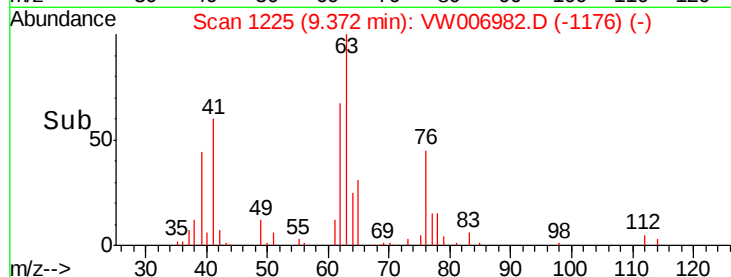
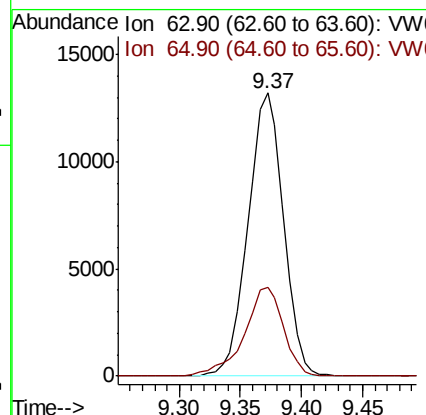
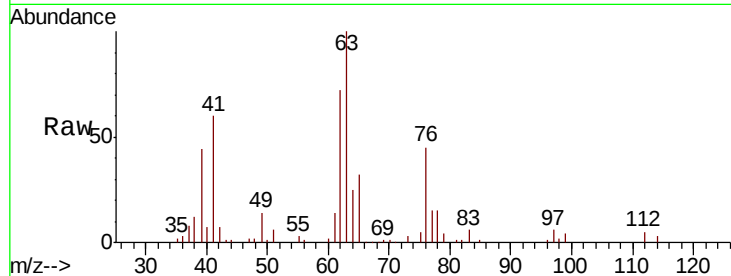




#45
 1,2-Dichloropropane
 Concen: 20.471 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

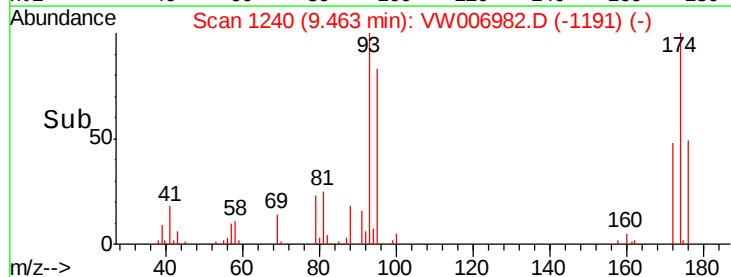
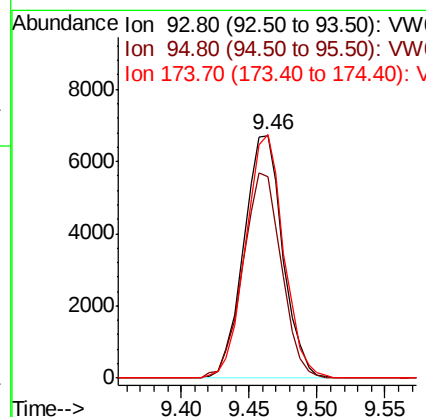
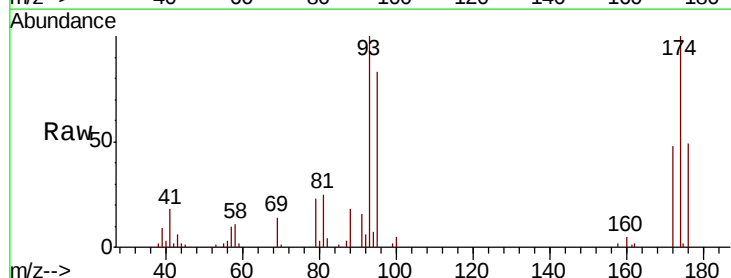
Instrument :
 MSVOA_W
 ClientSampled :

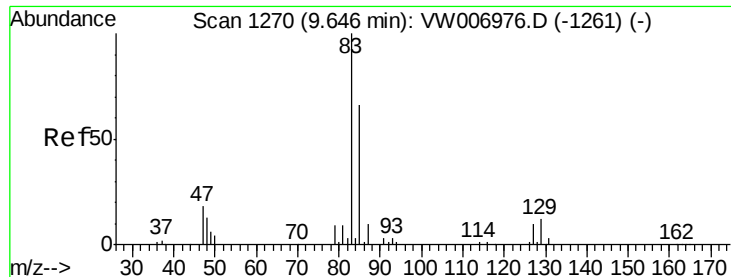
Tot Ion: 63 Resp: 26631
 Ion Ratio Lower Upper
 63 100
 65 31.6 24.4 36.6



#46
 Dibromomethane
 Concen: 20.650 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 93 Resp: 13453
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.1 99.1
 174 98.2 79.7 119.5





#47

Bromodichloromethane

Concen: 20.818 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

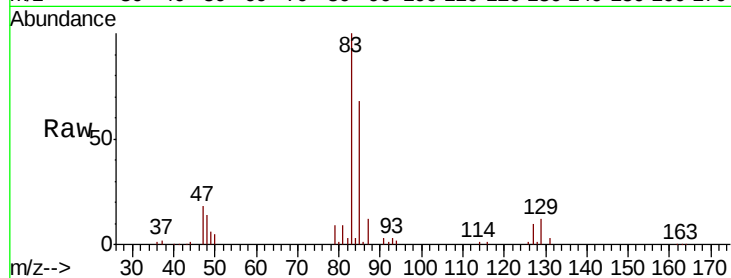
Tot Ion: 83 Resp: 35733

Ion Ratio Lower Upper

83 100

85 68.5 52.9 79.3

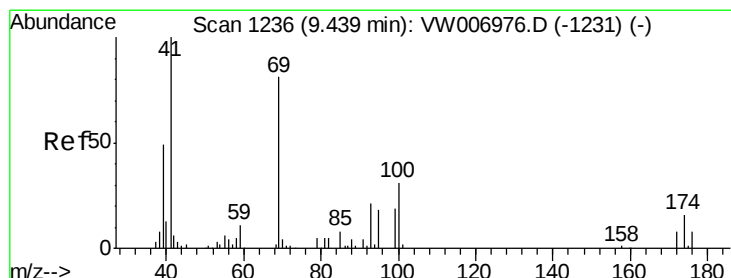
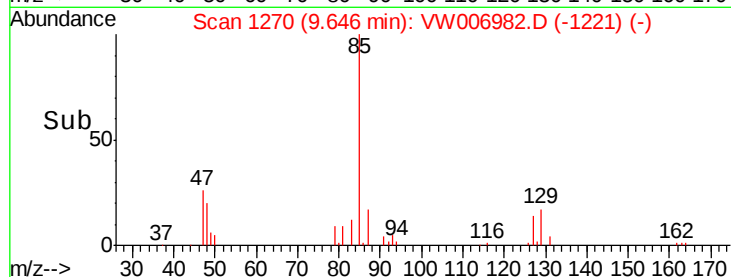
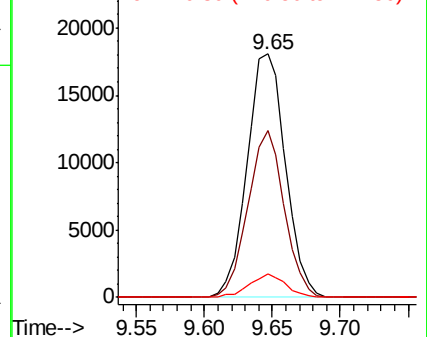
127 9.6 7.8 11.6



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: 20.630 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

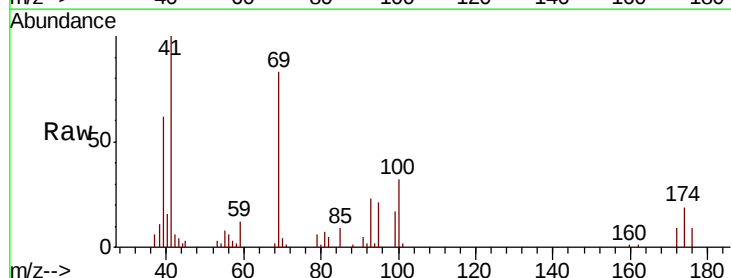
Tgt Ion: 41 Resp: 13430

Ion Ratio Lower Upper

41 100

69 89.7 71.4 107.0

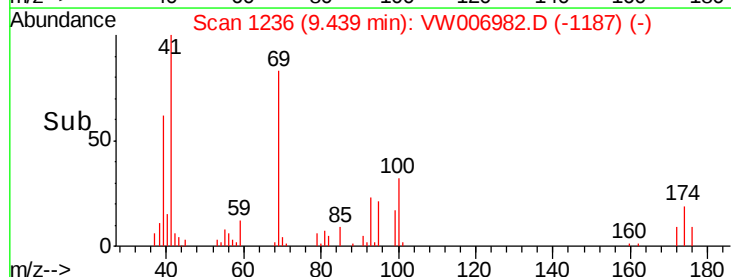
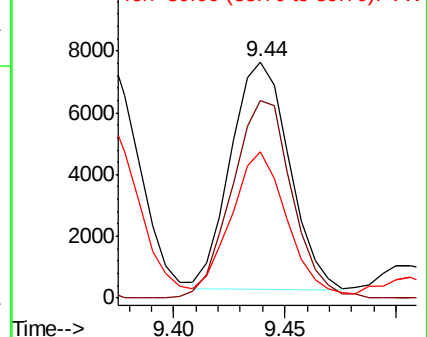
39 62.8 44.8 67.2

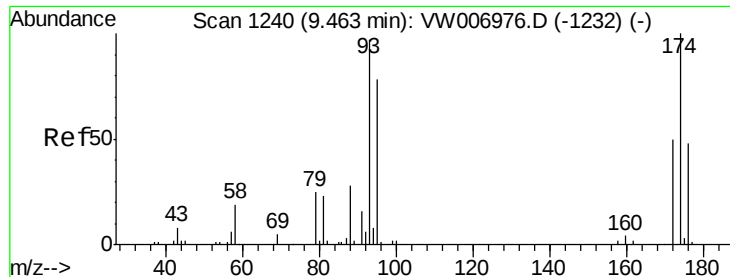


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

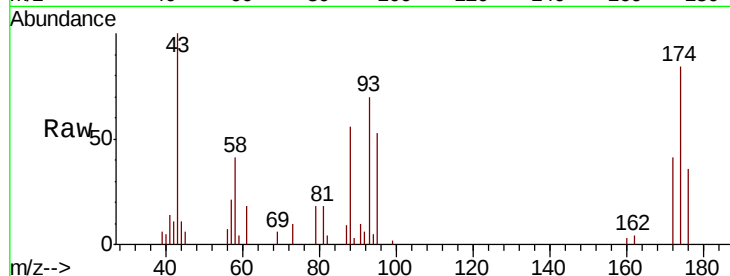




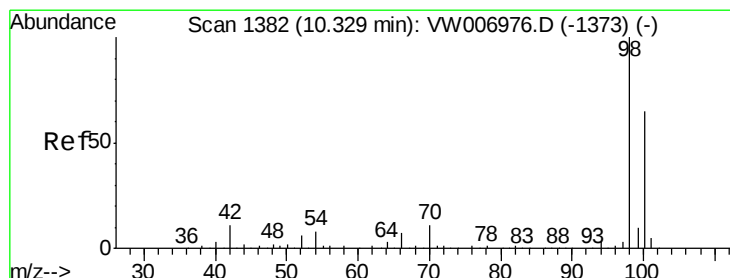
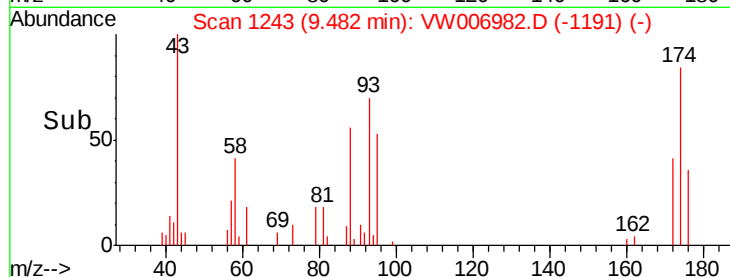
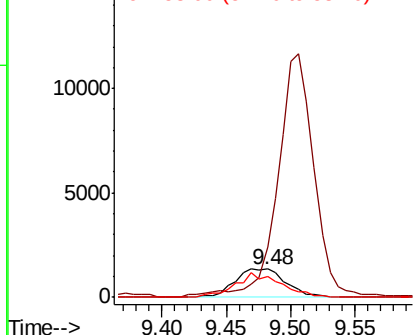
#49
1,4-Dioxane
Concen: 385.628 ug/l
RT: 9.48 min Scan# 1243
Delta R.T. 0.02 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 88 Resp: 3734
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 77.0 59.0 88.6

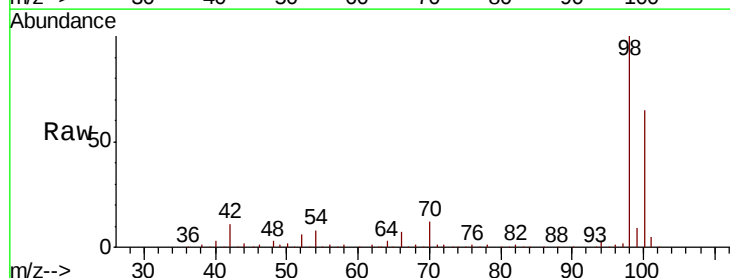


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

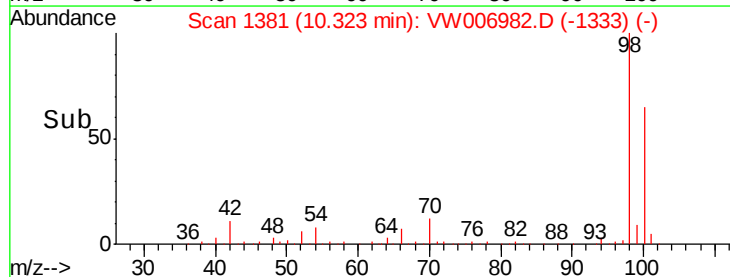
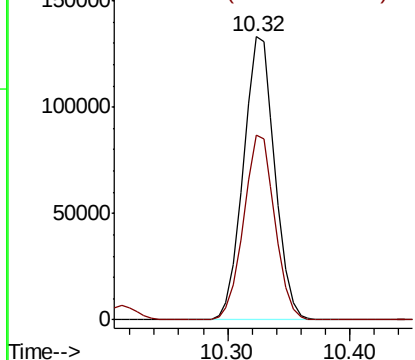


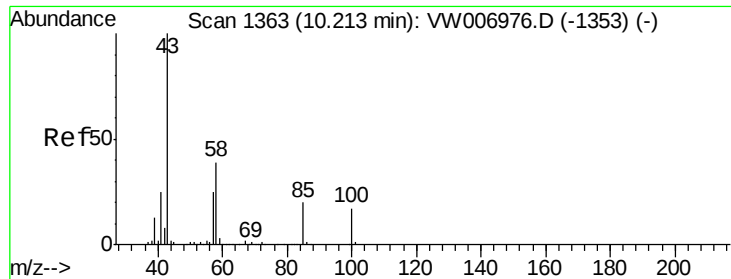
#50
Toluene-d8
Concen: 47.372 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 98 Resp: 236343
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

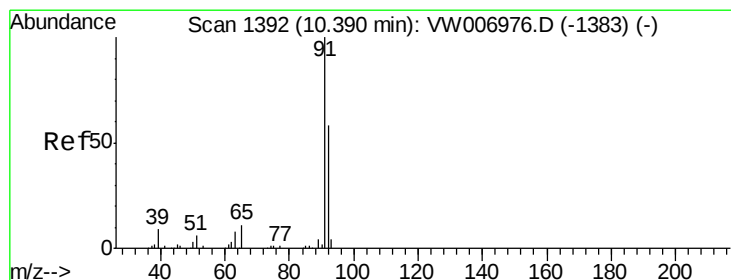
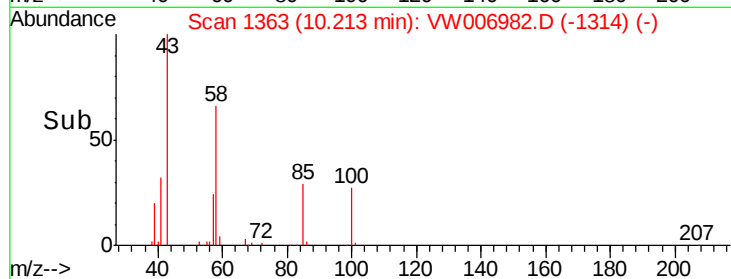
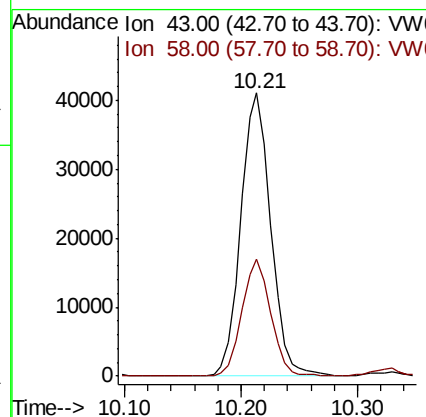
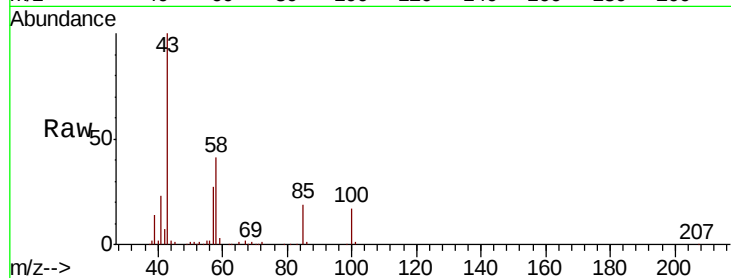




