

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
 Data File : VW006983.D
 Acq On : 20 Nov 2018 19:15
 Operator : SY/AP
 Sample : VW1121SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:48:41 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	115277	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	182040	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	170422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	86953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	60760	53.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.68%	
35) Dibromofluoromethane	7.88	113	53304	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	10.33	98	233376	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.62	95	90580	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	24690	21.693	ug/l	98
3) Chloromethane	2.21	50	20006	21.092	ug/l	99
4) Vinyl Chloride	2.36	62	19437	20.827	ug/l	94
5) Bromomethane	2.78	94	10317	20.712	ug/l	86
6) Chloroethane	2.92	64	10512	20.434	ug/l	98
7) Trichlorofluoromethane	3.26	101	38264	20.851	ug/l	99
8) Diethyl Ether	3.69	74	12802	21.650	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	25367	21.322	ug/l	99
10) Methyl Iodide	4.28	142	24615	18.074	ug/l	99
11) Tert butyl alcohol	5.21	59	8305	113.040	ug/l #	71
12) 1,1-Dichloroethene	4.04	96	22210	21.286	ug/l	99
13) Acrolein	3.90	56	8271	109.621	ug/l	93
14) Allyl chloride	4.67	41	35046	20.250	ug/l	100
15) Acrylonitrile	5.37	53	24291	109.300	ug/l	100
16) Acetone	4.14	43	17608	107.459	ug/l	96
17) Carbon Disulfide	4.39	76	65771	19.497	ug/l	97
18) Methyl Acetate	4.68	43	12433	21.307	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	61201	22.464	ug/l	94
20) Methylene Chloride	4.92	84	27565	17.611	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	25168	20.706	ug/l	95
22) Diisopropyl ether	6.32	45	71821	21.321	ug/l	97
23) Vinyl Acetate	6.26	43	200718	112.208	ug/l	99
24) 1,1-Dichloroethane	6.23	63	41446	20.225	ug/l	99
25) 2-Butanone	7.18	43	31272	111.430	ug/l	98
26) 2,2-Dichloropropane	7.17	77	38958	21.141	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	26525	20.493	ug/l	97
28) Bromochloromethane	7.51	49	15695	20.493	ug/l	98
29) Tetrahydrofuran	7.53	42	20291	111.637	ug/l	99
30) Chloroform	7.68	83	44524	20.451	ug/l	100
31) Cyclohexane	7.96	56	46643	21.459	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	43662	22.266	ug/l	98
36) 1,1-Dichloropropene	8.09	75	37956	21.337	ug/l	99
37) Ethyl Acetate	7.26	43	14353	22.266	ug/l	100
38) Carbon Tetrachloride	8.07	117	36385	21.359	ug/l	98

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 21 04:48:41 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)
39) Methylcyclohexane	9.34	83	44422	19.955	ug/l	98
40) Benzene	8.32	78	99649	20.752	ug/l	100
41) Methacrylonitrile	7.48	41	9564	23.890	ug/l	92
42) 1,2-Dichloroethane	8.40	62	29615	21.243	ug/l	99
43) Isopropyl Acetate	8.43	43	26826	21.837	ug/l	99
44) Trichloroethene	9.09	130	28637	21.274	ug/l	98
45) 1,2-Dichloropropane	9.37	63	25446	21.497	ug/l	96
46) Dibromomethane	9.46	93	12387	20.897	ug/l	97
47) Bromodichloromethane	9.65	83	34358	21.999	ug/l	98
48) Methyl methacrylate	9.44	41	12126	20.472	ug/l	95
49) 1,4-Dioxane	9.47	88	3487	395.777	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	66713	107.462	ug/l	100
52) Toluene	10.39	92	67492	20.653	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	32520	21.495	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	39135	21.411	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	18826	21.586	ug/l	96
56) Ethyl methacrylate	10.65	69	21550	21.287	ug/l	96
57) 1,3-Dichloropropane	10.93	76	31331	21.437	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	60253	113.898	ug/l	99
59) 2-Hexanone	10.97	43	46358	109.047	ug/l	99
60) Dibromochloromethane	11.13	129	21317	21.451	ug/l	98
61) 1,2-Dibromoethane	11.24	107	17614	22.078	ug/l	97
64) Tetrachloroethene	10.87	164	22735	20.737	ug/l	94
65) Chlorobenzene	11.66	112	74357	20.905	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	22943	21.322	ug/l	100
67) Ethyl Benzene	11.73	91	134038	20.513	ug/l	98
68) m/p-Xylenes	11.84	106	106768	41.647	ug/l	98
69) o-Xylene	12.17	106	50132	20.739	ug/l	100
70) Styrene	12.18	104	80800	21.002	ug/l	99
71) Bromoform	12.35	173	11231	22.157	ug/l #	100
73) Isopropylbenzene	12.47	105	137099	20.287	ug/l	99
74) N-amyl acetate	12.27	43	24508	21.638	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	19538	21.724	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	26183	38.320	ug/l #	100
77) Bromobenzene	12.75	156	29605	20.397	ug/l	99
78) n-propylbenzene	12.81	91	164518	20.098	ug/l	99
79) 2-Chlorotoluene	12.90	91	95504	20.234	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	118296	20.243	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	5539	20.352	ug/l	93
82) 4-Chlorotoluene	12.99	91	100967	20.385	ug/l	99
83) tert-Butylbenzene	13.21	119	102598	20.278	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	117054	20.104	ug/l	98
85) sec-Butylbenzene	13.39	105	144291	20.187	ug/l	100
86) p-Isopropyltoluene	13.51	119	127426	20.208	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	60937	20.564	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	60510	20.481	ug/l	98
89) n-Butylbenzene	13.83	91	120251	20.264	ug/l	98
90) Hexachloroethane	14.10	117	18020	19.574	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	54125	20.846	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3306	21.765	ug/l	94

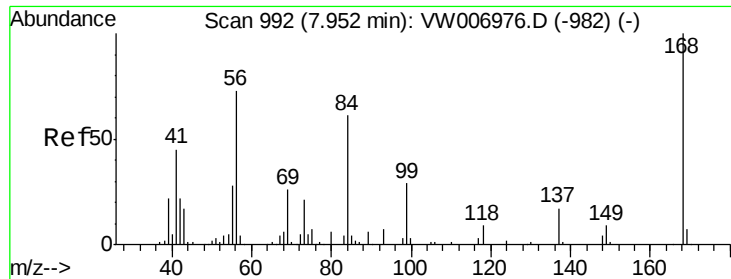
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112118\
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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	34252	20.005	ug/l	100
94) Hexachlorobutadiene	15.24	225	18258	19.616	ug/l	98
95) Naphthalene	15.38	128	61883	19.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	28763	20.249	ug/l	100

(#) = 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: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

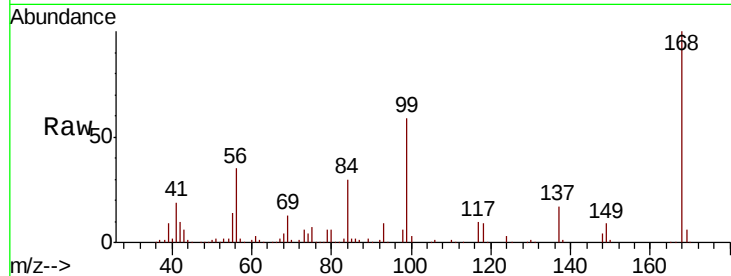
ClientSampleId :

Tot Ion:168 Resp: 115277

Ion Ratio Lower Upper

168 100

99 58.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

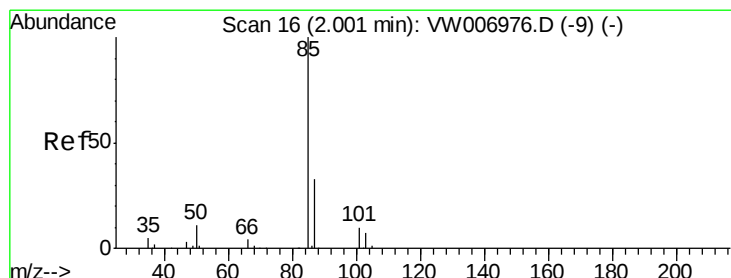
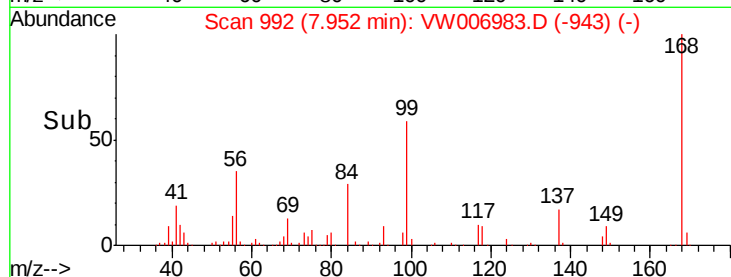
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.693 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006983.D

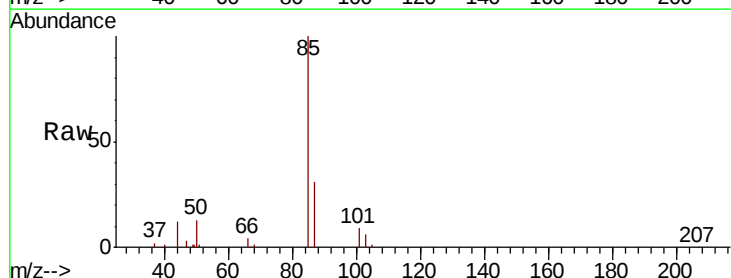
Acq: 20 Nov 2018 19:15

Tgt Ion: 85 Resp: 24690

Ion Ratio Lower Upper

85 100

87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

20000

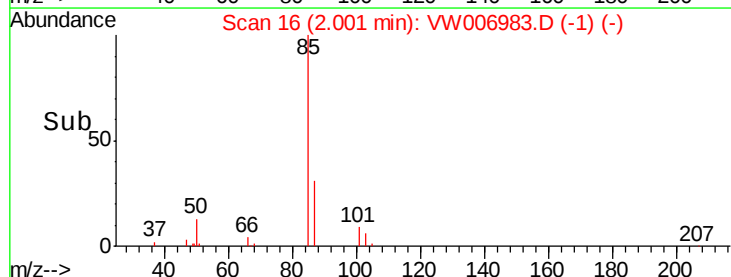
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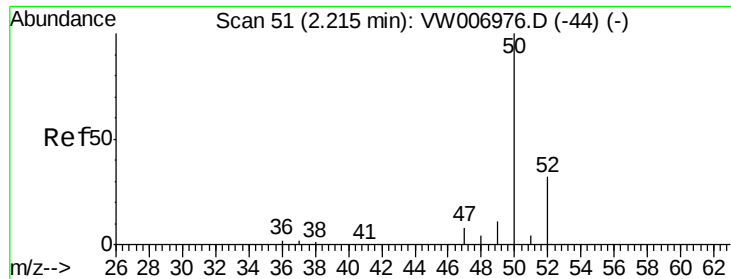
10000