#51
 4-Methyl-2-Pentanone
 Concen: 108.043 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

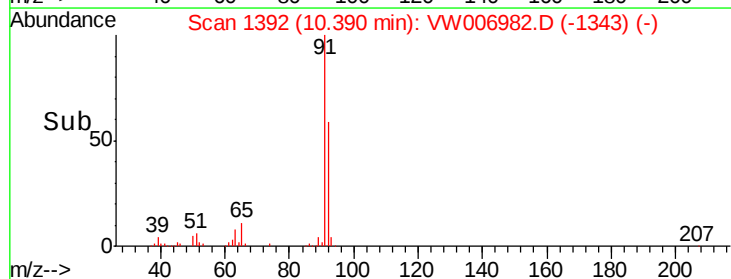
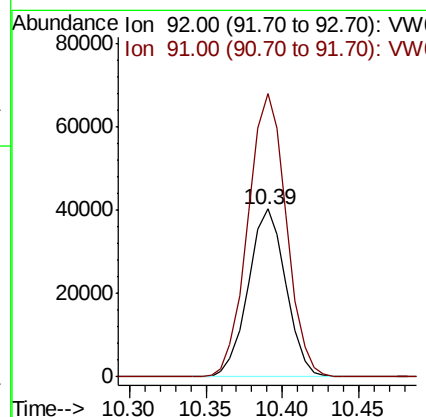
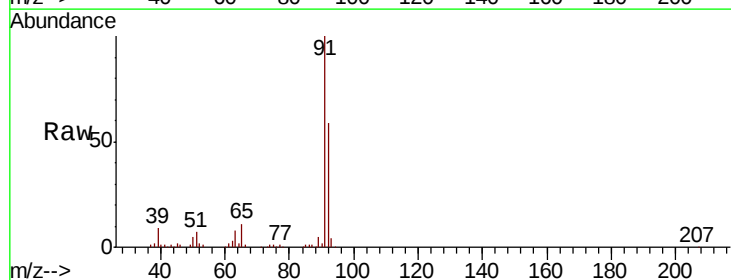
Instrument :
 MSVOA_W
 ClientSampled :

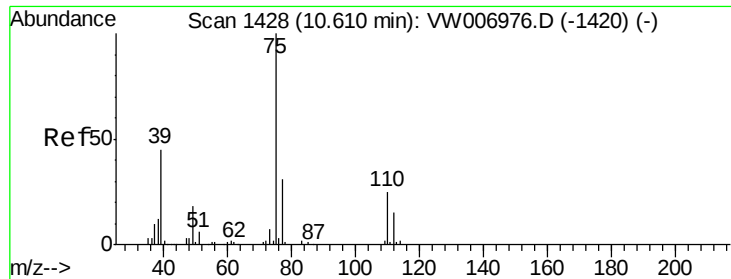
Tot Ion: 43 Resp: 73715
 Ion Ratio Lower Upper
 43 100
 58 40.0 31.8 47.6



#52
 Toluene
 Concen: 19.158 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 92 Resp: 68805
 Ion Ratio Lower Upper
 92 100
 91 172.1 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 20.605 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

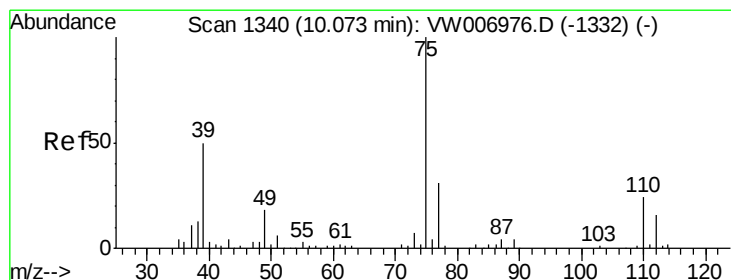
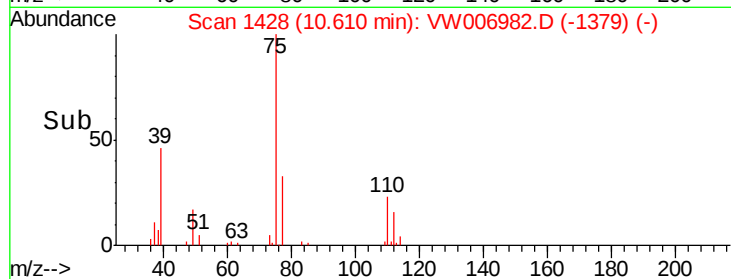
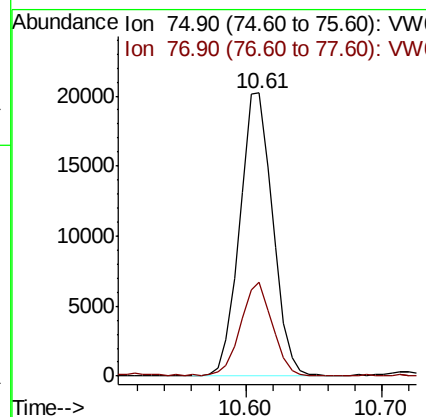
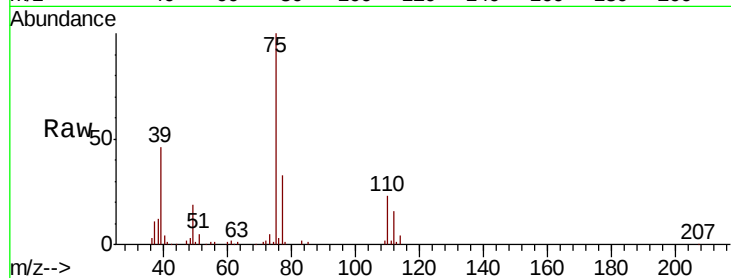
ClientSampleId :

Tot Ion: 75 Resp: 34261

Ion Ratio Lower Upper

75 100

77 33.1 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 20.457 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

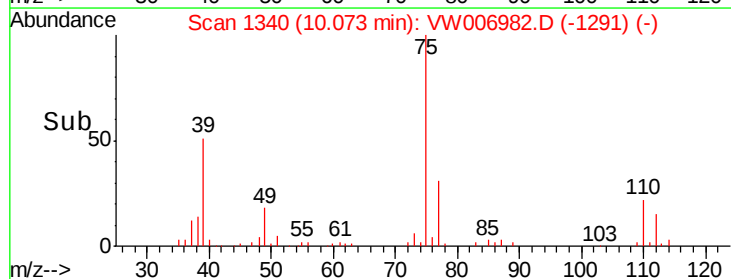
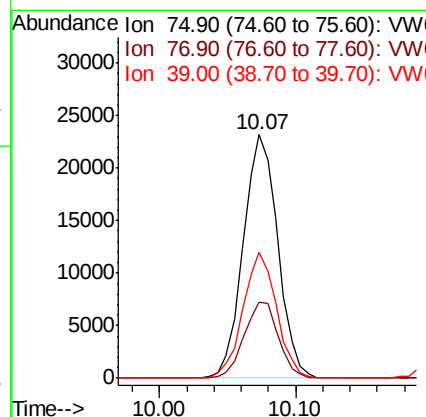
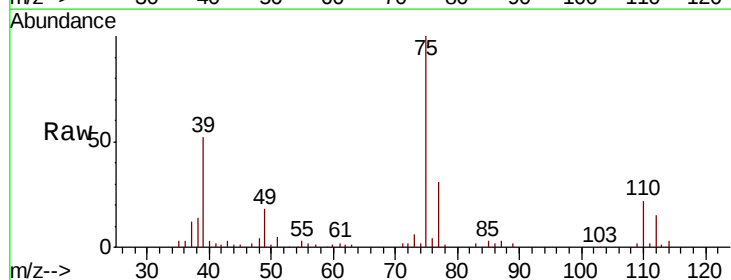
Tgt Ion: 75 Resp: 41094

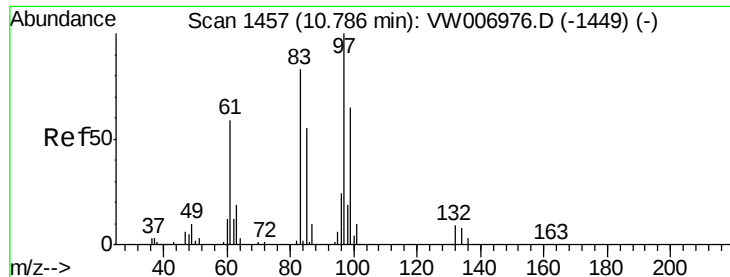
Ion Ratio Lower Upper

75 100

77 31.3 25.0 37.6

39 51.7 39.9 59.9





#55

1,1,2-Trichloroethane

Concen: 21.329 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

Tot Ion: 97 Resp: 20444

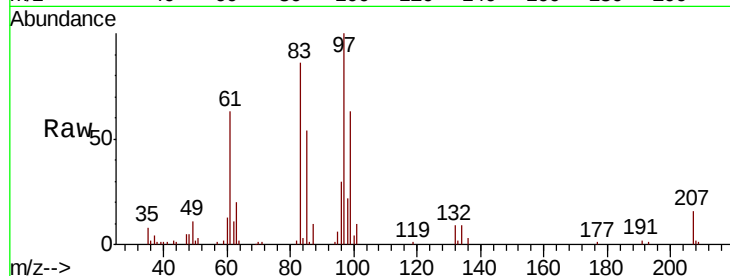
Ion Ratio Lower Upper

97 100

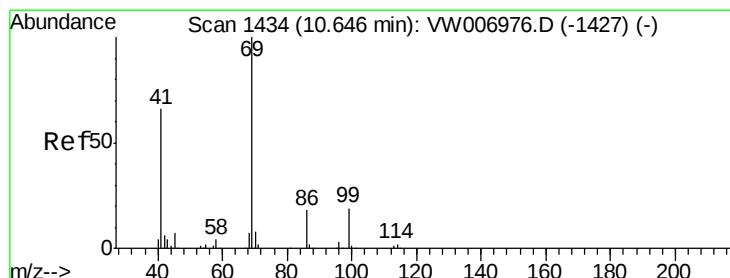
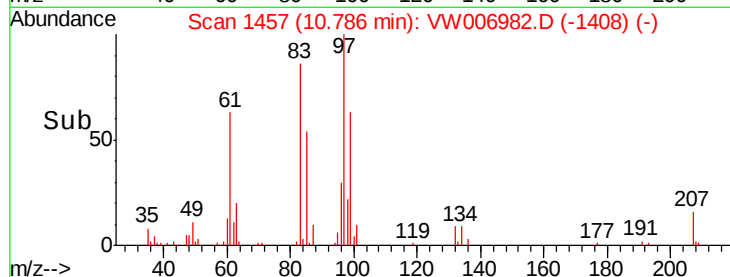
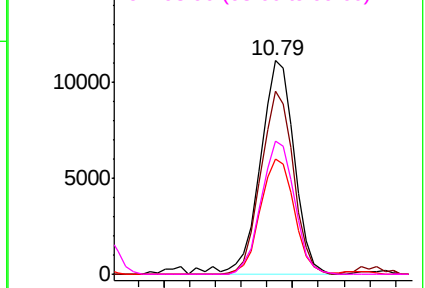
83 85.7 66.4 99.6

85 54.1 44.1 66.1

99 62.5 51.7 77.5



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



#56

Ethyl methacrylate

Concen: 21.083 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

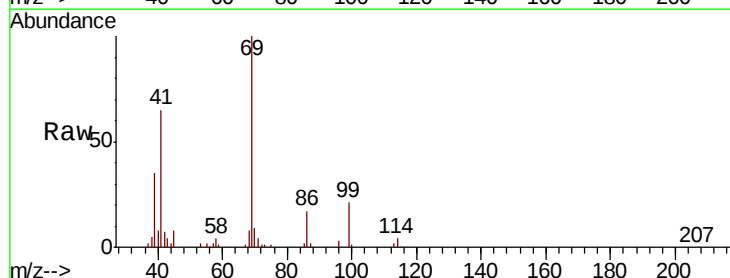
Tgt Ion: 69 Resp: 23457

Ion Ratio Lower Upper

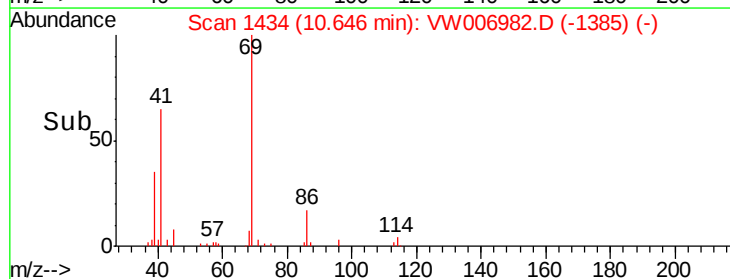
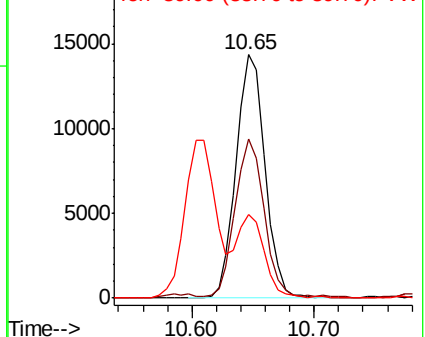
69 100

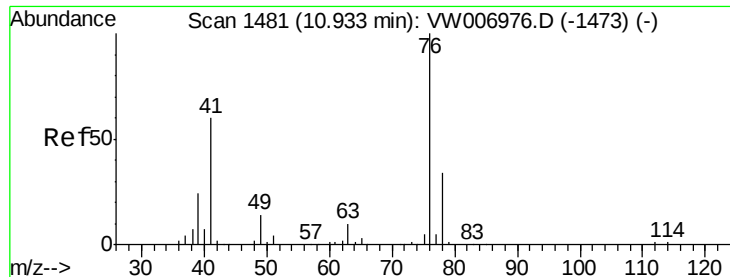
41 65.1 53.4 80.0

39 34.0 28.2 42.4



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

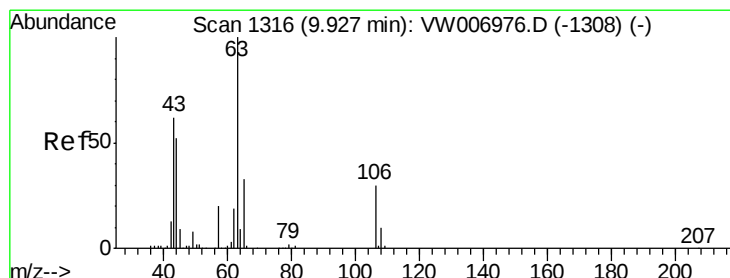
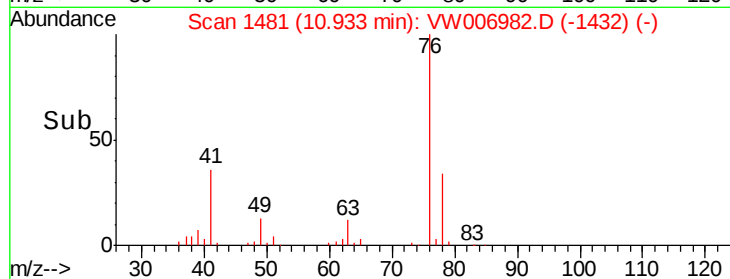
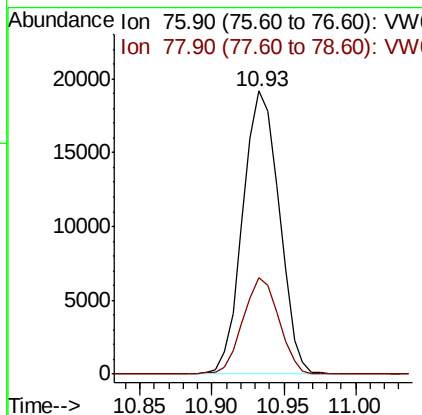
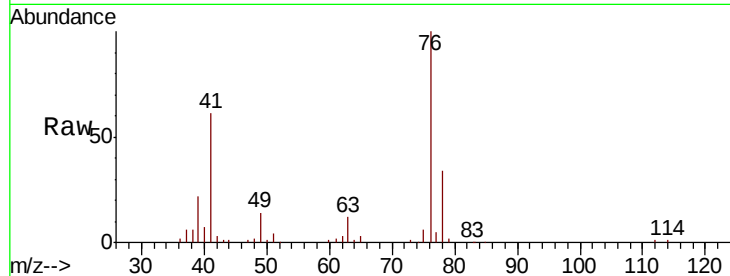




#57
 1,3-Dichloropropane
 Concen: 20.931 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

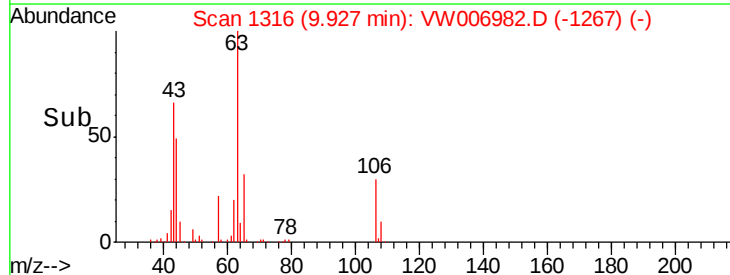
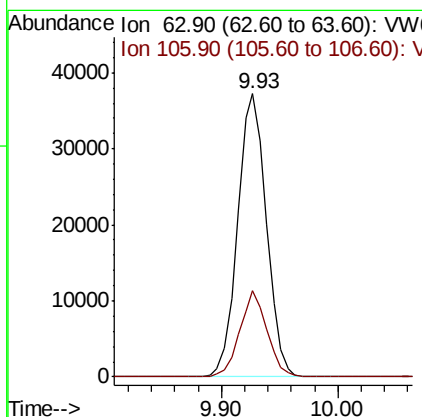
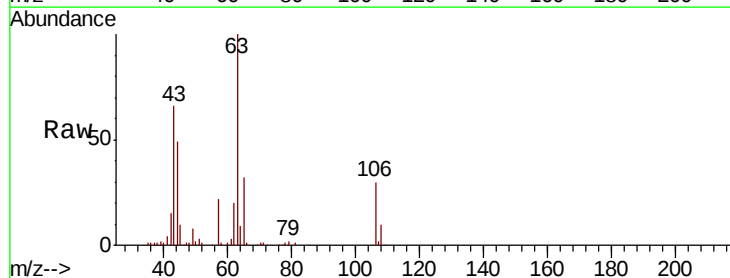
Instrument :
 MSVOA_W
 ClientSampleId :

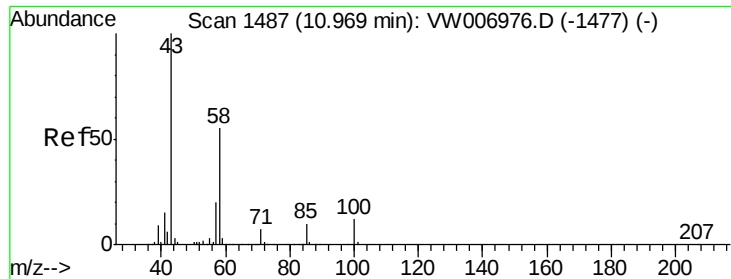
Tot Ion: 76 Resp: 33621
 Ion Ratio Lower Upper
 76 100
 78 33.6 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.093 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 63 Resp: 64007
 Ion Ratio Lower Upper
 63 100
 106 28.7 23.5 35.3

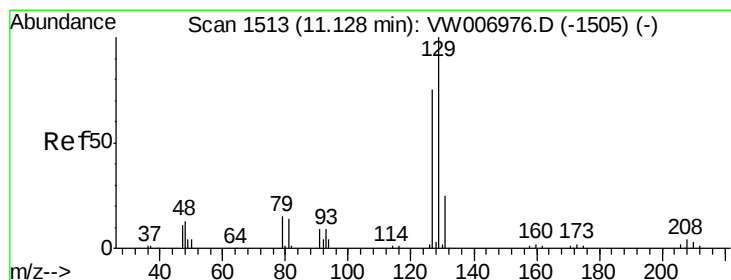
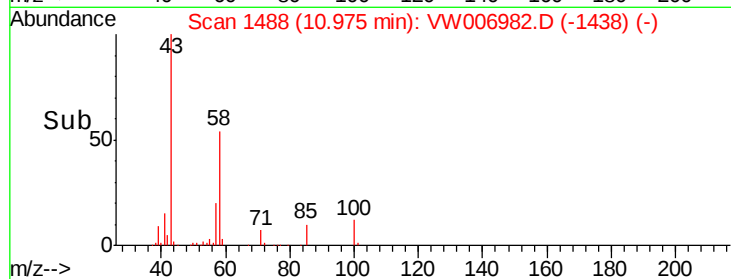
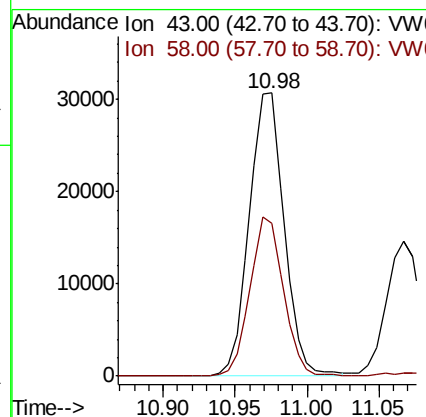
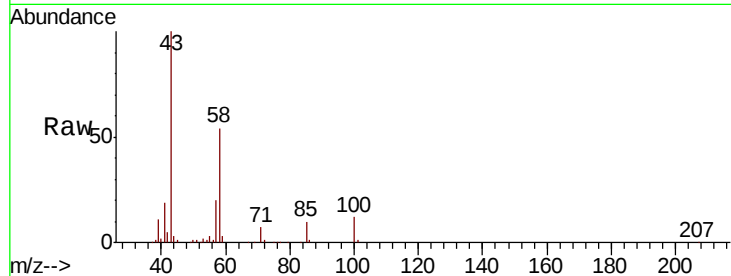




#59
2-Hexanone
Concen: 110.230 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.01 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

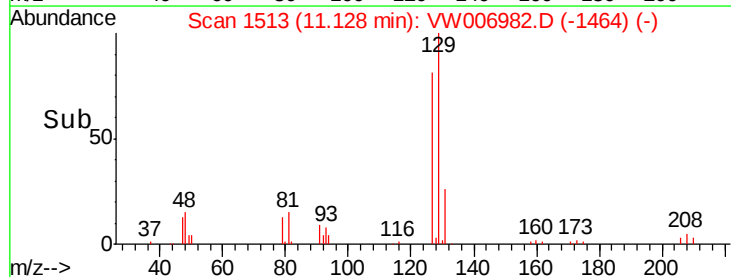
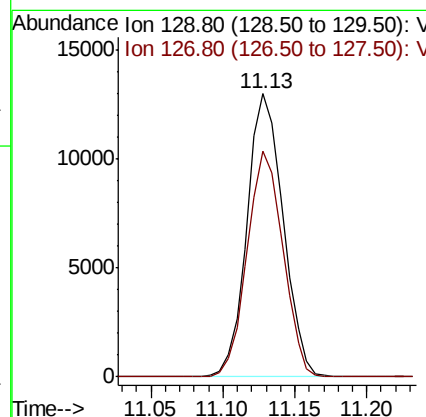
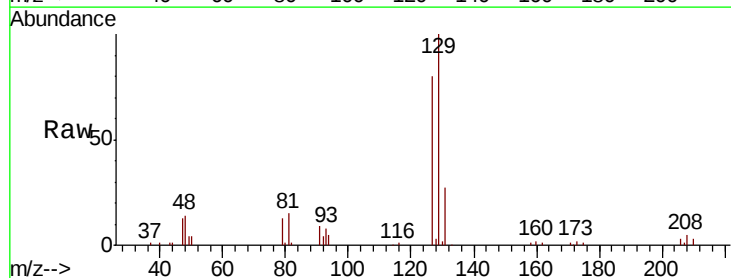
Instrument :
MSVOA_W
ClientSampleId :

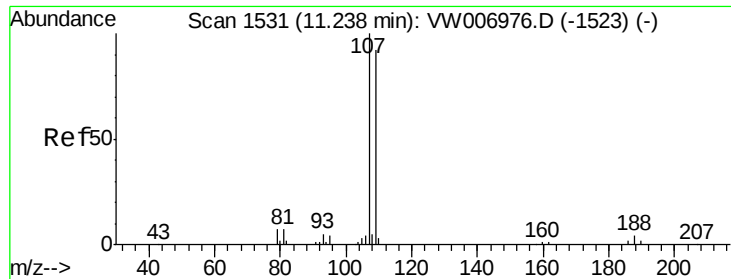
Tot Ion: 43 Resp: 51501
Ion Ratio Lower Upper
43 100
58 53.8 27.3 81.8



#60
Dibromochloromethane
Concen: 20.625 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 129 Resp: 22526
Ion Ratio Lower Upper
129 100
127 79.1 38.3 114.8

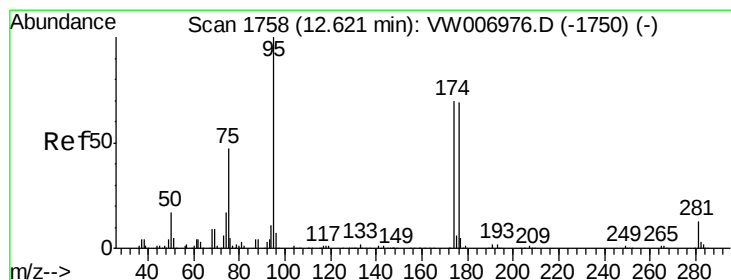
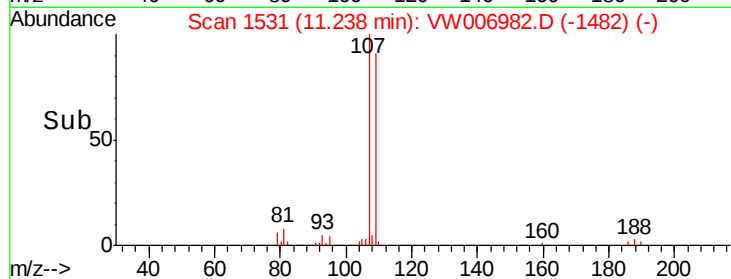
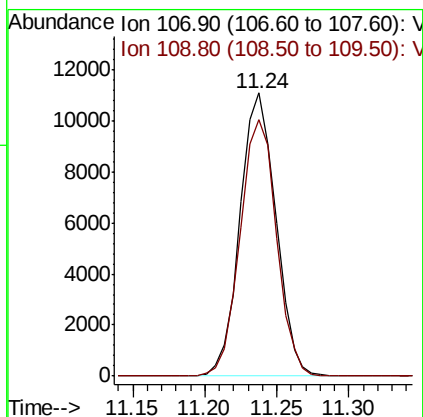
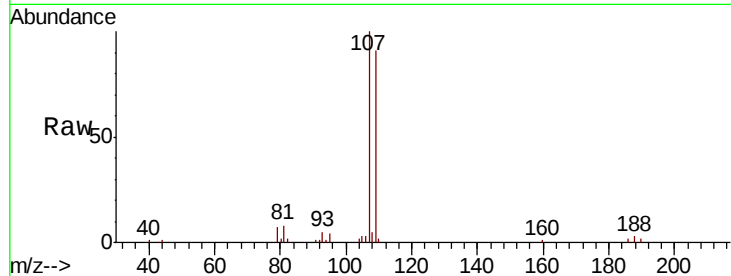




#61
 1,2-Dibromoethane
 Concen: 21.814 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

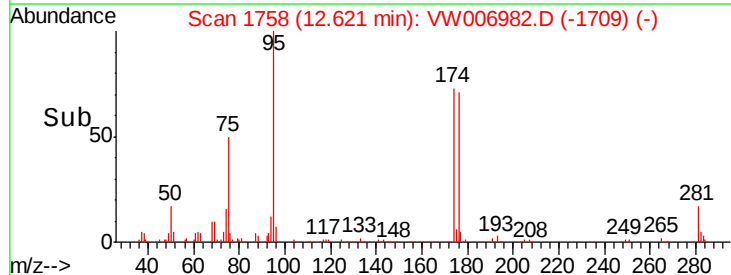
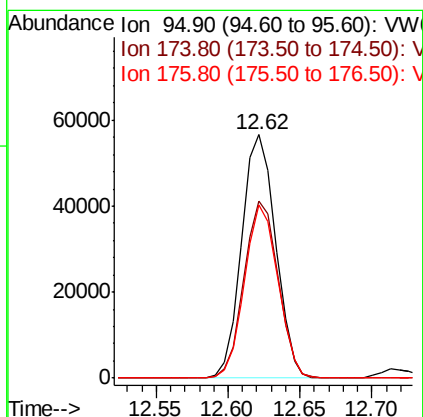
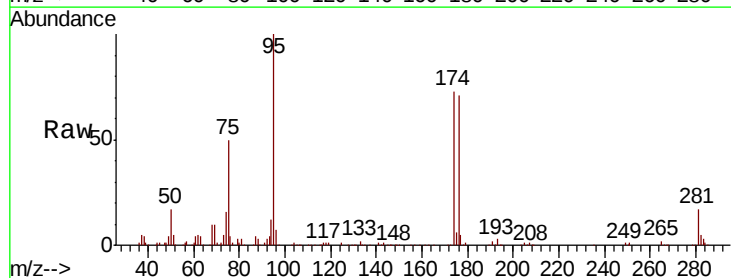
Instrument :
 MSVOA_W
 ClientSampleId :

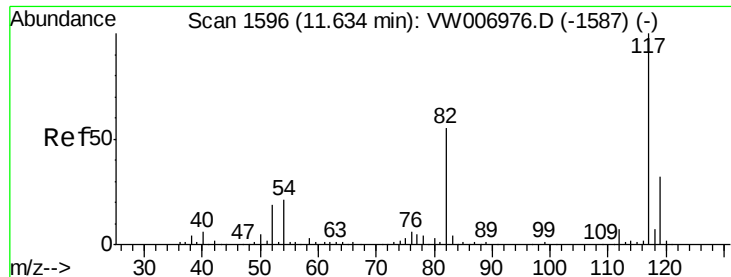
Tot Ion: 107 Resp: 19127
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 47.071 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 95 Resp: 92414
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 143.6
 176 70.1 0.0 140.4

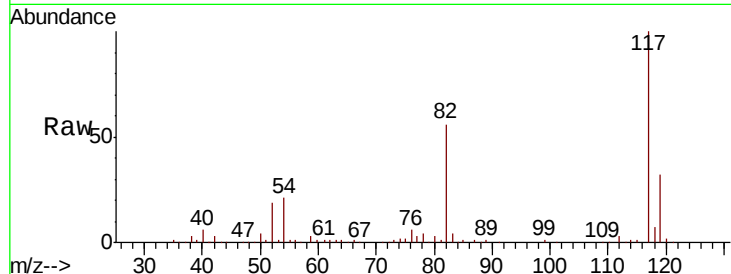




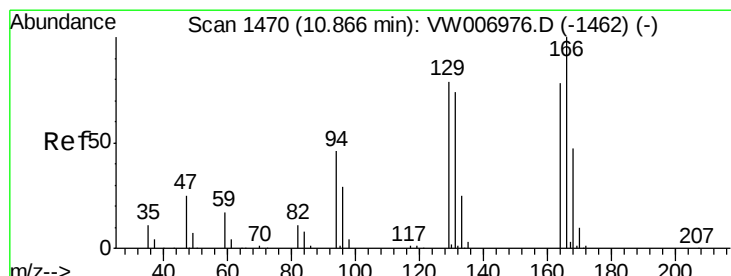
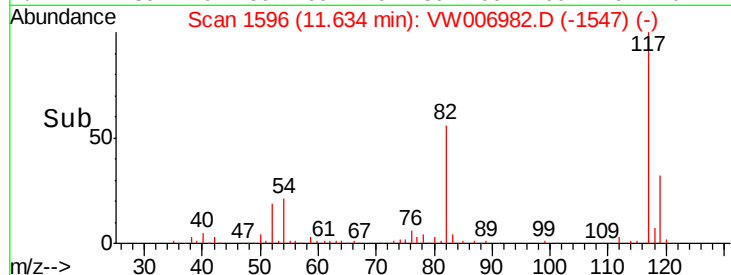
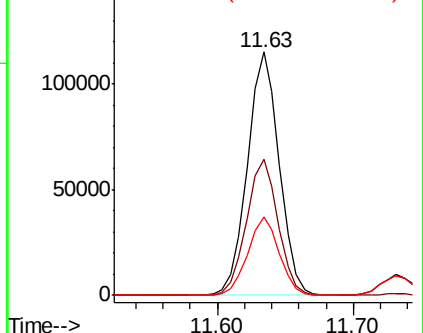
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 188002
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.4 25.9 38.9