5000

0

Time-->





#3

Chloromethane

Concen: 21.092 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

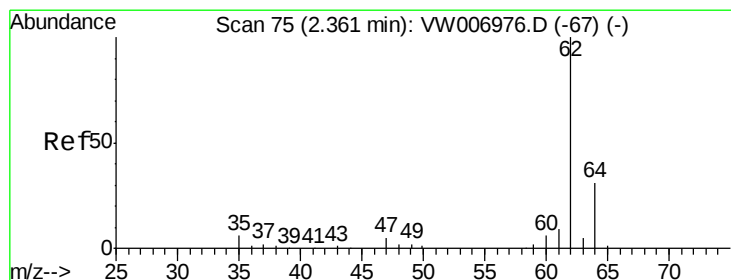
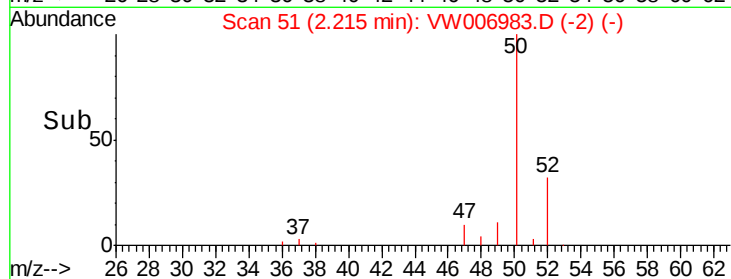
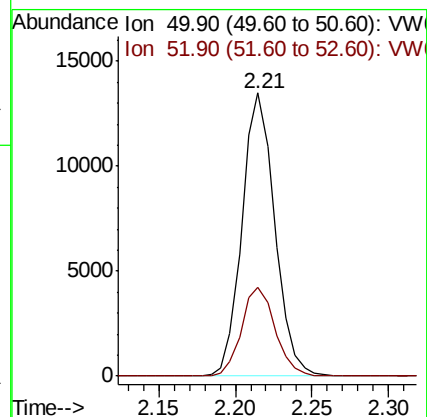
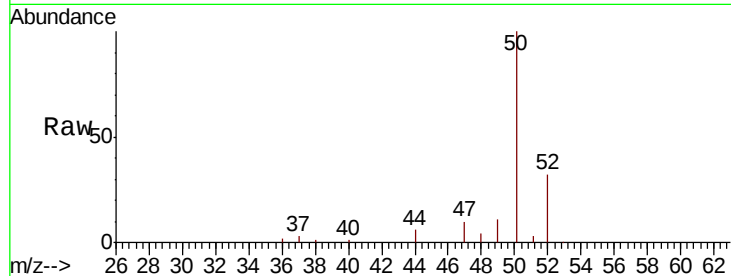
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 50 Resp: 20006

Ion Ratio Lower Upper

50 100

52 31.6 25.7 38.5



#4

Vinyl Chloride

Concen: 20.827 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006983.D

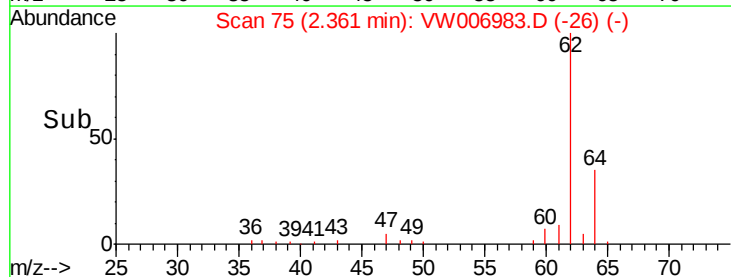
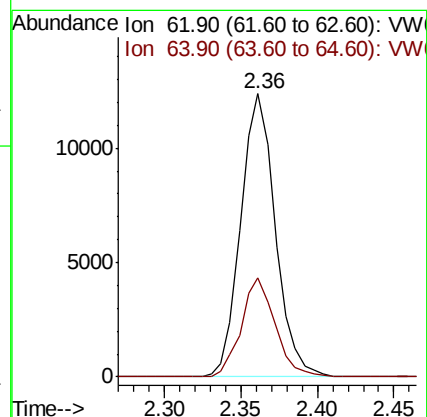
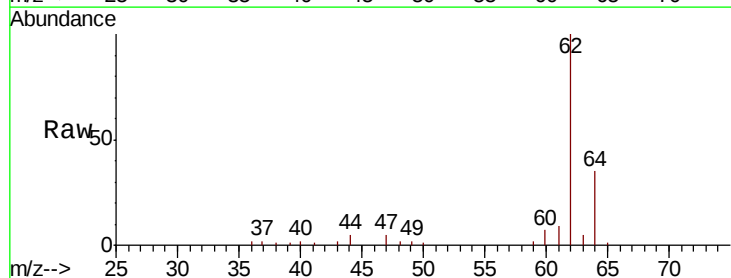
Acq: 20 Nov 2018 19:15

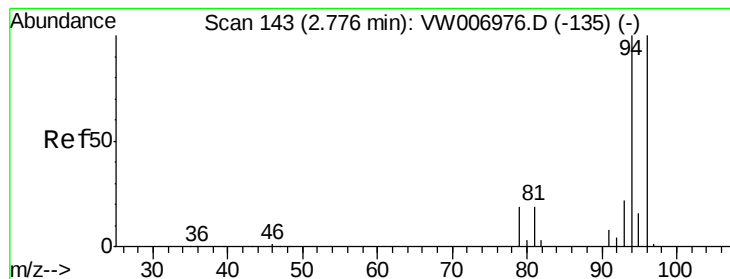
Tgt Ion: 62 Resp: 19437

Ion Ratio Lower Upper

62 100

64 34.8 25.2 37.8





#5

Bromomethane

Concen: 20.712 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

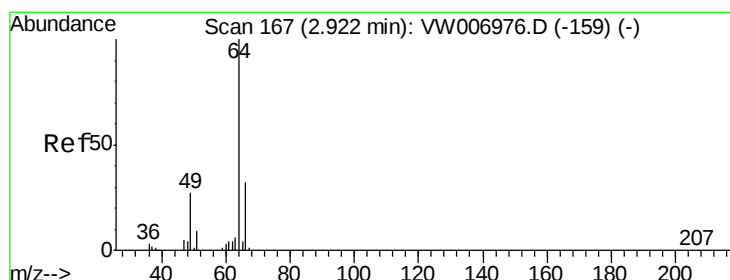
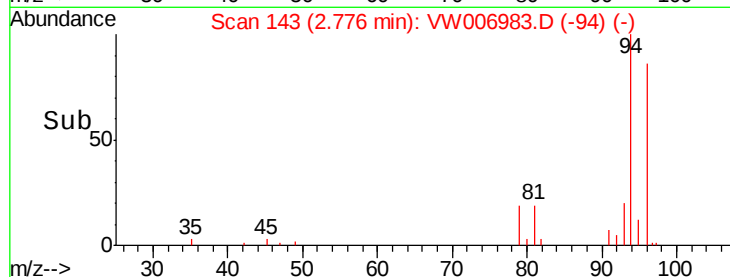
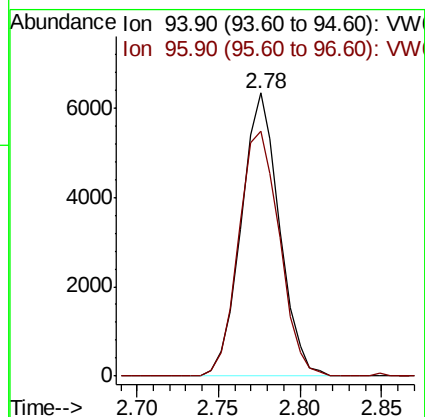
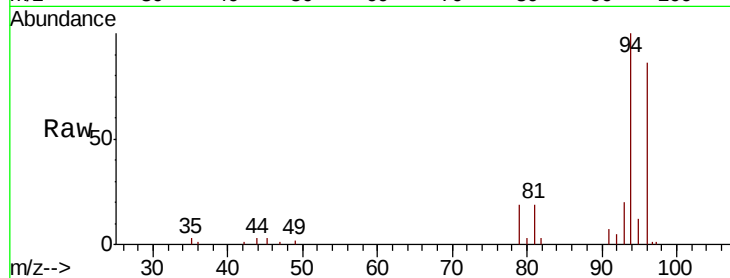
ClientSampleId :

Tot Ion: 94 Resp: 10317

Ion Ratio Lower Upper

94 100

96 86.4 80.2 120.2



#6

Chloroethane

Concen: 20.434 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW006983.D

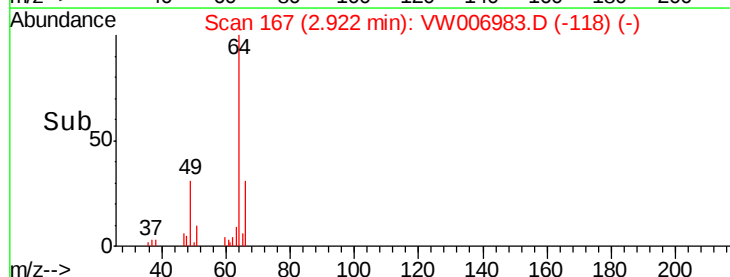
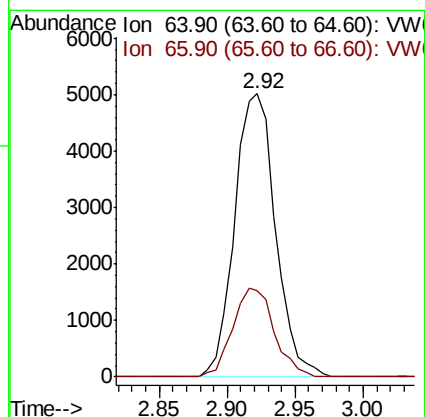
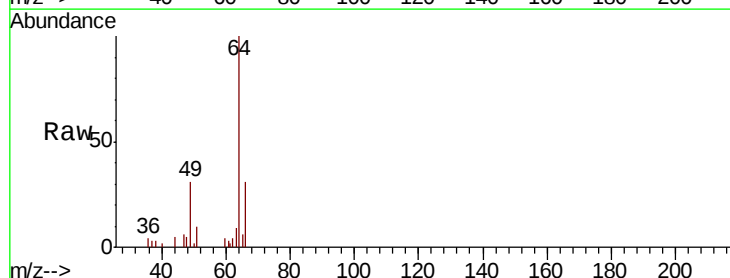
Acq: 20 Nov 2018 19:15