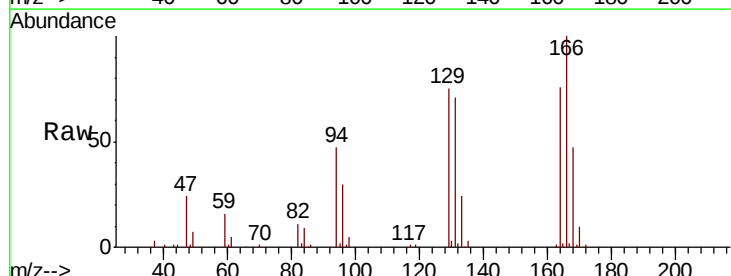


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

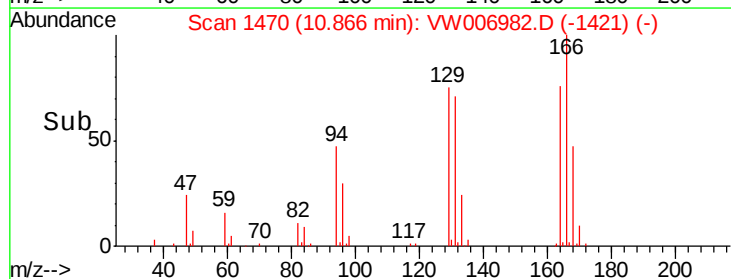
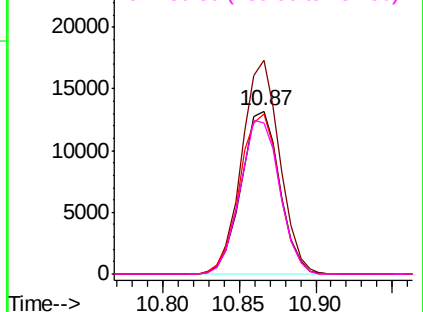


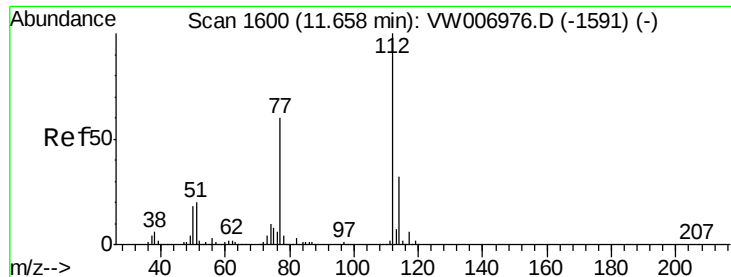
#64
Tetrachloroethene
Concen: 19.122 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion:164 Resp: 23127
Ion Ratio Lower Upper
164 100
166 131.0 102.1 153.1
129 98.5 80.4 120.6
131 93.0 75.2 112.8



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

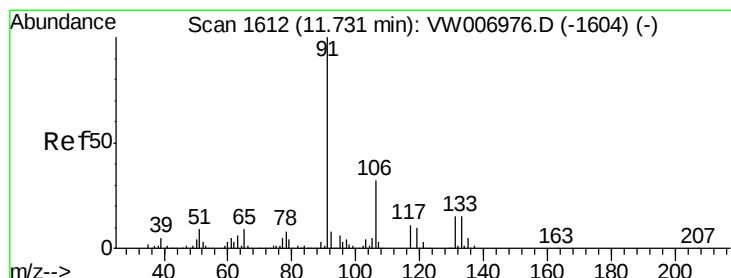
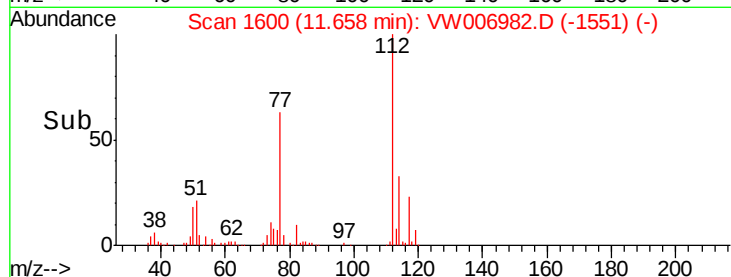
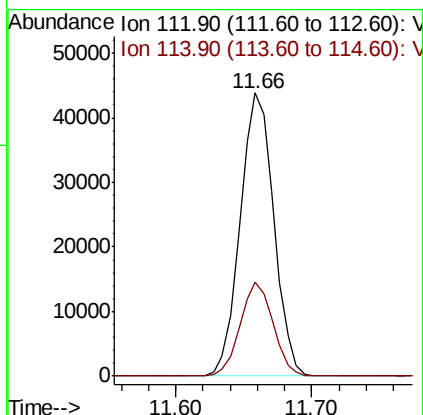
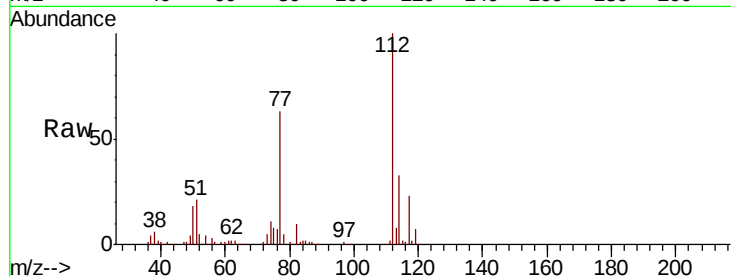




#65
Chlorobenzene
Concen: 19.268 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

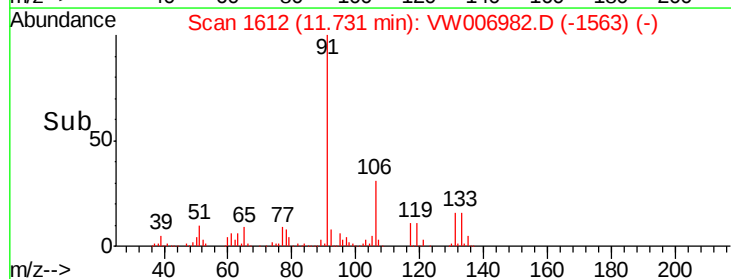
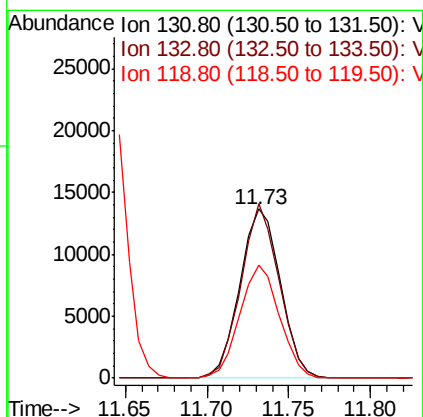
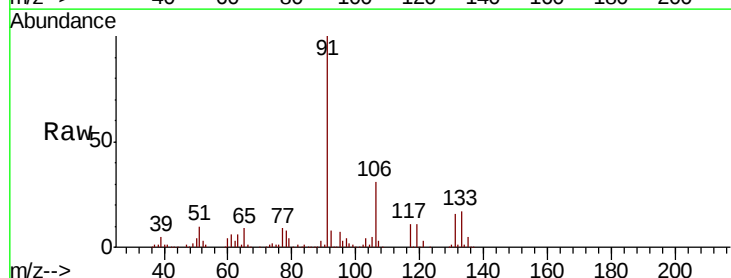
Instrument :
MSVOA_W
ClientSampleId :

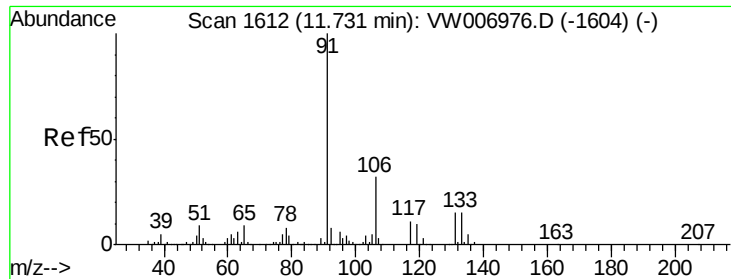
Tot Ion:112 Resp: 75605
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 19.965 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion:131 Resp: 23699
Ion Ratio Lower Upper
131 100
133 97.2 47.7 143.1
119 65.1 31.8 95.3

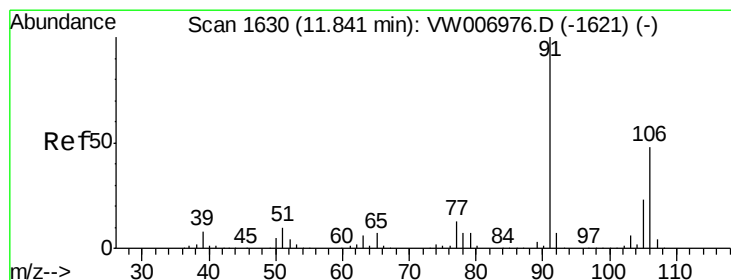
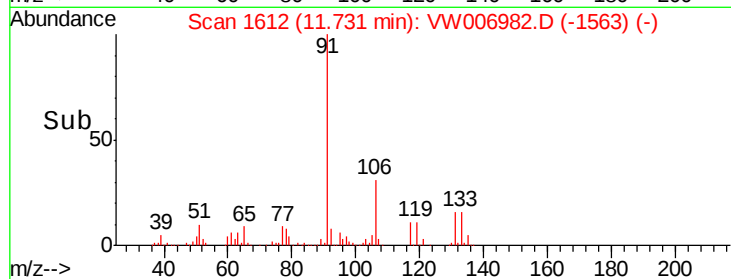
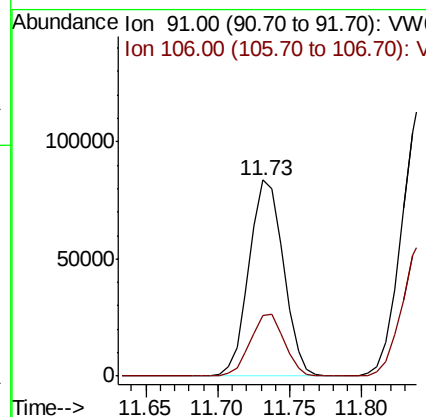
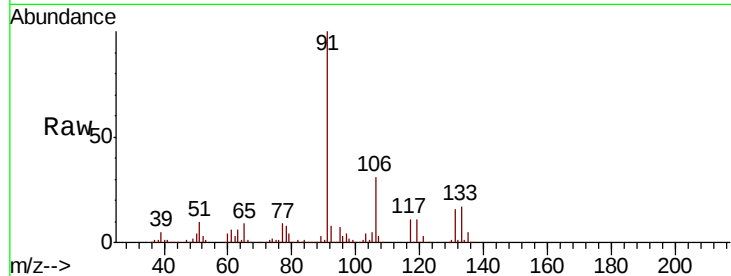




#67
Ethyl Benzene
Concen: 19.240 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

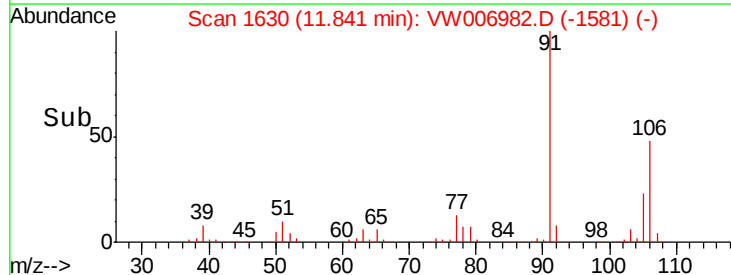
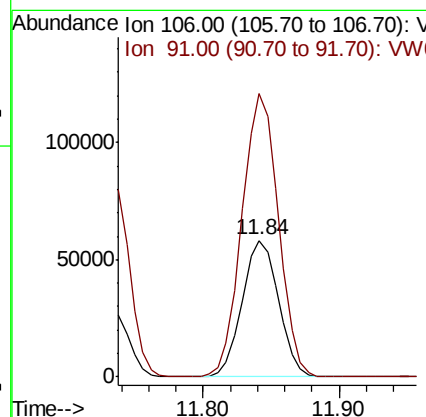
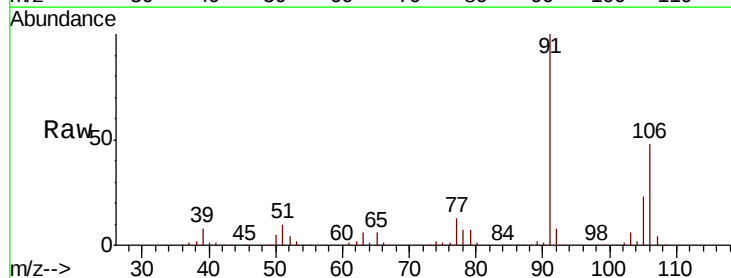
Instrument :
MSVOA_W
ClientSampled :

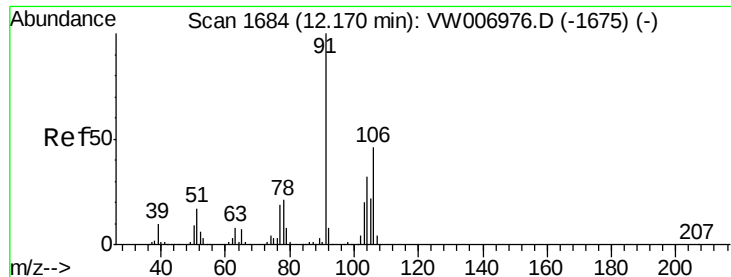
Tot Ion: 91 Resp: 138687
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 38.611 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 106 Resp: 109196
Ion Ratio Lower Upper
106 100
91 207.7 164.8 247.2

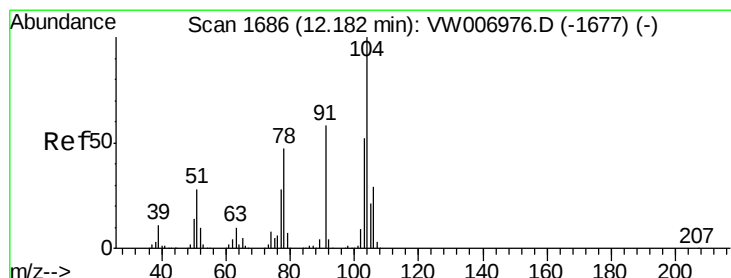
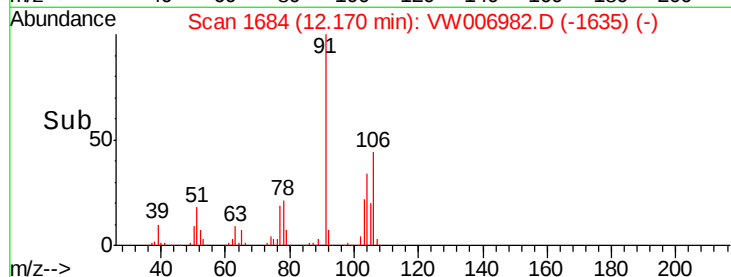
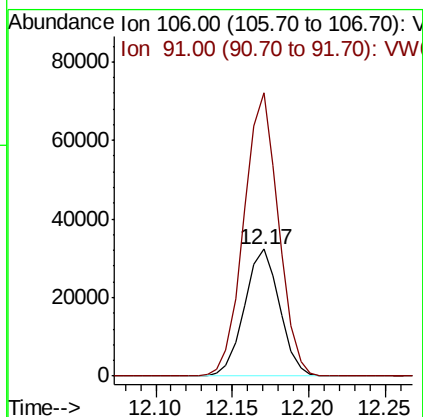
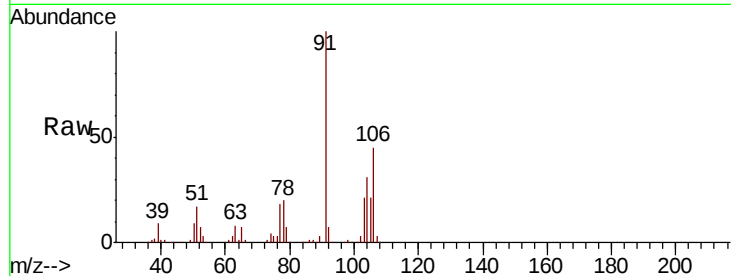




#69
o-Xylene
Concen: 19.320 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

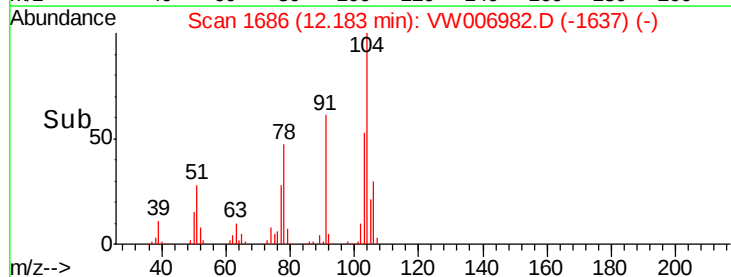
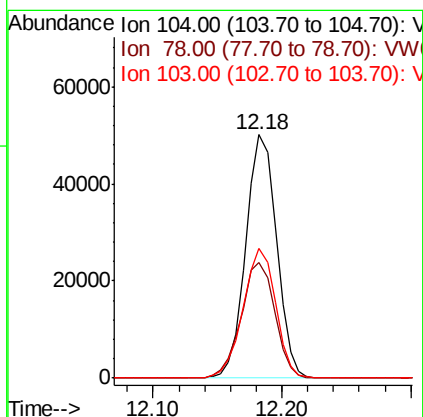
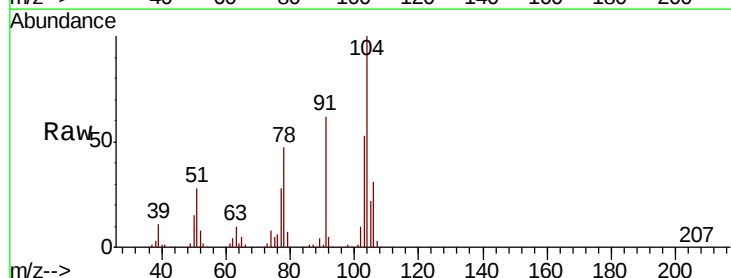
Instrument :
MSVOA_W
ClientSampled :

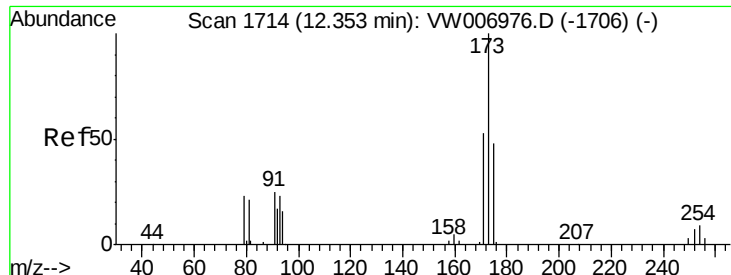
Tot Ion:106 Resp: 51521
Ion Ratio Lower Upper
106 100
91 219.3 107.9 323.8



#70
Styrene
Concen: 19.451 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion:104 Resp: 82554
Ion Ratio Lower Upper
104 100
78 52.2 41.8 62.8
103 56.5 44.4 66.6





#71

Bromoform

Concen: 20.784 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

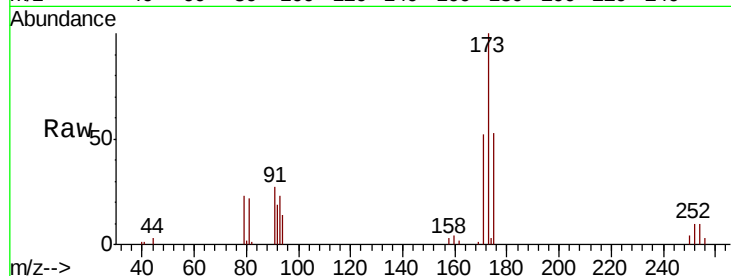
Tot Ion:173 Resp: 11622

Ion Ratio Lower Upper

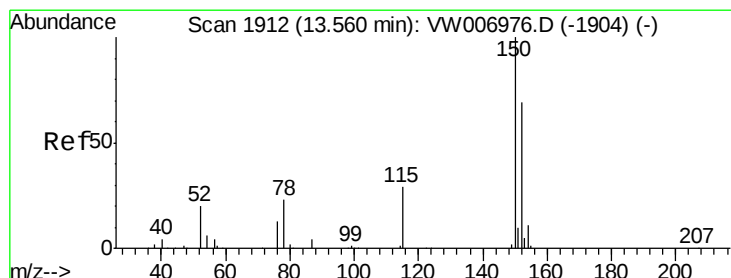
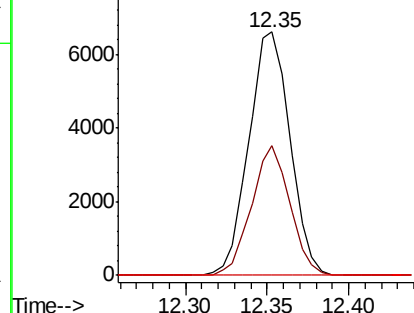
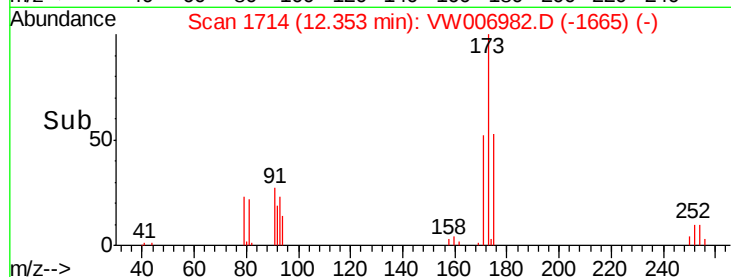
173 100

175 49.7 24.0 72.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

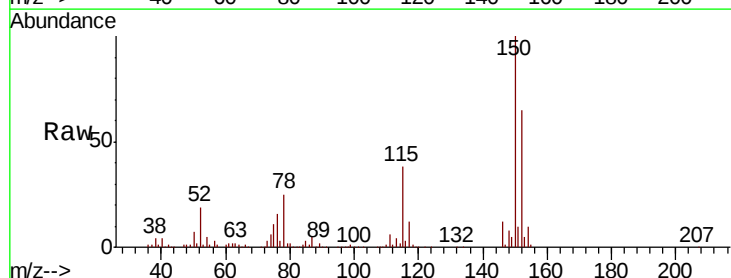
Tgt Ion:152 Resp: 95564

Ion Ratio Lower Upper

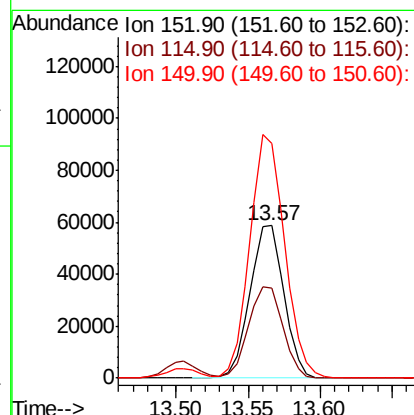
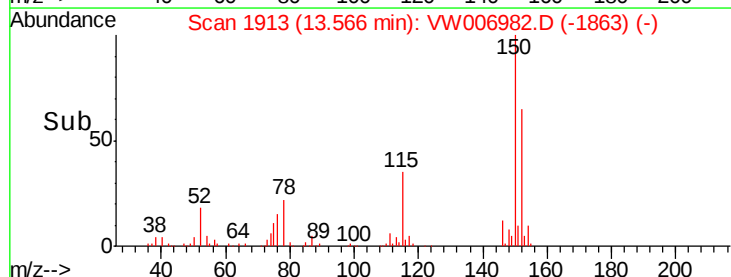
152 100

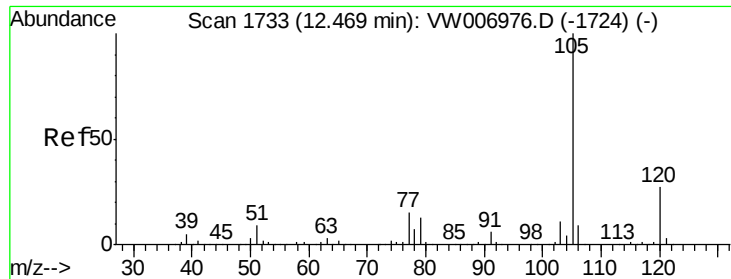
115 60.8 31.4 94.2

150 164.0 0.0 353.4



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: 18.999 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

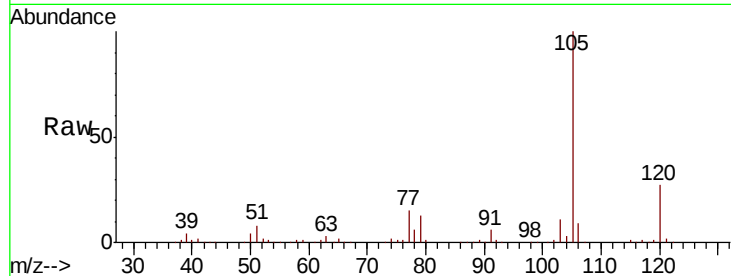
ClientSampled :

Tot Ion:105 Resp: 141105

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

100000

80000

60000

40000

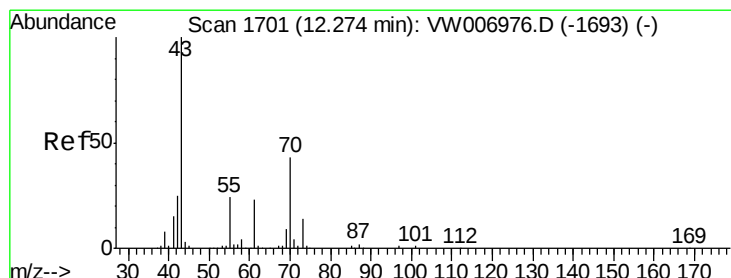
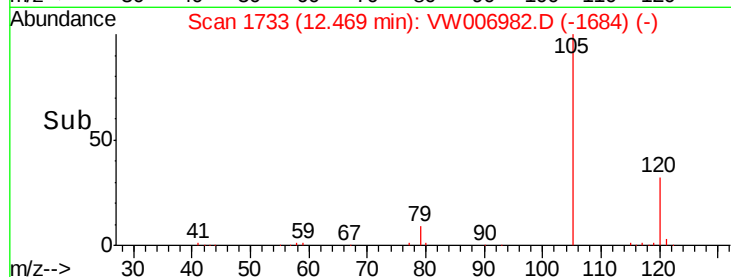
20000

0

Time-->

12.40

12.50



#74

N-ethyl acetate

Concen: 21.189 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Tgt Ion: 43 Resp: 26375

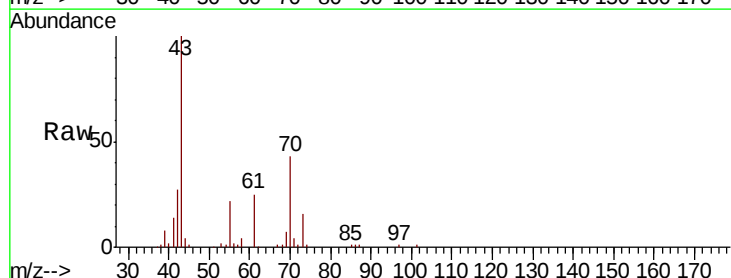
Ion Ratio Lower Upper

43 100

70 42.5 34.0 51.0

55 24.5 19.4 29.0

61 24.9 19.4 29.2



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

25000

20000

15000

10000

5000

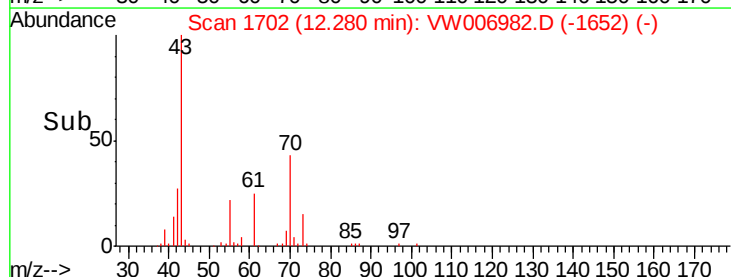
0

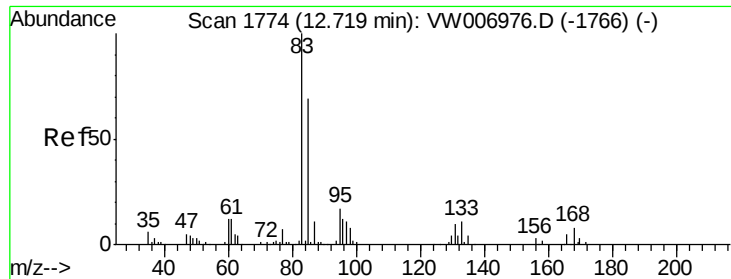
Time-->

12.20

12.30

12.40





#75

1,1,2,2-Tetrachloroethane

Concen: 20.752 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

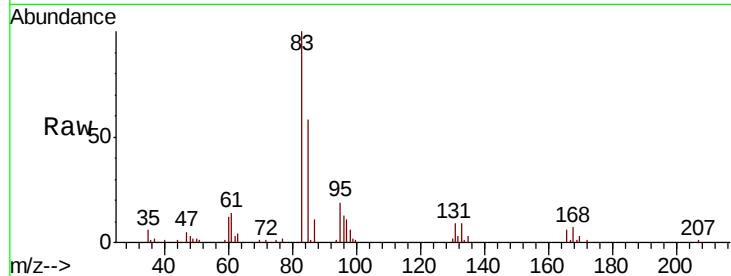
Tot Ion: 83 Resp: 20512

Ion Ratio Lower Upper

83 100

131 11.0 5.7 17.1

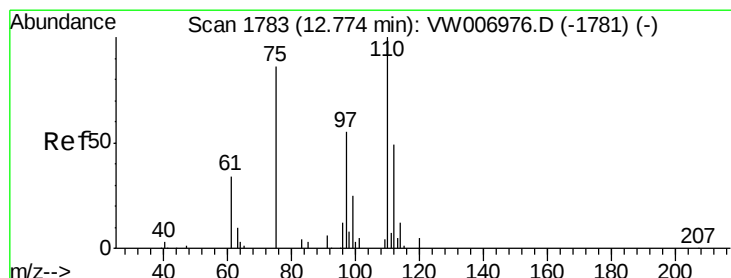
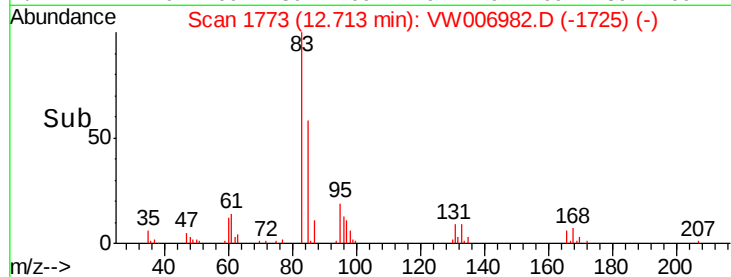
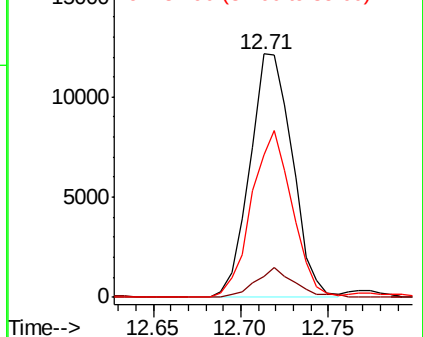
85 65.5 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 37.501 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW006982.D

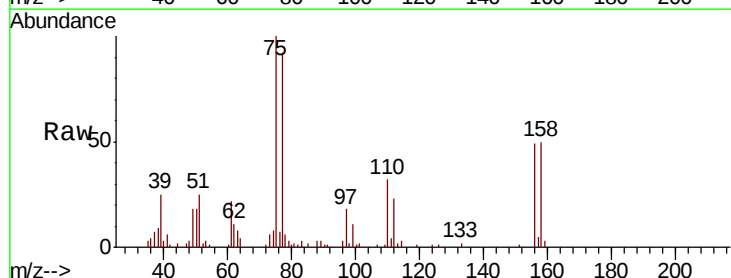
Acq: 20 Nov 2018 18:50

Tgt Ion: 75 Resp: 28161

Ion Ratio Lower Upper

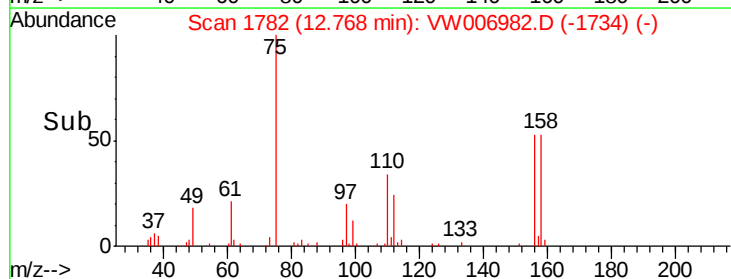
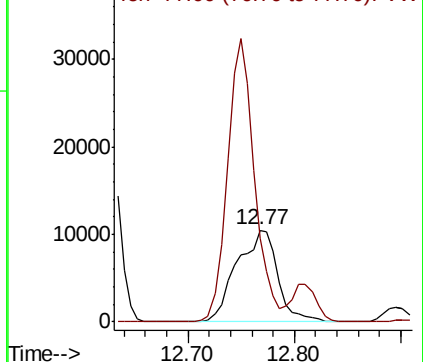
75 100

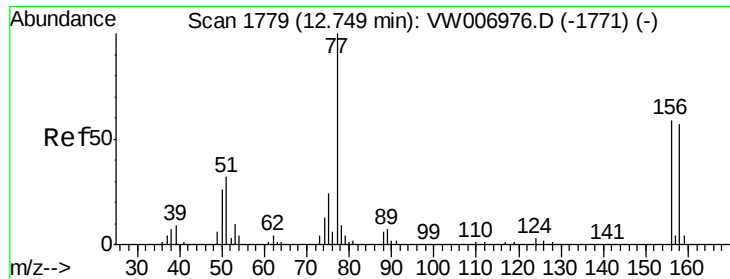
77 204.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 19.689 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampleId :

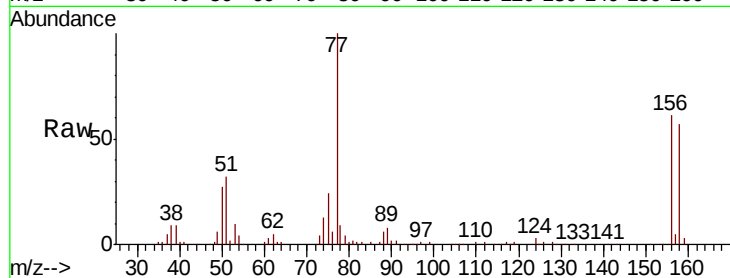
Tot Ion:156 Resp: 31408

Ion Ratio Lower Upper

156 100

77 182.9 94.6 283.8

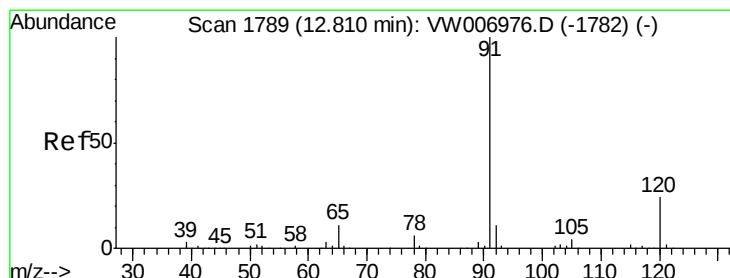
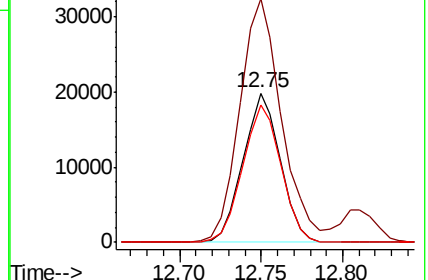
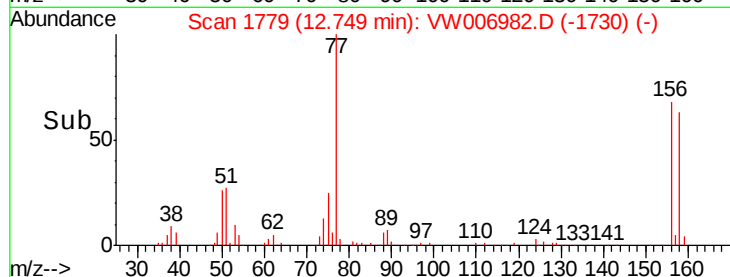
158 94.8 48.9 146.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.837 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006982.D

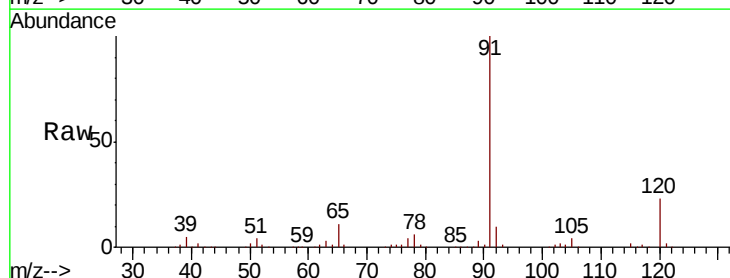
Acq: 20 Nov 2018 18:50

Tgt Ion: 91 Resp: 169468

Ion Ratio Lower Upper

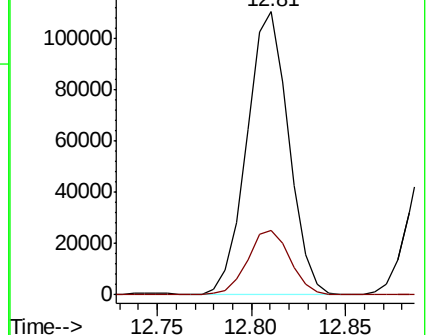
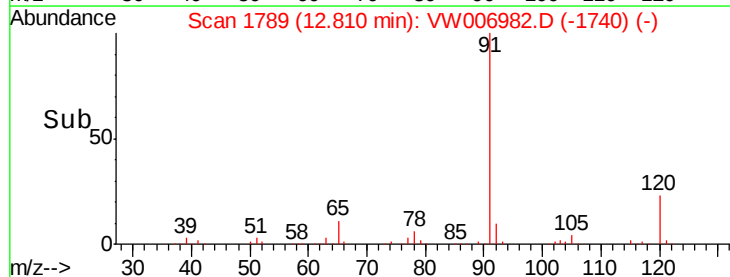
91 100

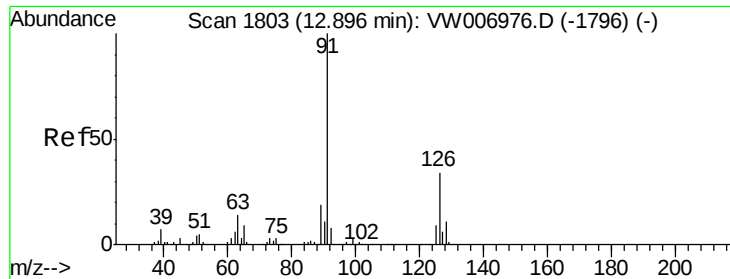
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

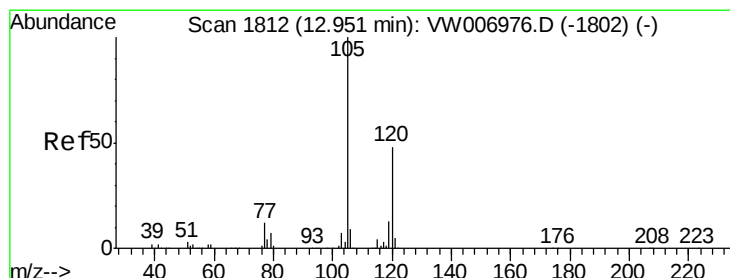
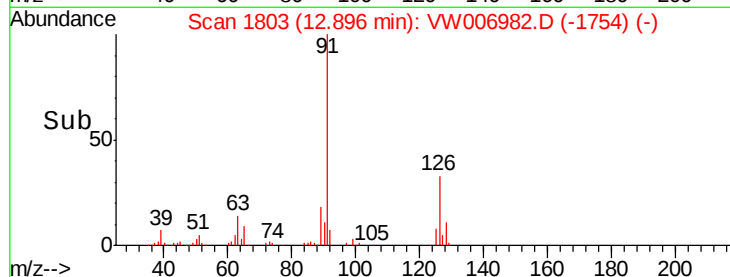
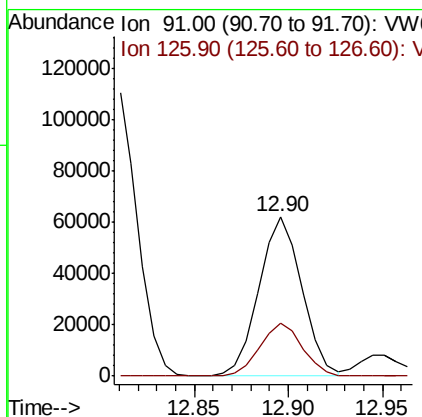
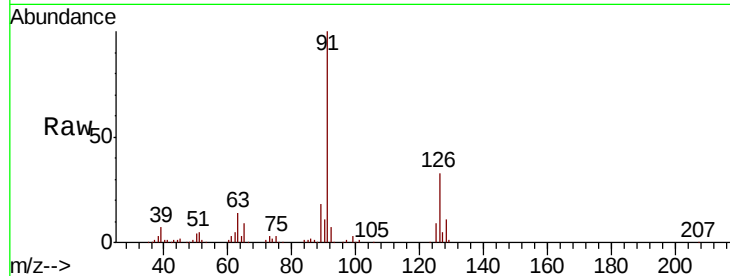




#79
 2-Chlorotoluene
 Concen: 18.980 ug/l
 RT: 12.90 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

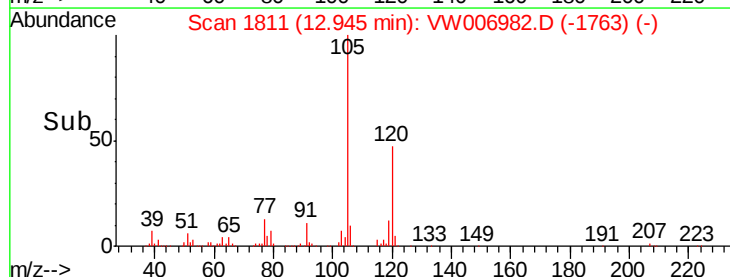
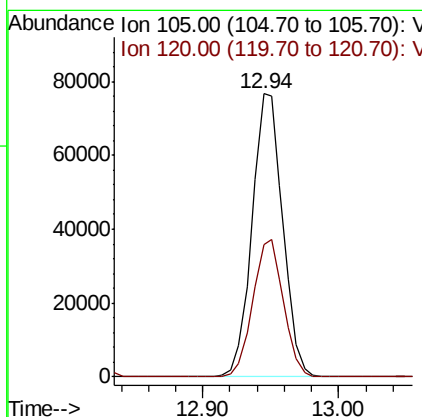
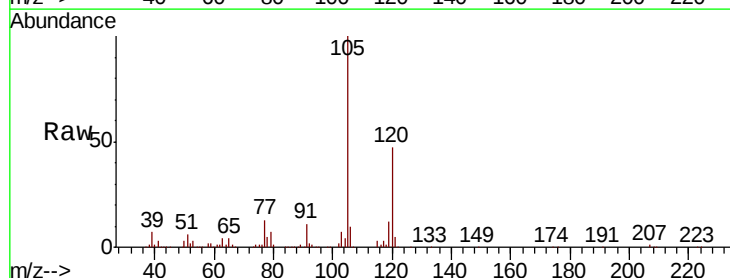
Instrument :
 MSVOA_W
 ClientSampled :

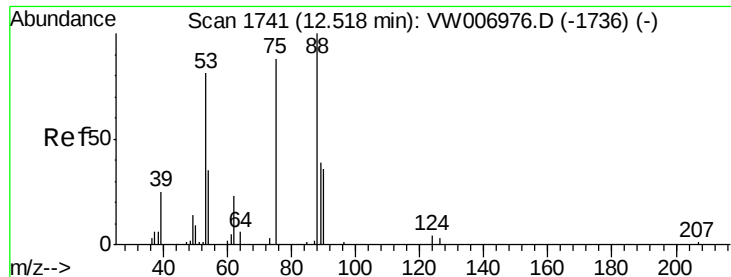
Tot Ion: 91 Resp: 98453
 Ion Ratio Lower Upper
 91 100
 126 32.8 16.7 50.0



#80
 1,3,5-Trimethylbenzene
 Concen: 18.908 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion:105 Resp: 121436
 Ion Ratio Lower Upper
 105 100
 120 48.4 23.8 71.2

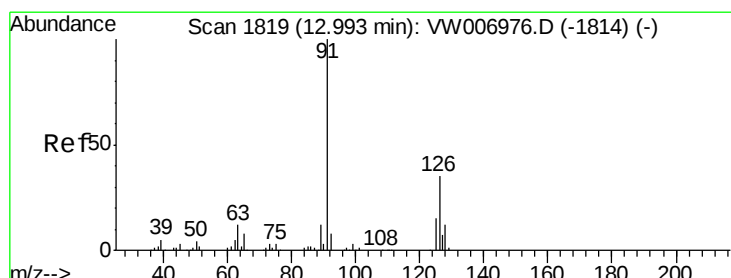
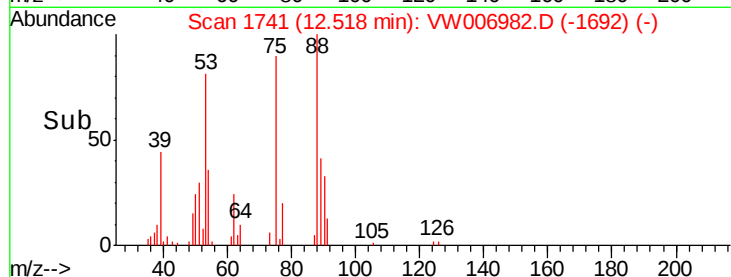
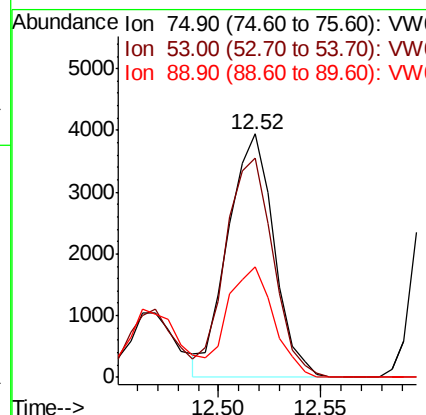
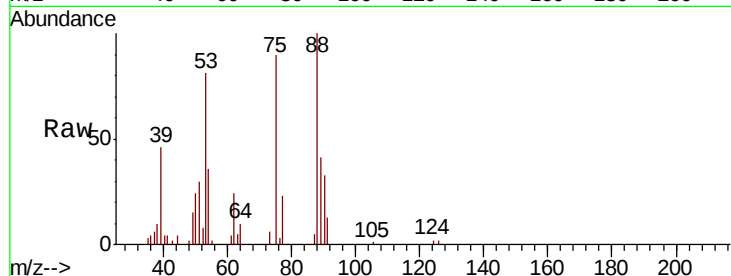




#81
trans-1,4-Dichloro-2-butene
Concen: 20.698 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

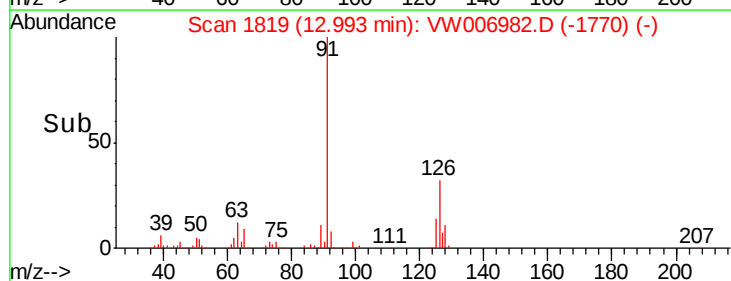
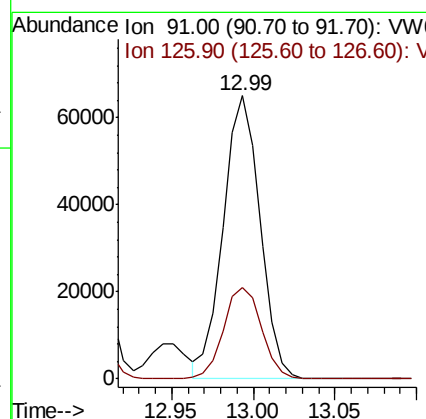
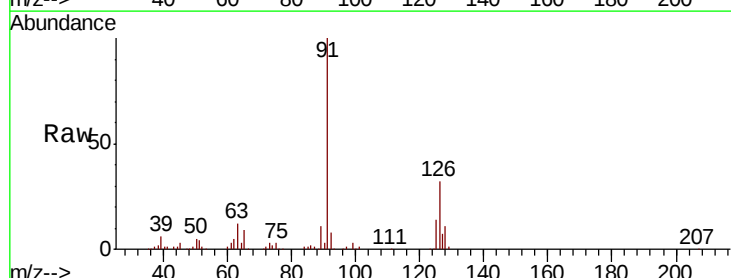
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 6191
Ion Ratio Lower Upper
75 100
53 93.1 77.6 116.4
89 44.9 39.3 58.9



#82
4-Chlorotoluene
Concen: 18.770 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion: 91 Resp: 102177
Ion Ratio Lower Upper
91 100
126 33.4 16.6 49.7

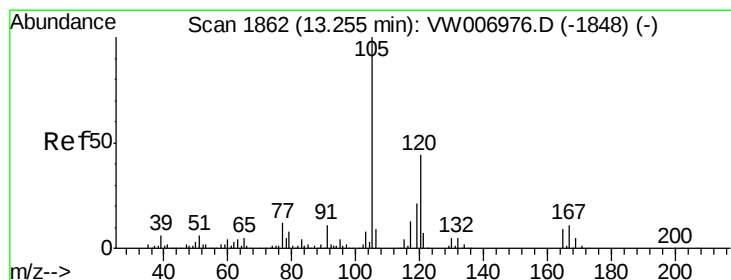
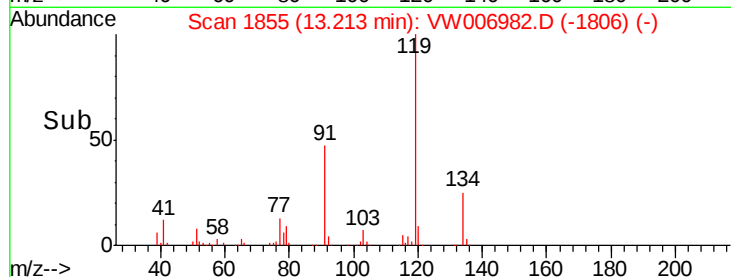
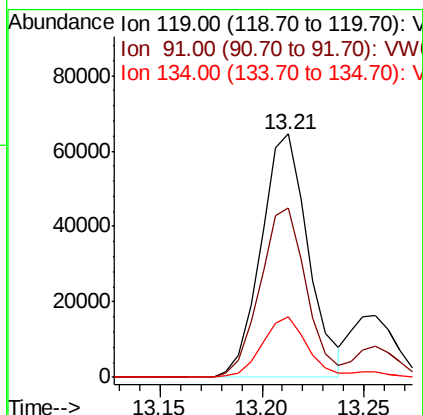
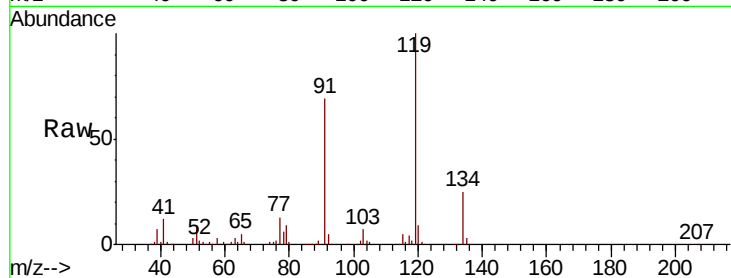