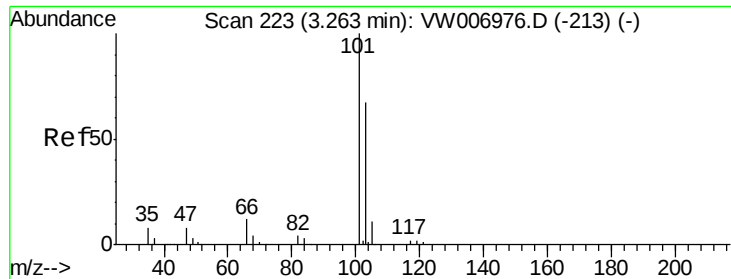
Tgt Ion: 64 Resp: 10512

Ion Ratio Lower Upper

64 100

66 30.6 25.3 37.9



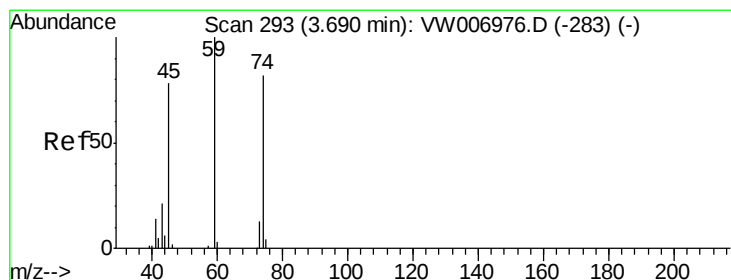
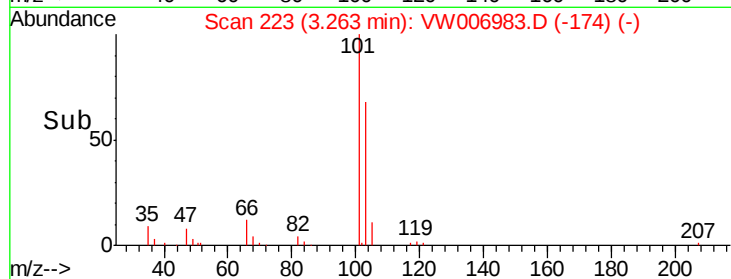
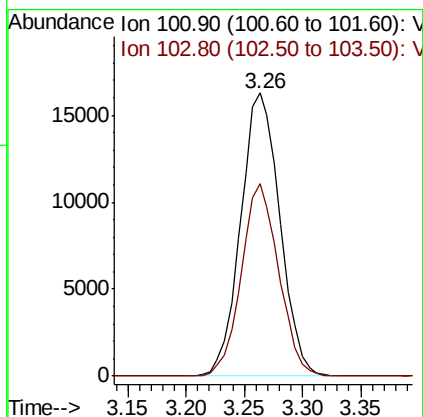
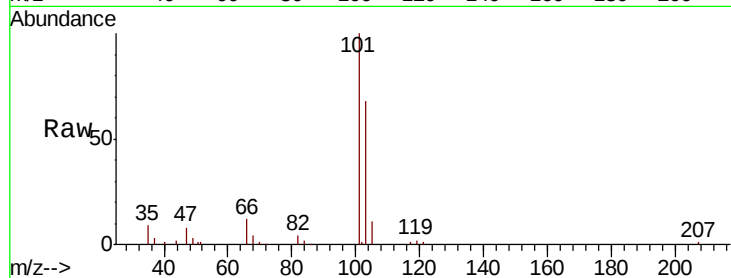


#7

Trichlorofluoromethane
 Concen: 20.851 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Instrument :
 MSVOA_W
 ClientSampleId :

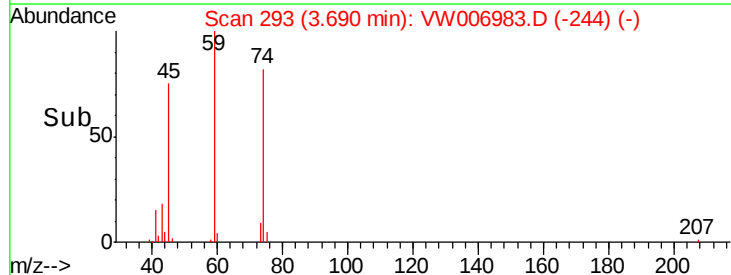
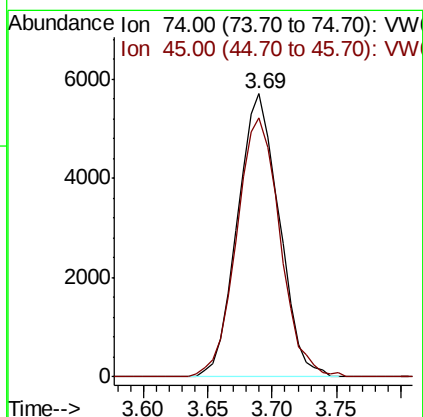
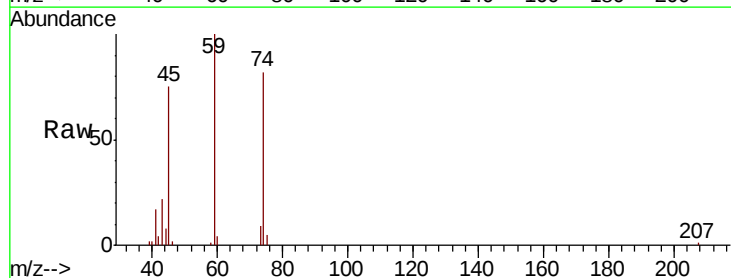
Tot Ion:101 Resp: 38264
 Ion Ratio Lower Upper
 101 100
 103 68.0 53.4 80.2

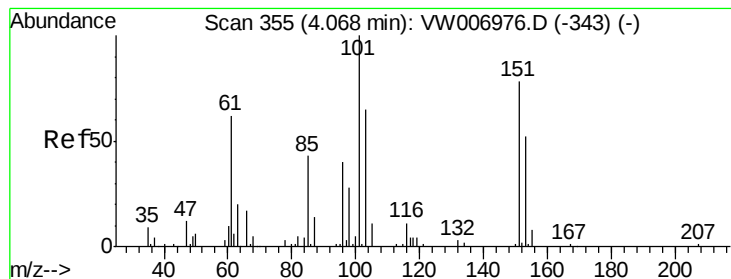


#8

Diethyl Ether
 Concen: 21.650 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion: 74 Resp: 12802
 Ion Ratio Lower Upper
 74 100
 45 95.2 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.322 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

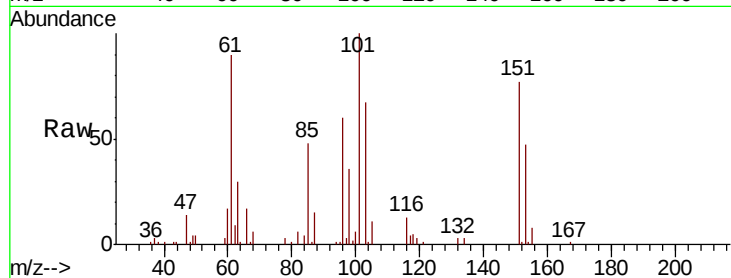
Tot Ion:101 Resp: 25367

Ion Ratio Lower Upper

101 100

85 44.5 34.3 51.5

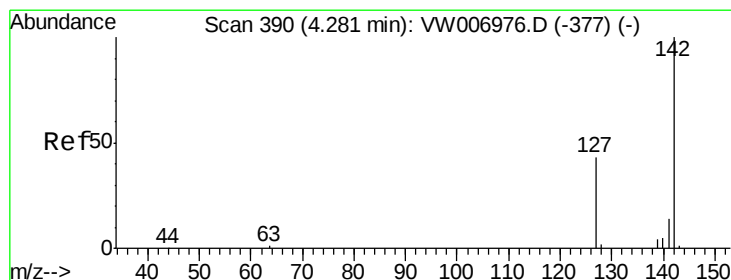
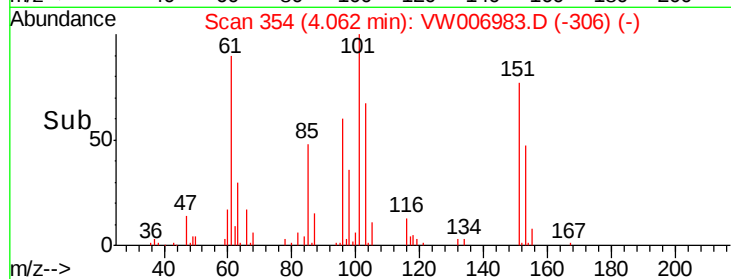
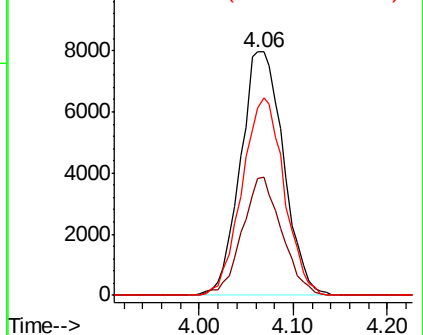
151 79.2 63.4 95.2



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: 18.074 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