#83
tert-Butylbenzene
Concen: 18.746 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

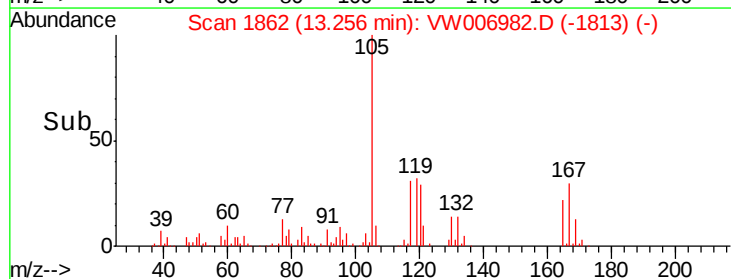
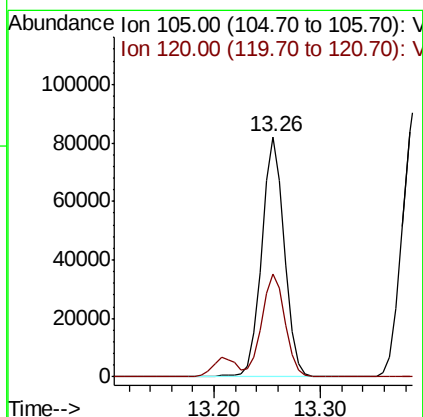
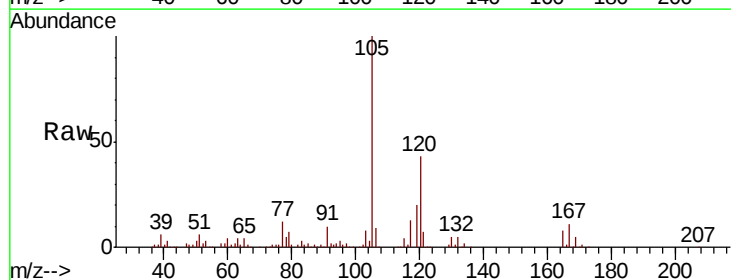
Instrument :
MSVOA_W
ClientSampled :

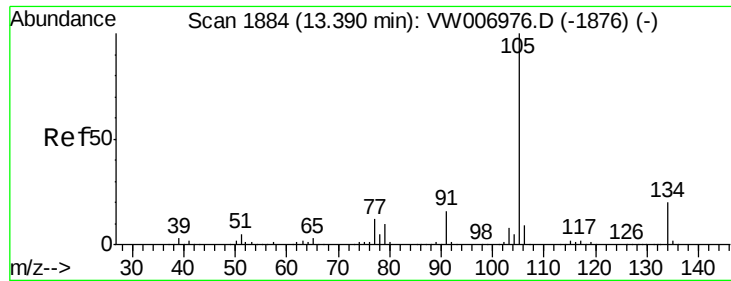
Tot Ion:119 Resp: 104239
Ion Ratio Lower Upper
119 100
91 67.8 33.5 100.5
134 24.1 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 19.064 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion:105 Resp: 121986
Ion Ratio Lower Upper
105 100
120 44.3 21.8 65.3

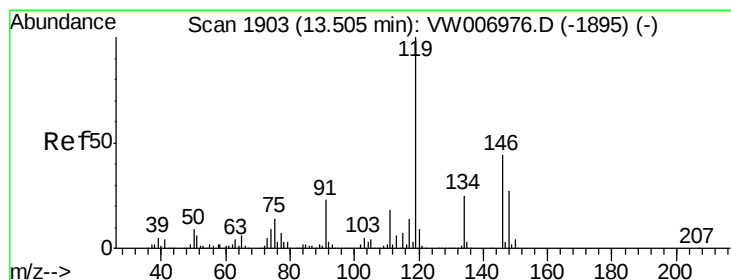
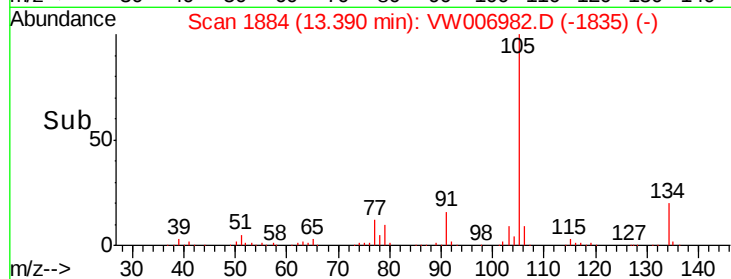
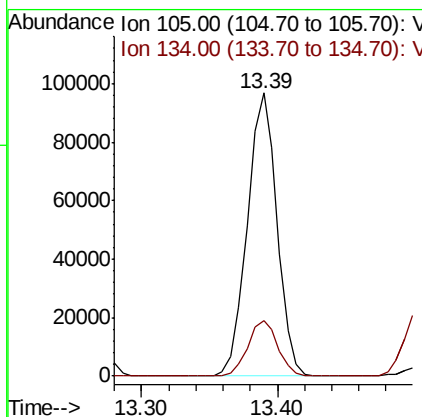
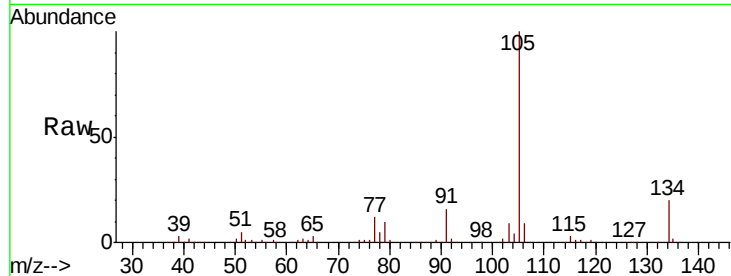




#85
 sec-Butylbenzene
 Concen: 18.844 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

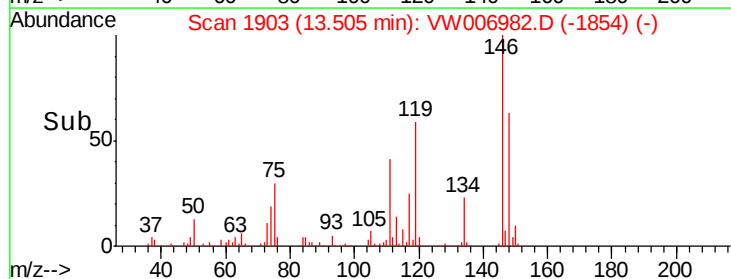
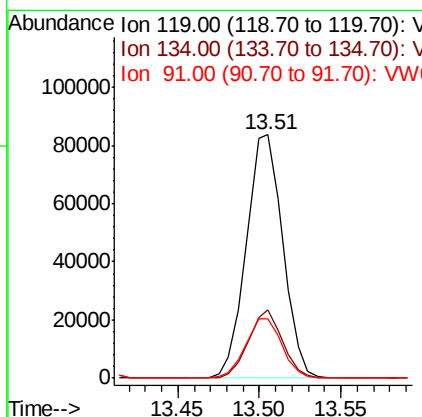
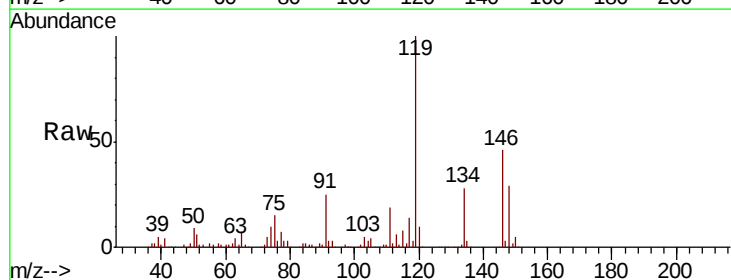
Instrument :
 MSVOA_W
 ClientSampled :

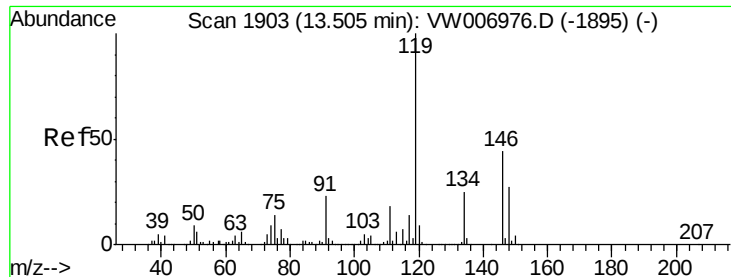
Tot Ion:105 Resp: 148034
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 18.815 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion:119 Resp: 130390
 Ion Ratio Lower Upper
 119 100
 134 26.0 12.8 38.3
 91 24.6 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.066 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

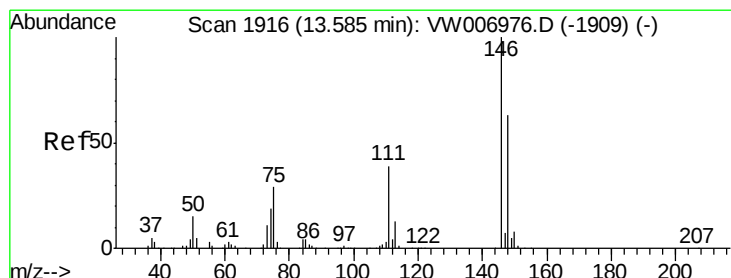
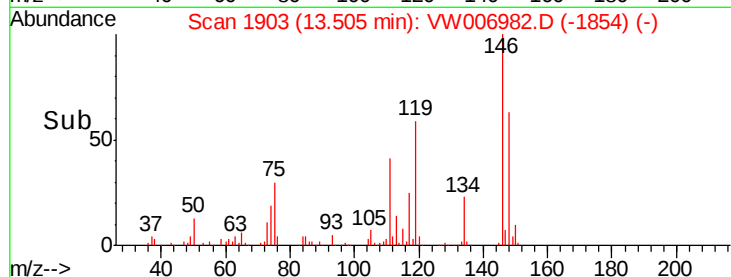
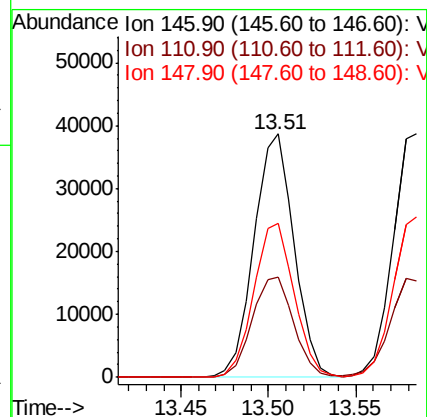
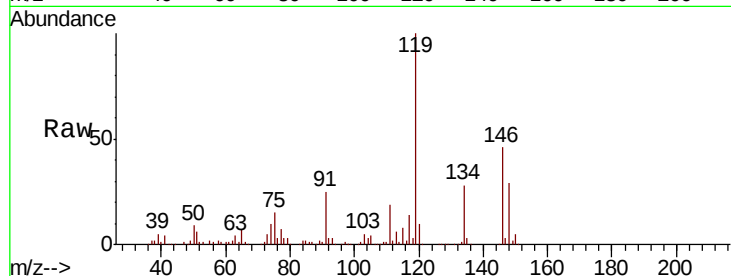
Tot Ion:146 Resp: 62093

Ion Ratio Lower Upper

146 100

111 42.7 21.1 63.3

148 63.6 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 19.262 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

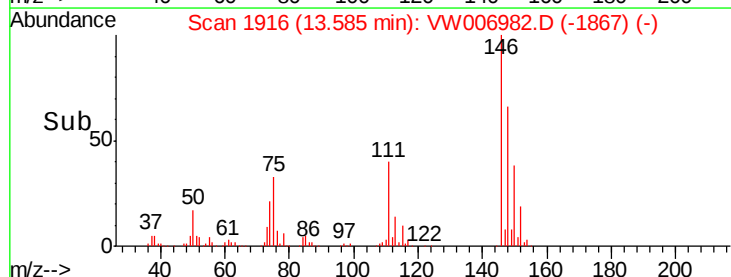
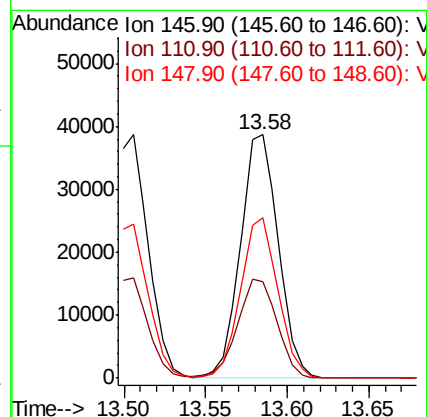
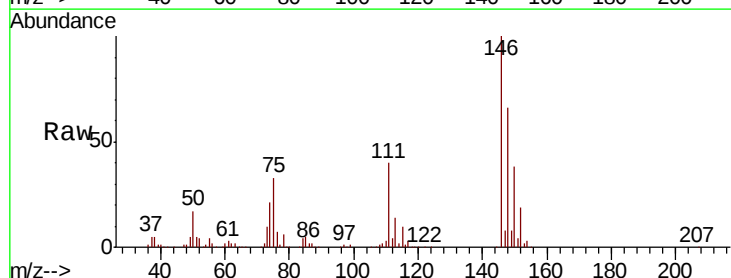
Tgt Ion:146 Resp: 62545

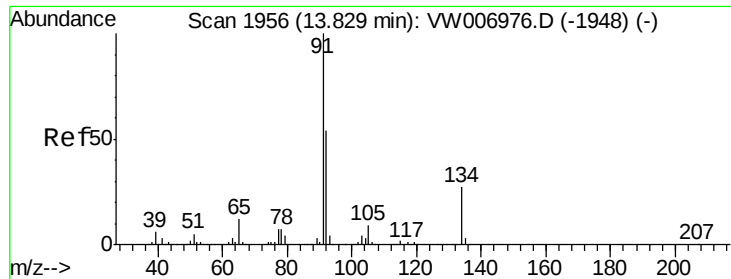
Ion Ratio Lower Upper

146 100

111 42.6 20.6 61.8

148 65.1 32.3 96.8





#89

n-Butylbenzene

Concen: 18.765 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006982.D

Acq: 20 Nov 2018 18:50

Instrument :

MSVOA_W

ClientSampled :

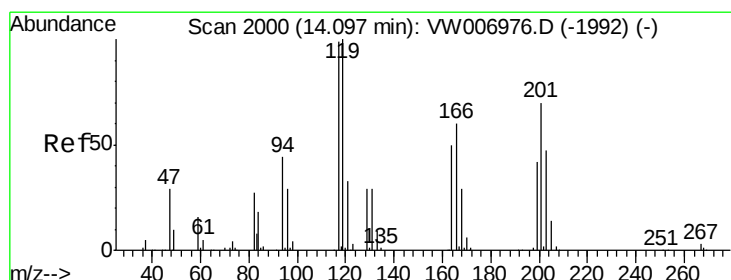
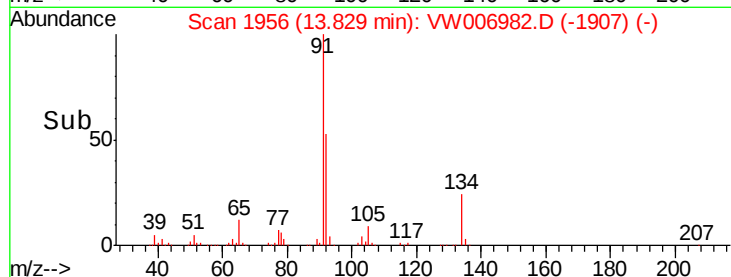
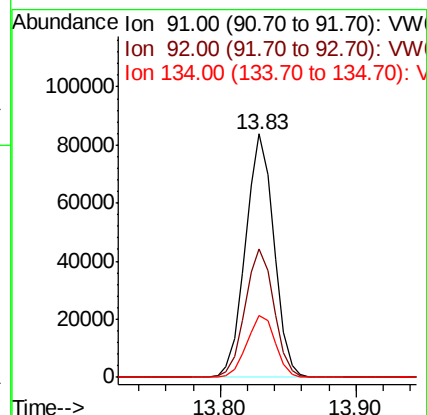
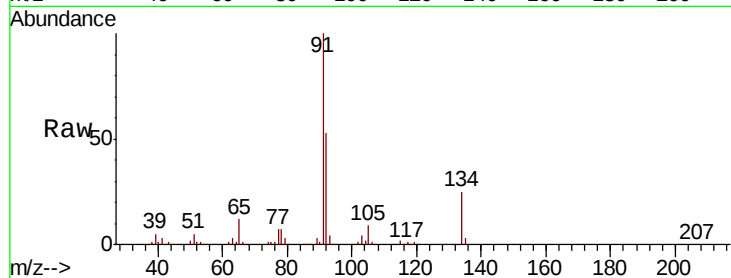
Tot Ion: 91 Resp: 122381