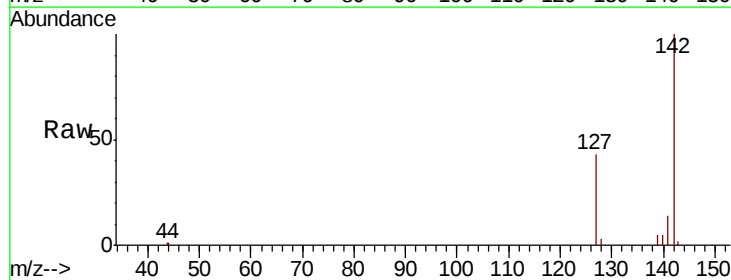
Tgt Ion:142 Resp: 24615

Ion Ratio Lower Upper

142 100

127 43.0 35.3 52.9

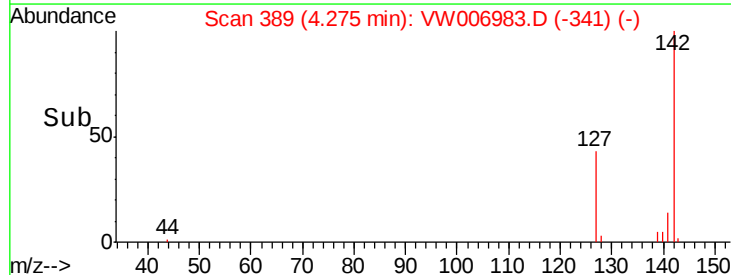
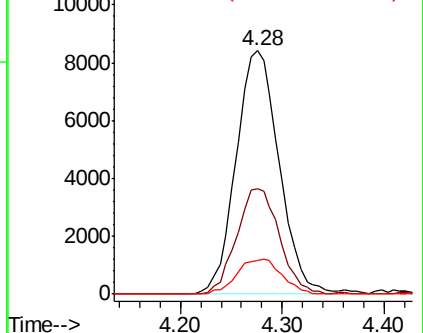
141 14.8 11.7 17.5

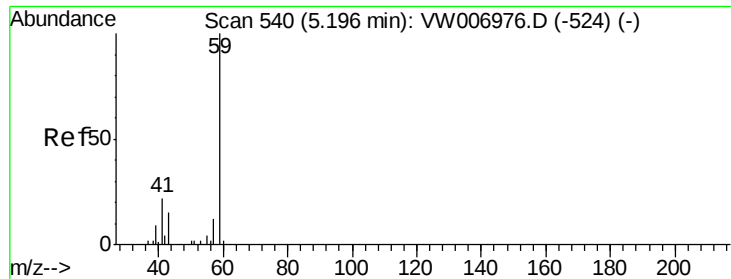


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

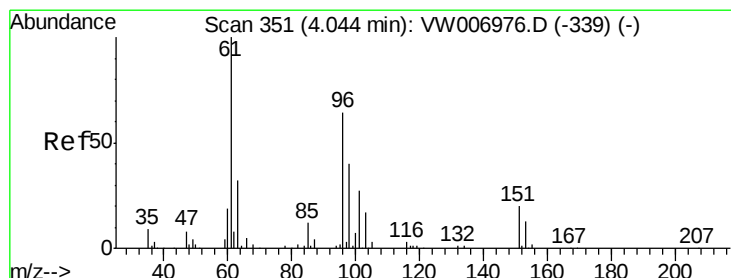
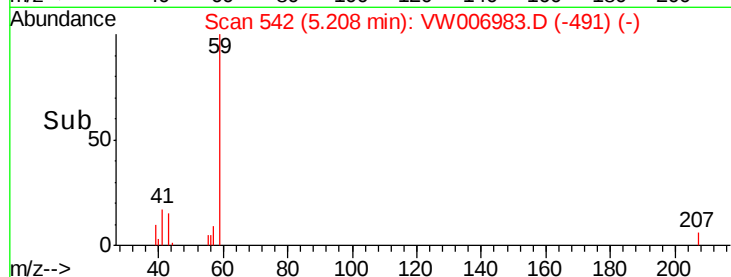
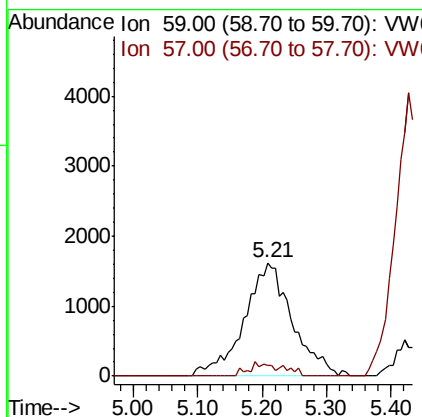
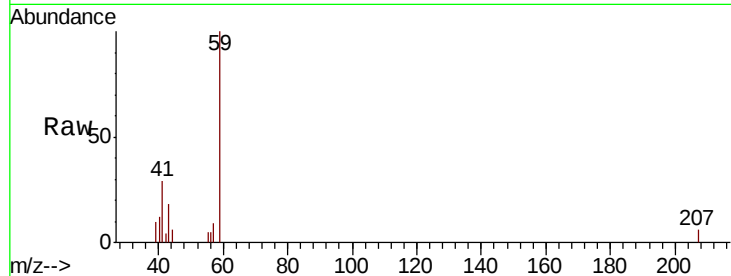




#11
Tert butyl alcohol
Concen: 113.040 ug/l
RT: 5.21 min Scan# 542
Delta R.T. 0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

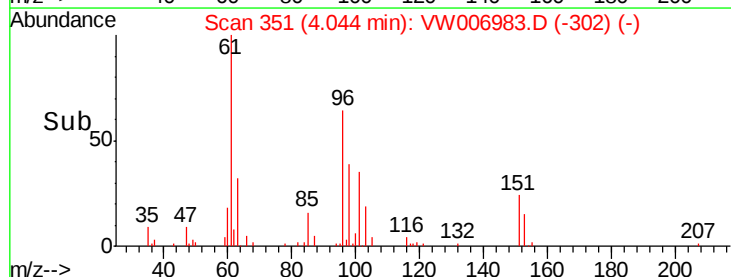
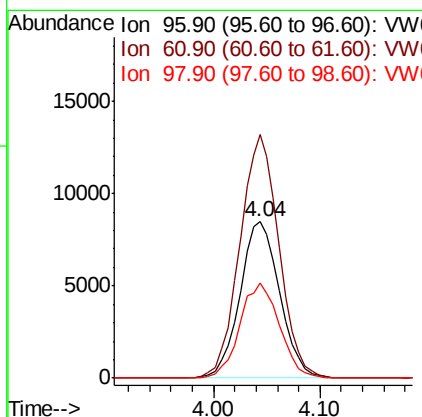
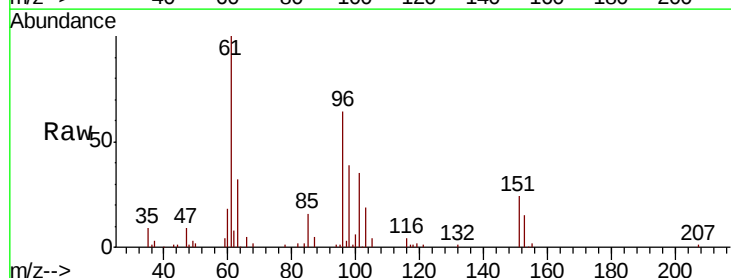
Instrument :
MSVOA_W
ClientSampled :

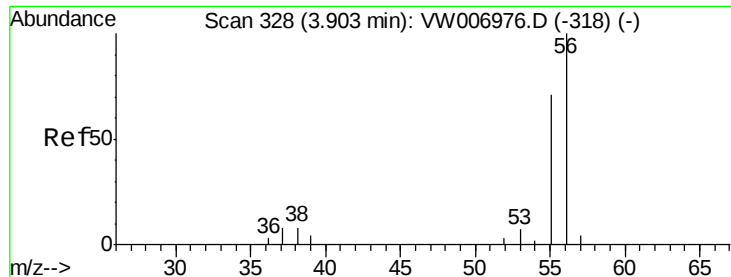
Tot Ion: 59 Resp: 8305
Ion Ratio Lower Upper
59 100
57 0.0 8.6 13.0#



#12
1,1-Dichloroethene
Concen: 21.286 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 96 Resp: 22210
Ion Ratio Lower Upper
96 100
61 155.9 124.3 186.5
98 60.8 49.4 74.2





#13

Acrolein

Concen: 109.621 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

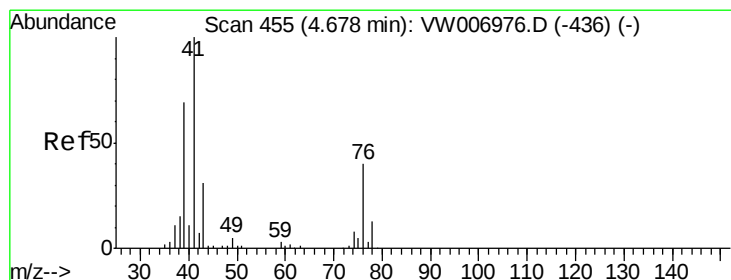
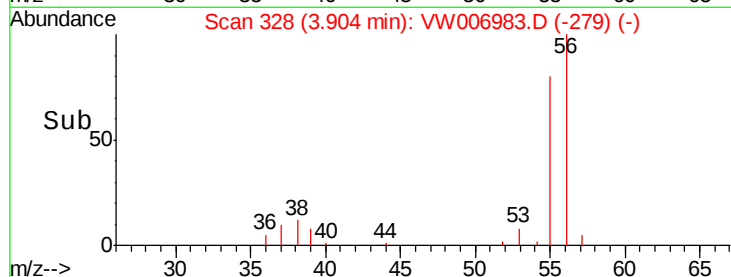
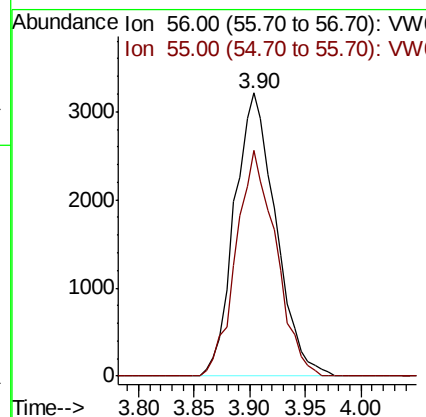
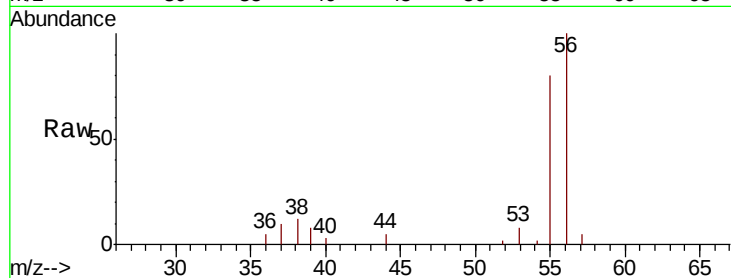
ClientSampleId :