Ion Ratio Lower Upper

91 100

92 53.4 26.8 80.4

134 25.7 13.3 39.8



#90

Hexachloroethane

Concen: 18.614 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006982.D

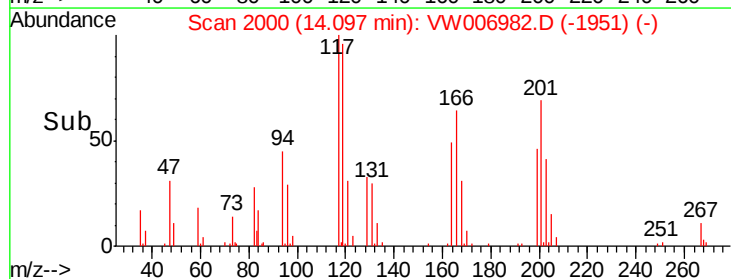
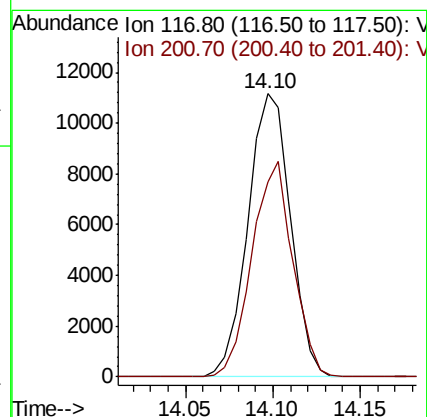
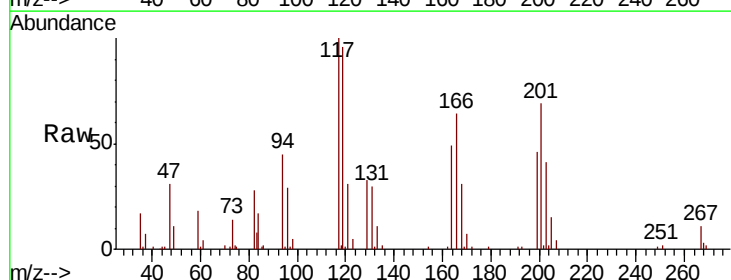
Acq: 20 Nov 2018 18:50

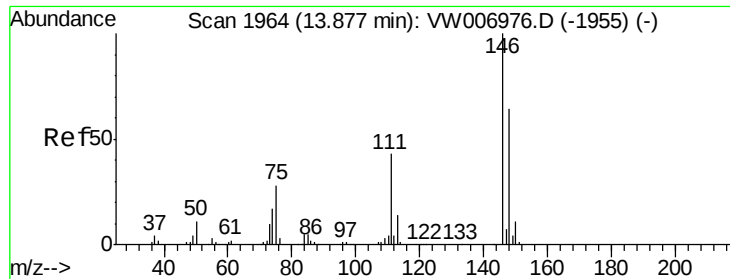
Tgt Ion: 117 Resp: 18833

Ion Ratio Lower Upper

117 100

201 73.1 35.9 107.5

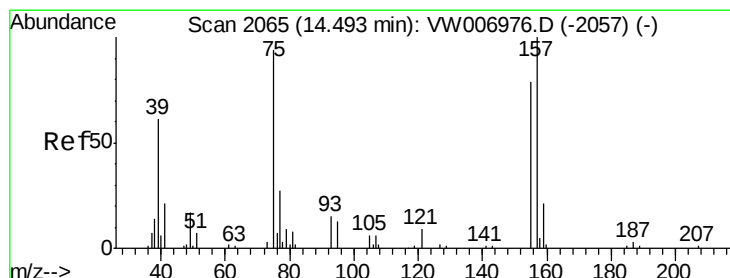
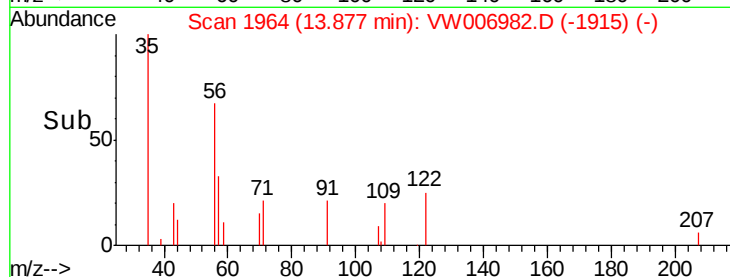
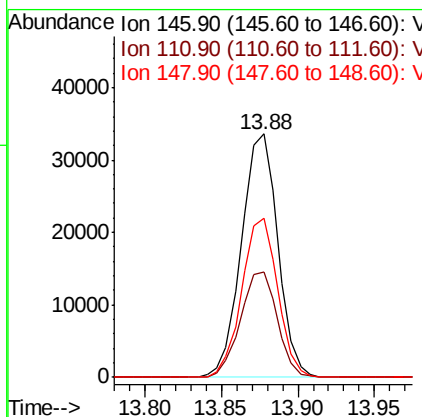
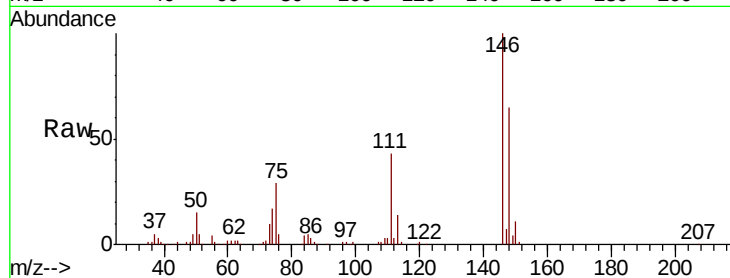




#91
 1,2-Dichlorobenzene
 Concen: 19.459 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

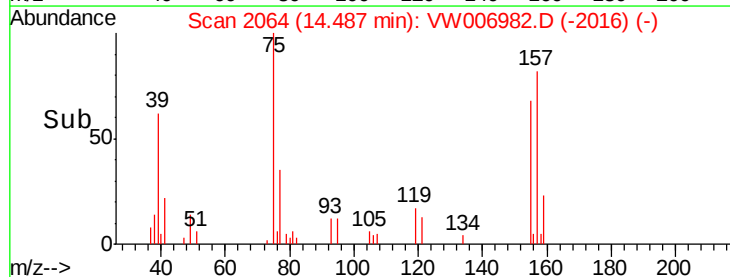
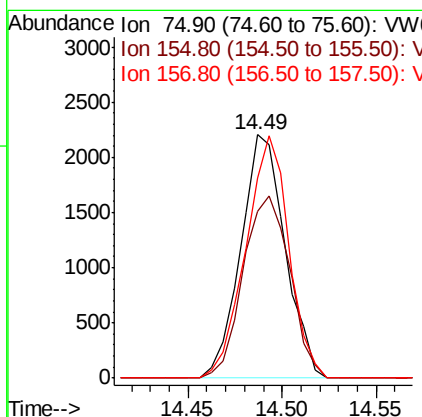
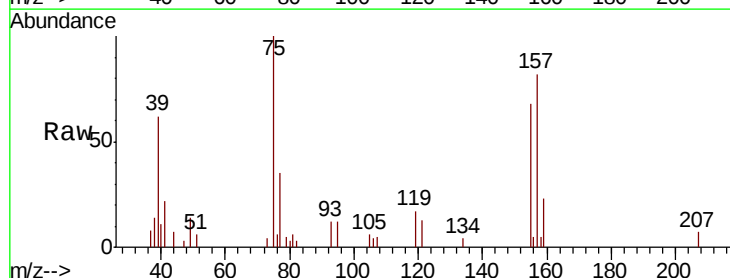
Instrument :
 MSVOA_W
 ClientSampleId :

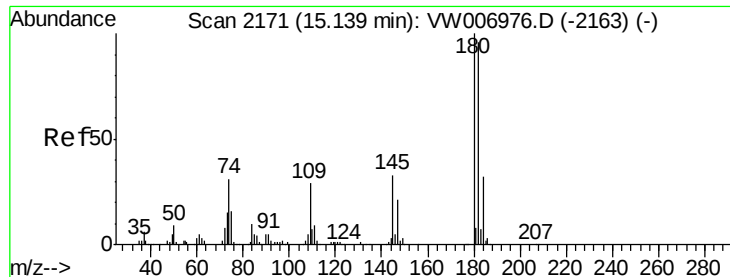
Tot Ion:146 Resp: 55527
 Ion Ratio Lower Upper
 146 100
 111 43.8 21.9 65.7
 148 64.4 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.511 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.01 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion: 75 Resp: 3591
 Ion Ratio Lower Upper
 75 100
 155 79.1 42.6 127.8
 157 96.4 55.0 165.0

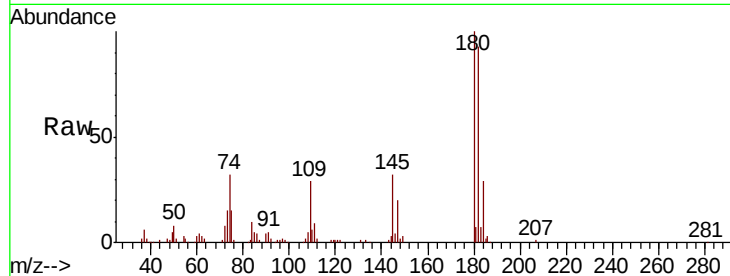




#93
 1,2,4-Trichlorobenzene
 Concen: 18.997 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.3
145	33.5	16.5	49.5

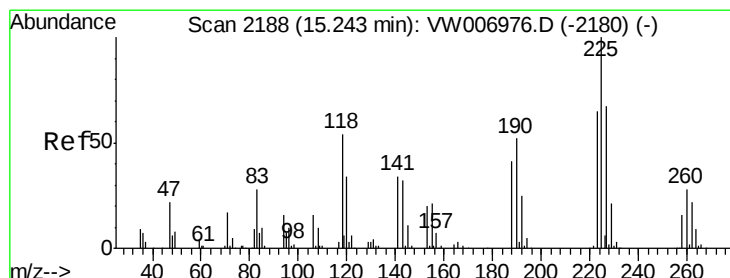
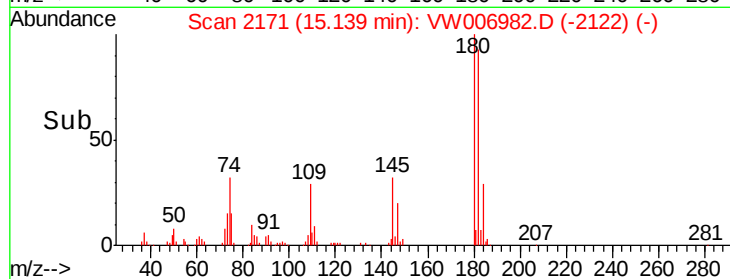
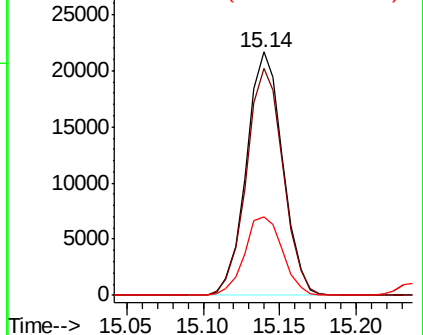


Abundance

Ion 179.80 (179.50 to 180.50): V

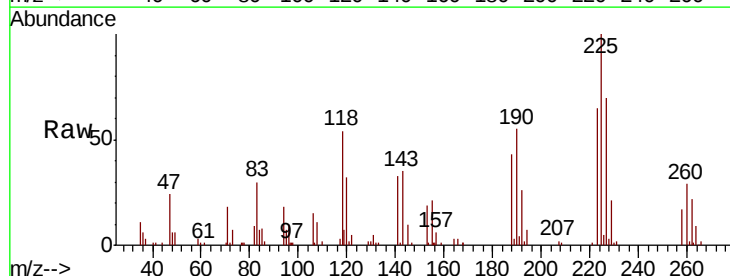
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.080 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006982.D
 Acq: 20 Nov 2018 18:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	32.4	97.0
227	64.0	31.9	95.5

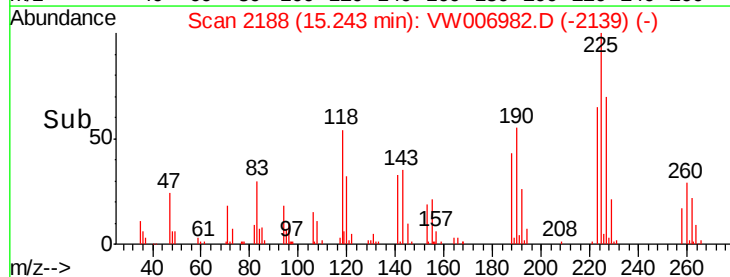
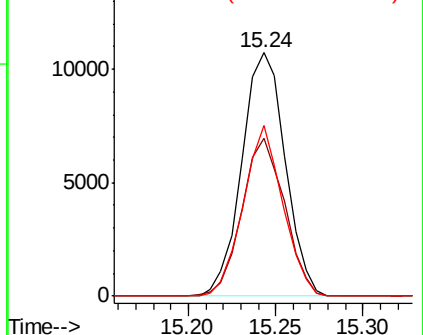


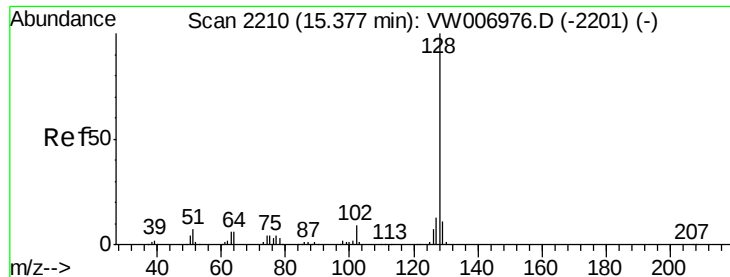
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

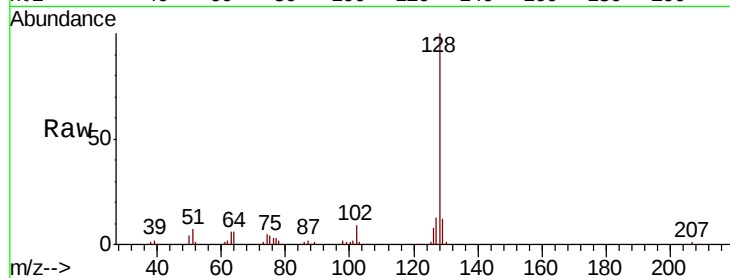




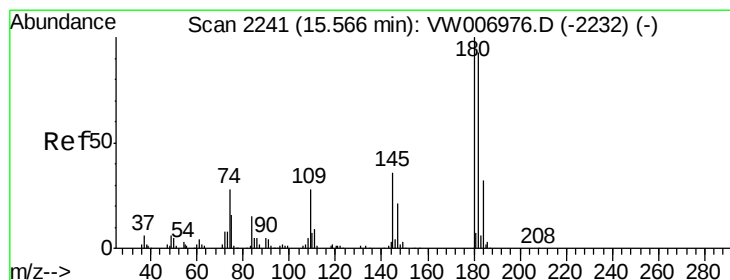
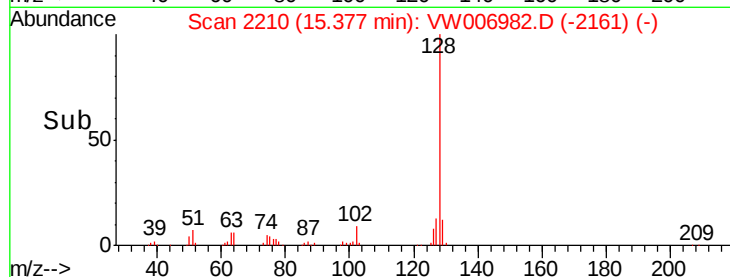
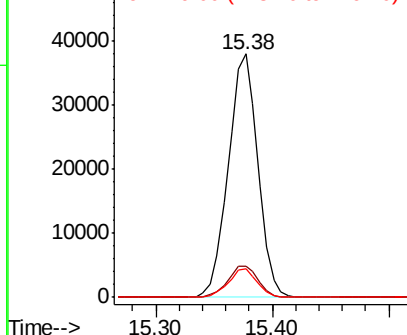
#95
Naphthalene
Concen: 19.626 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 67037
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.4 8.7 13.1

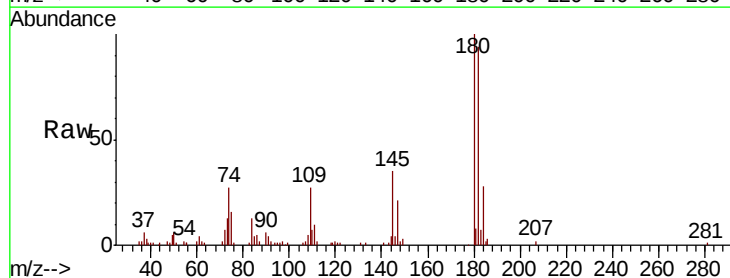


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.734 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006982.D
Acq: 20 Nov 2018 18:50

Tgt Ion:180 Resp: 30807
Ion Ratio Lower Upper
180 100
182 94.7 47.0 141.2
145 35.8 18.0 54.0



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