Tot Ion: 56 Resp: 8271

Ion Ratio Lower Upper

56 100

55 77.4 57.5 86.3



#14

Allyl chloride

Concen: 20.250 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

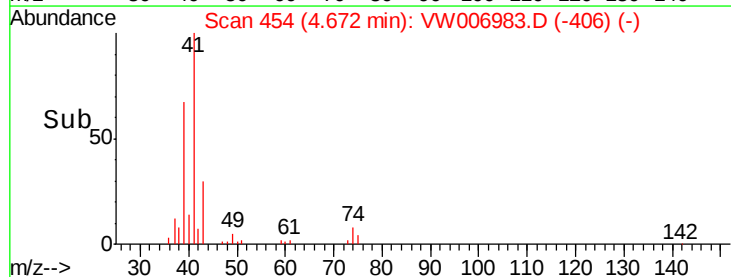
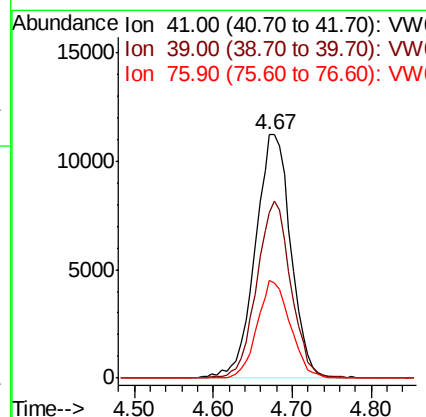
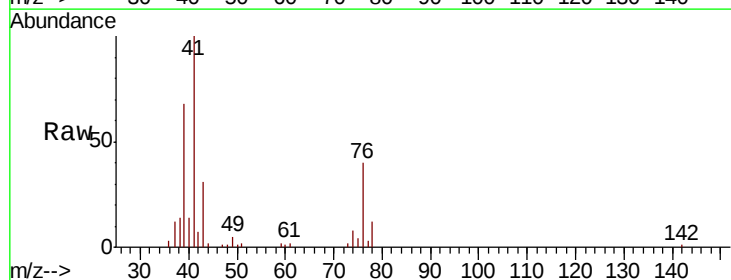
Tgt Ion: 41 Resp: 35046

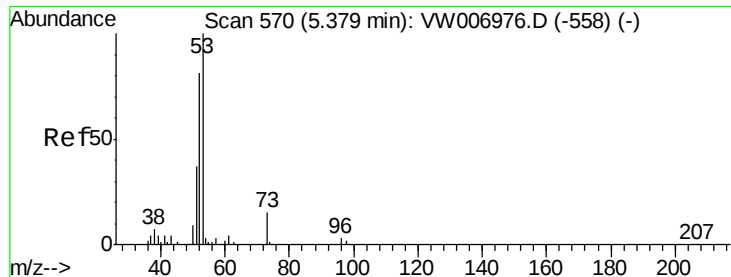
Ion Ratio Lower Upper

41 100

39 69.7 55.4 83.2

76 37.0 29.6 44.4





#15

Acrylonitrile

Concen: 109.300 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

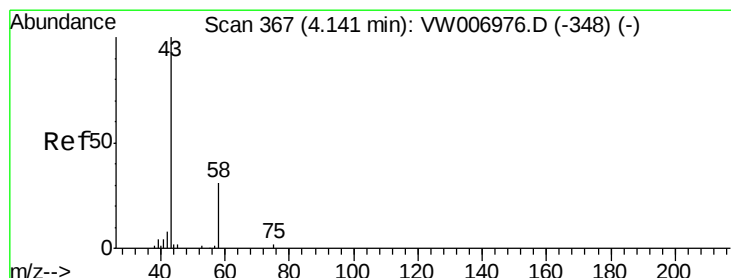
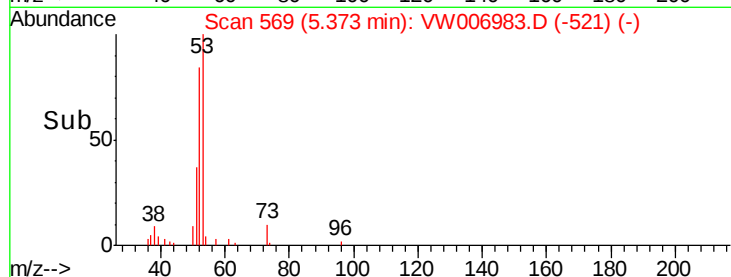
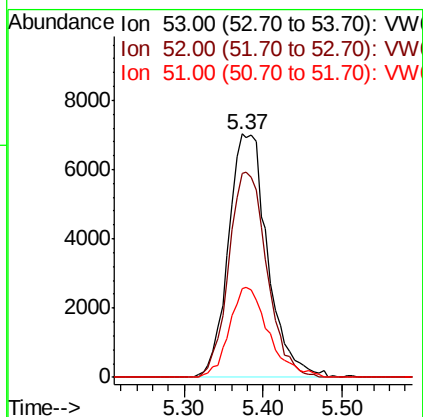
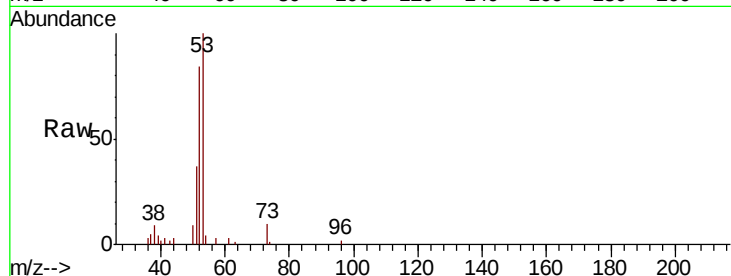
Tot Ion: 53 Resp: 24291

Ion Ratio Lower Upper

53 100

52 81.9 65.7 98.5

51 37.0 29.9 44.9



#16

Acetone

Concen: 107.459 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006983.D

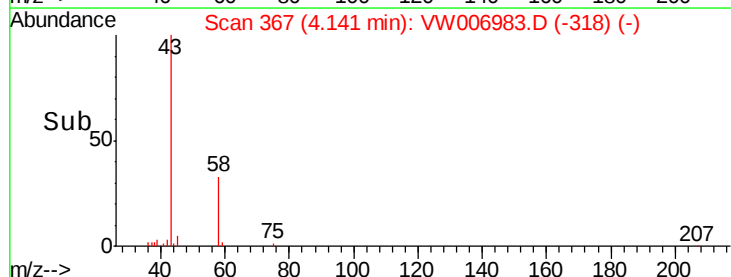
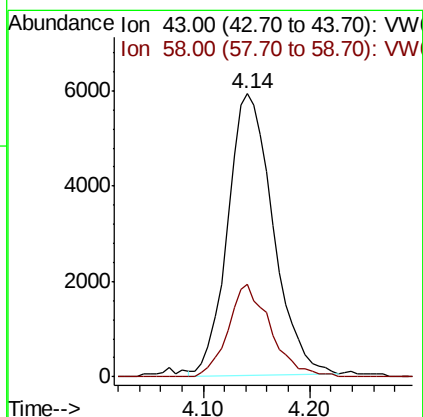
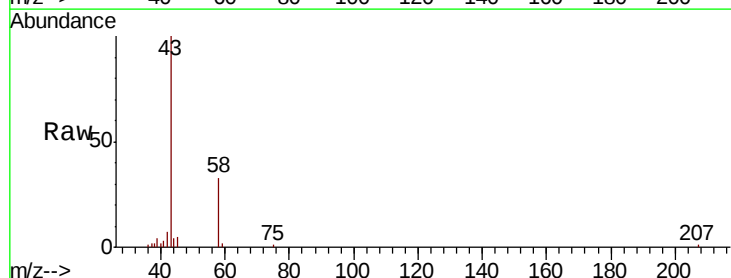
Acq: 20 Nov 2018 19:15

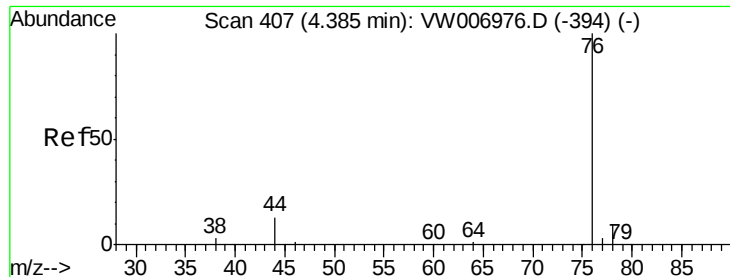
Tgt Ion: 43 Resp: 17608

Ion Ratio Lower Upper

43 100

58 33.1 24.8 37.2

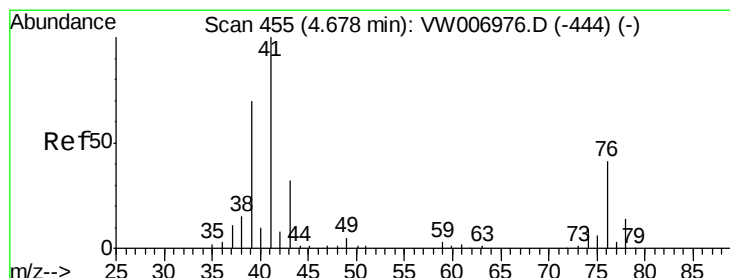
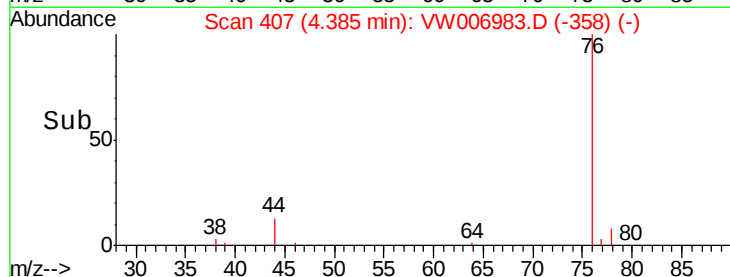
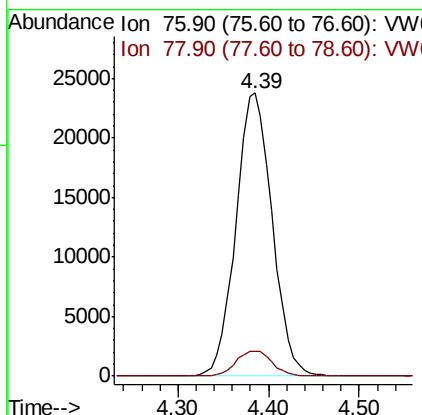
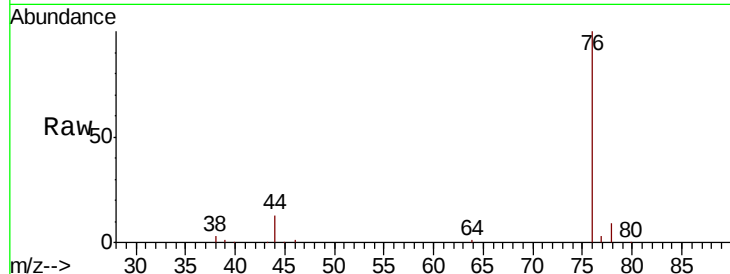




#17
Carbon Disulfide
Concen: 19.497 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

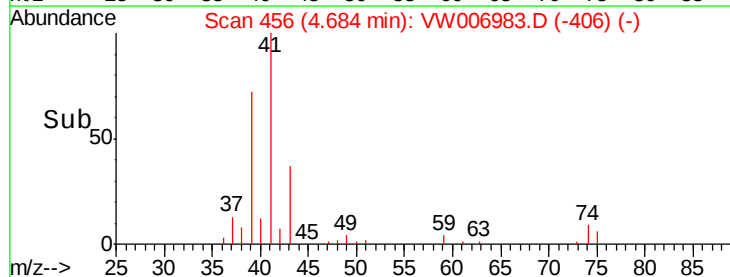
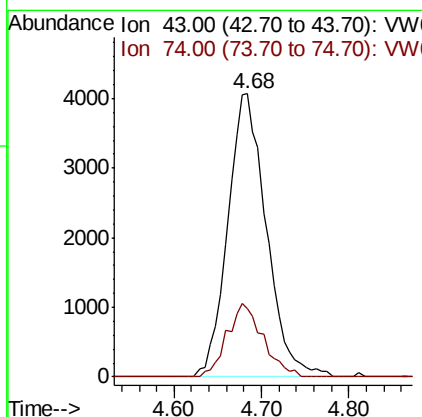
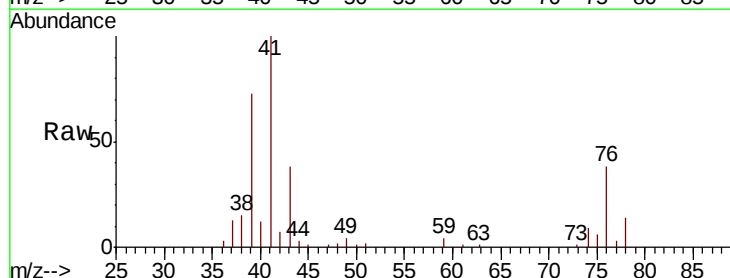
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 76 Resp: 65771
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6



#18
Methyl Acetate
Concen: 21.307 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 43 Resp: 12433
Ion Ratio Lower Upper
43 100
74 24.0 20.1 30.1



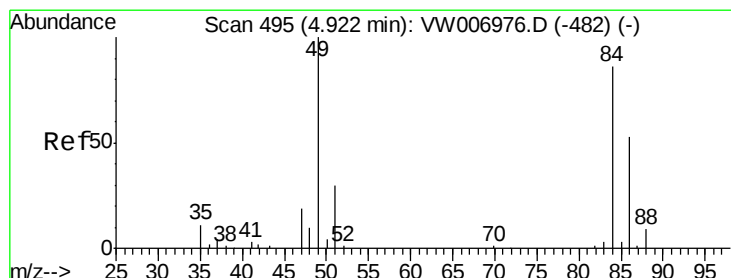
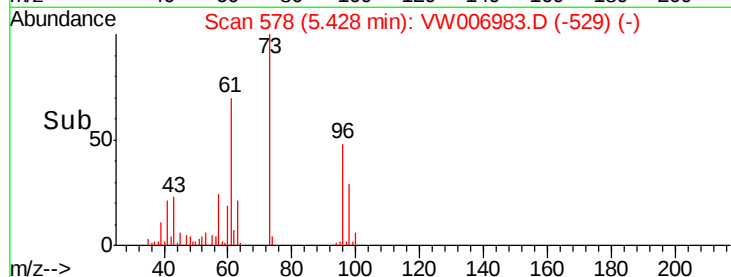
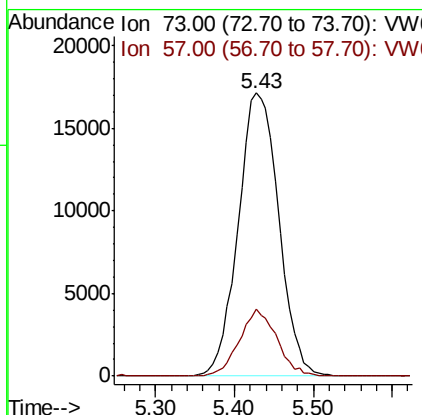
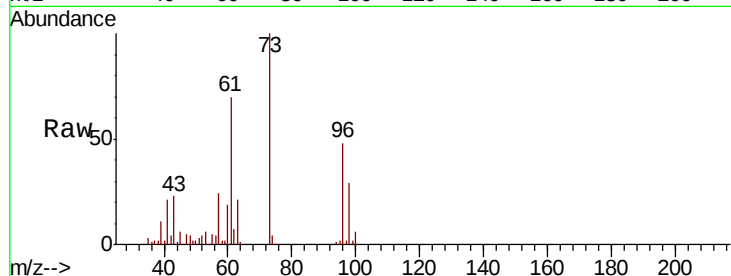


#19

Methyl tert-butyl Ether
 Concen: 22.464 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Instrument :
 MSVOA_W
 ClientSampleId :

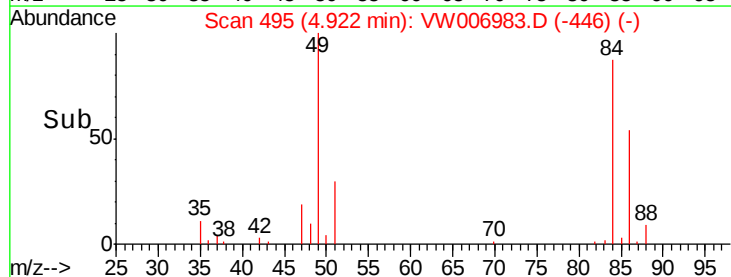
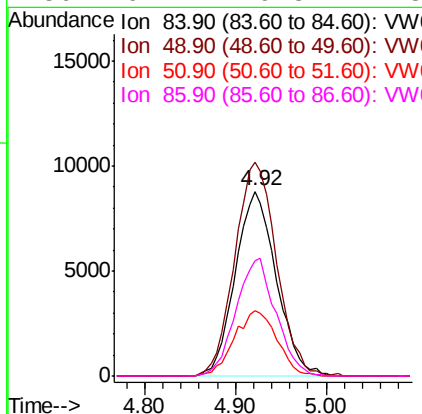
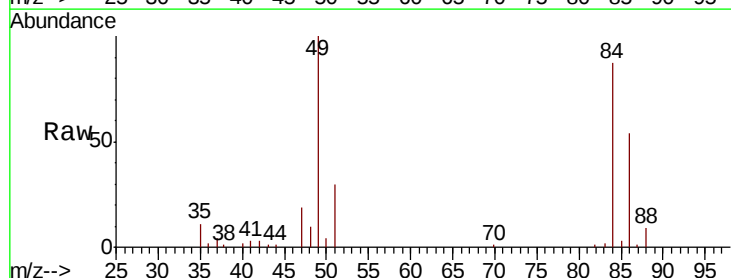
Tot Ion: 73 Resp: 61201
 Ion Ratio Lower Upper
 73 100
 57 23.6 16.7 25.1

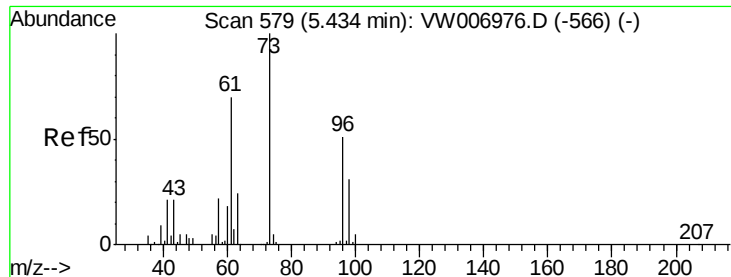


#20

Methylene Chloride
 Concen: 17.611 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion: 84 Resp: 27565
 Ion Ratio Lower Upper
 84 100
 49 115.5 93.4 140.0
 51 35.2 28.4 42.6
 86 62.1 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.706 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

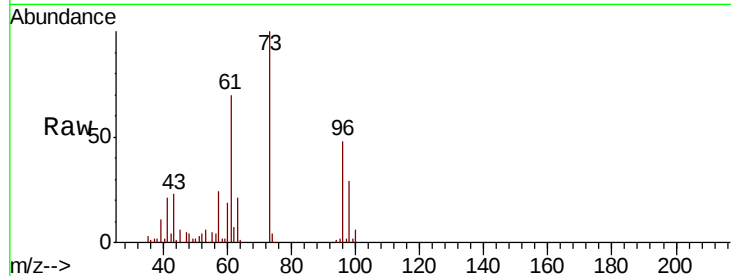
Tot Ion: 96 Resp: 25168

Ion Ratio Lower Upper

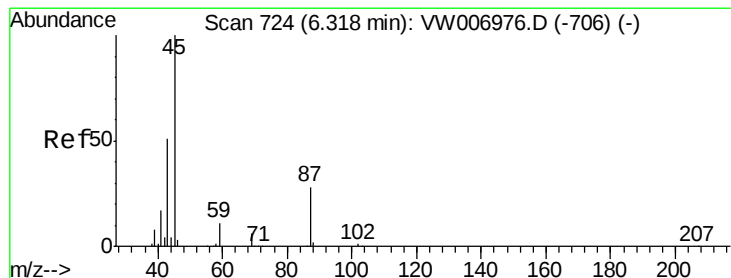
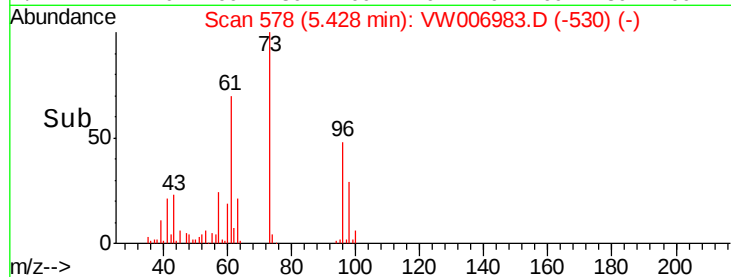
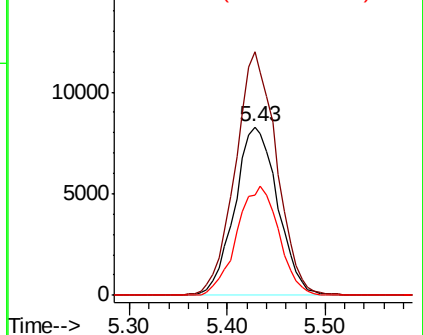
96 100

61 143.8 109.4 164.0

98 59.3 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: 21.321 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Tgt Ion: 45 Resp: 71821

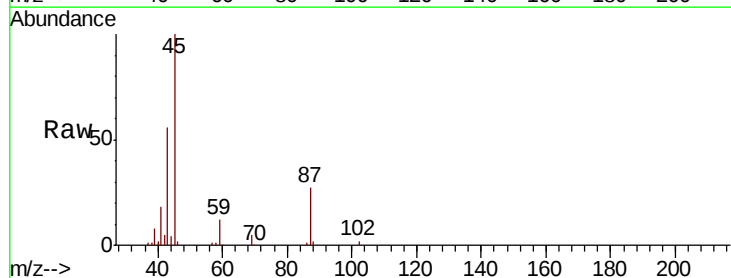
Ion Ratio Lower Upper

45 100

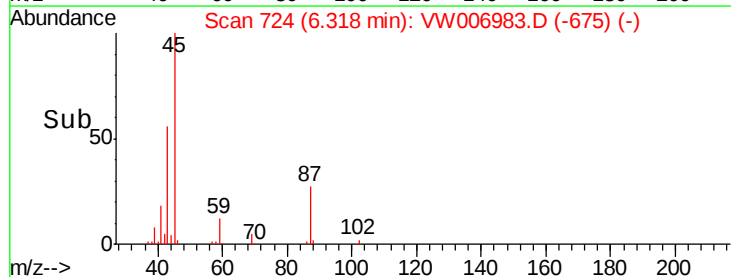
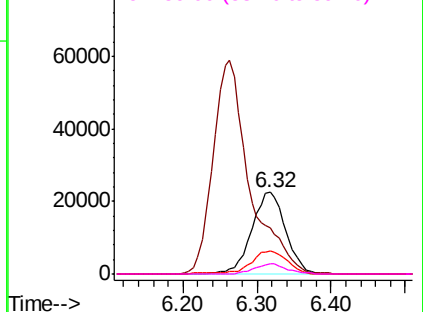
43 55.7 42.5 63.7

87 27.5 22.8 34.2

59 12.2 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: 112.208 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

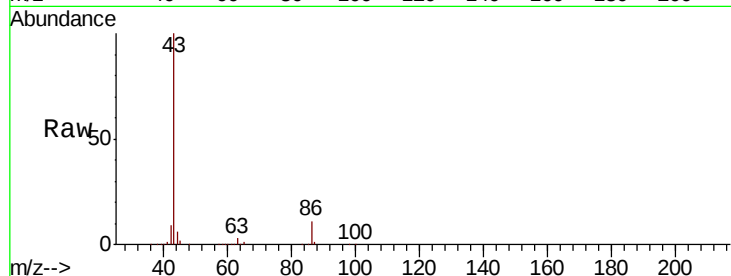
ClientSampled :

Tot Ion: 43 Resp: 200718

Ion Ratio Lower Upper

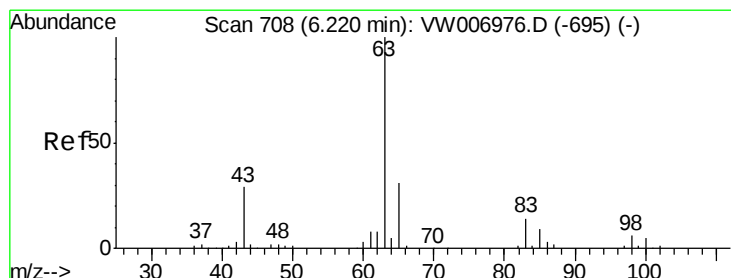
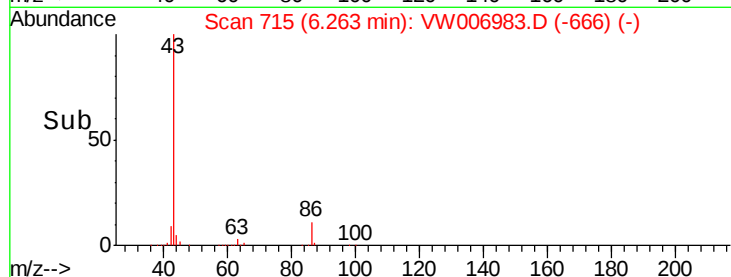
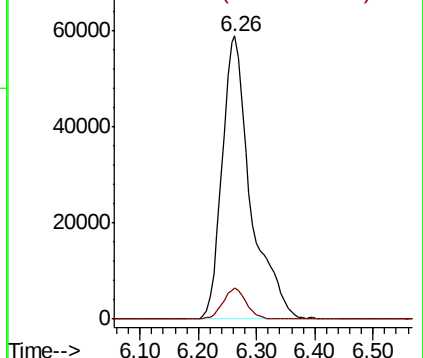
43 100

86 11.2 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: 20.225 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

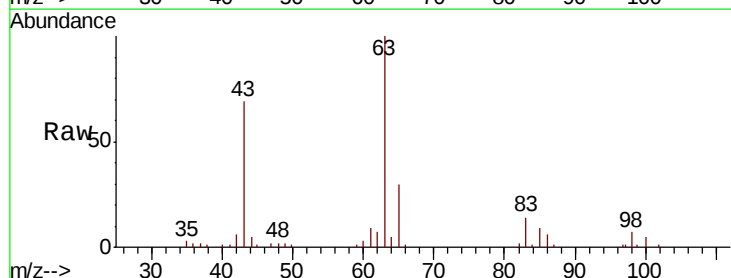
Tgt Ion: 63 Resp: 41446

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

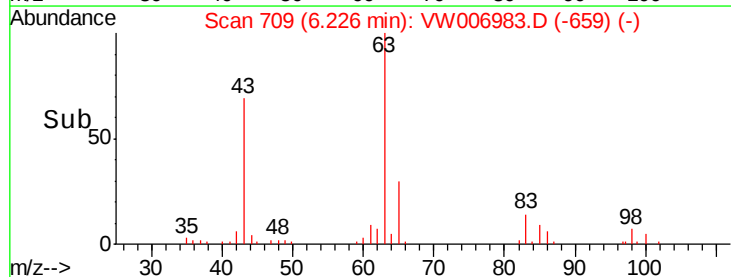
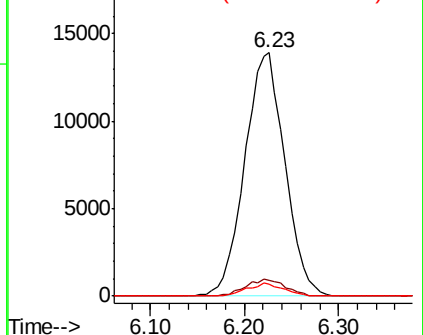
100 5.1 2.3 6.9

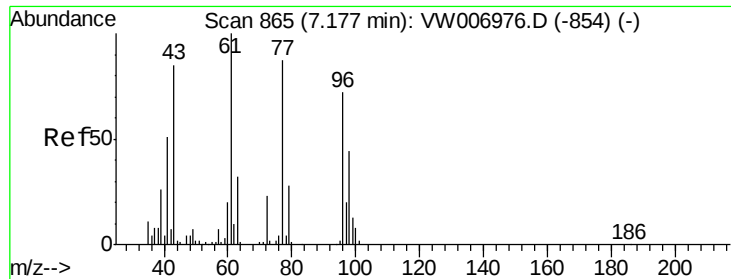


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 111.430 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

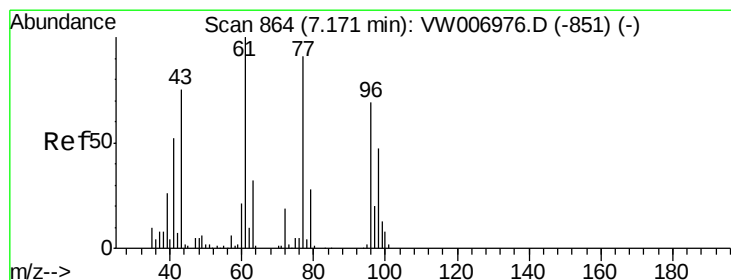
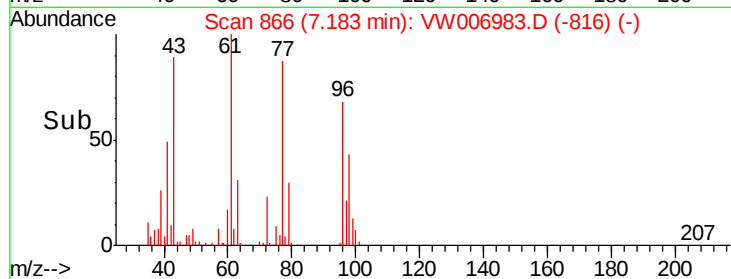
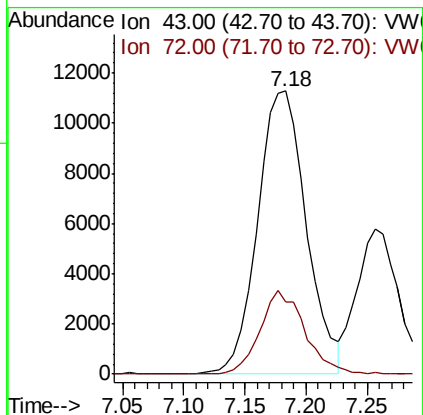
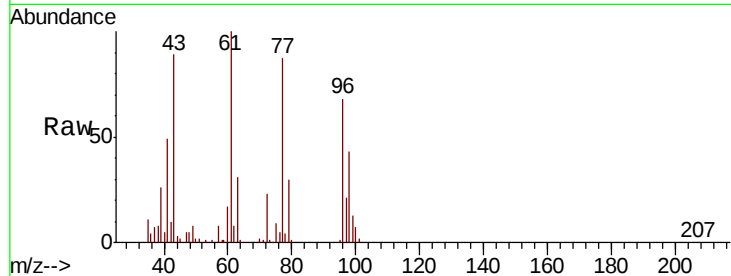
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 31272

Ion Ratio Lower Upper

43 100

72 25.5 21.3 31.9



#26

2,2-Dichloropropane

Concen: 21.141 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW006983.D

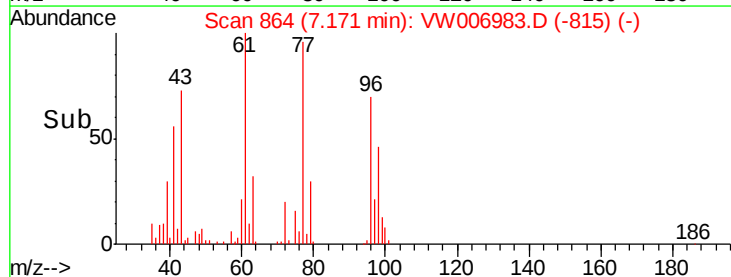
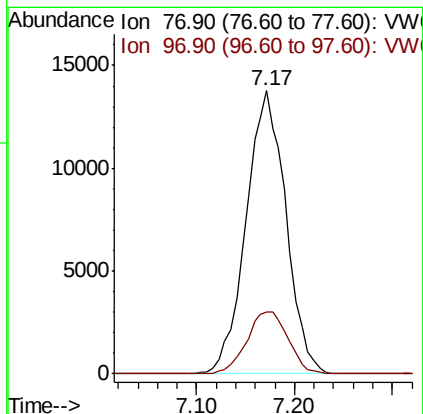
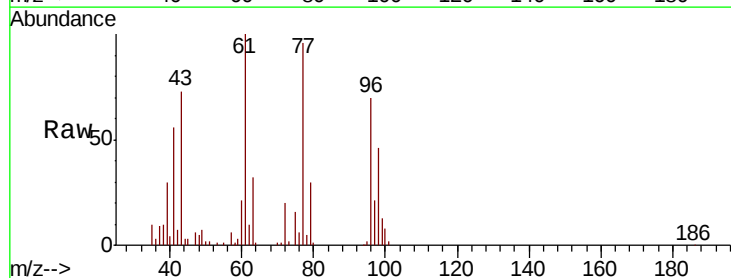
Acq: 20 Nov 2018 19:15

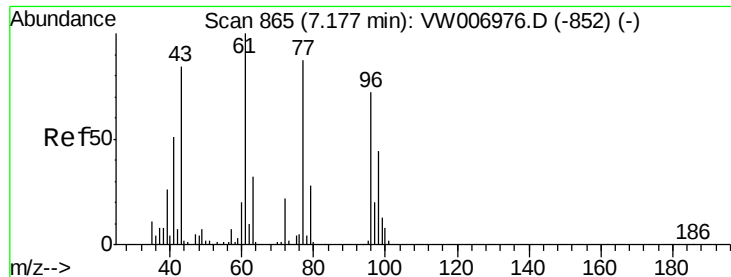
Tgt Ion: 77 Resp: 38958

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1



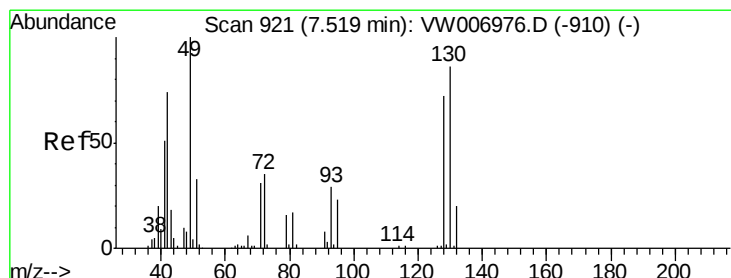
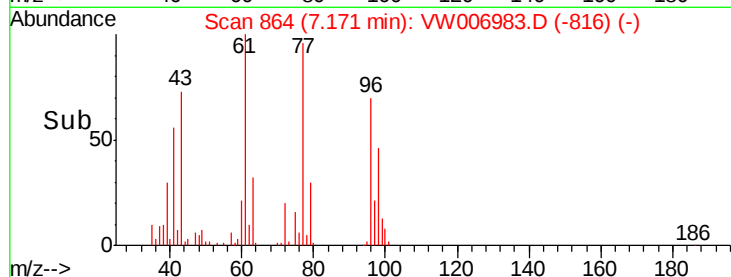
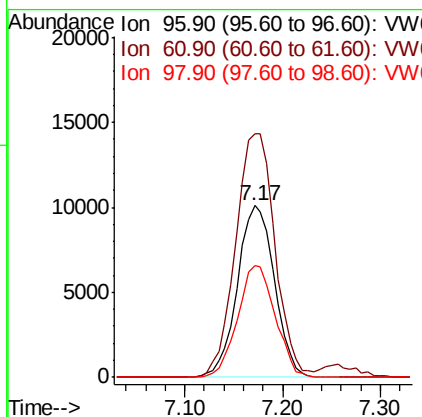
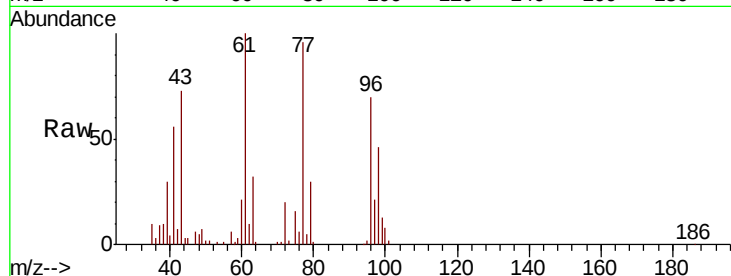


#27

cis-1,2-Dichloroethene
Concen: 20.493 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampled :

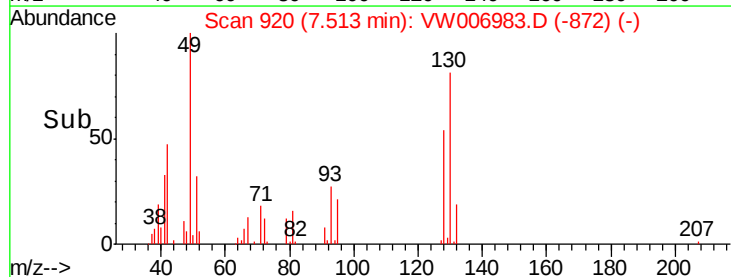
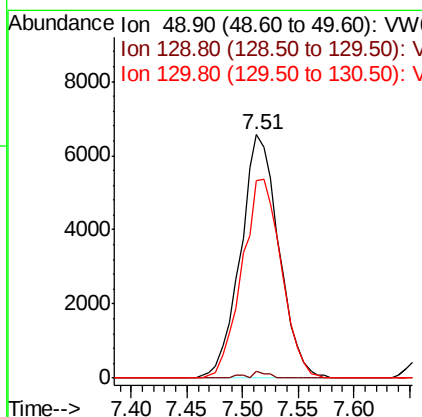
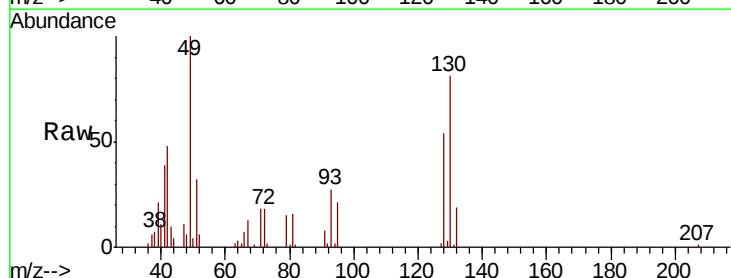
Tot Ion	96	Resp	26525
Ion Ratio	Lower	Upper	
96	100		
61	151.2	0.0	292.6
98	65.8	0.0	129.8

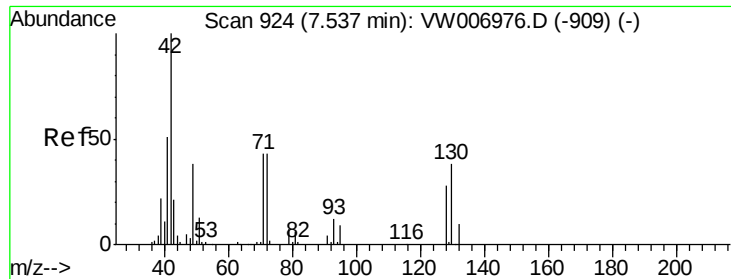


#28

Bromochloromethane
Concen: 20.493 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion	49	Resp	15695
Ion Ratio	Lower	Upper	
49	100		
129	1.3	0.0	2.0
130	84.0	69.0	103.4

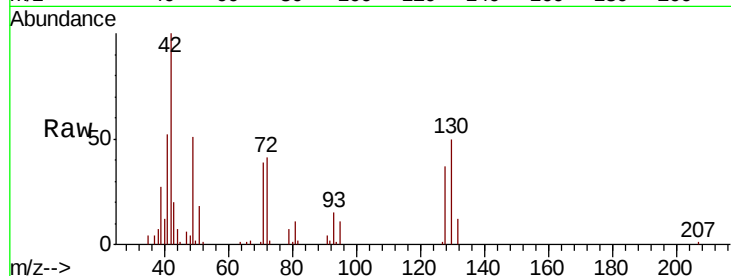




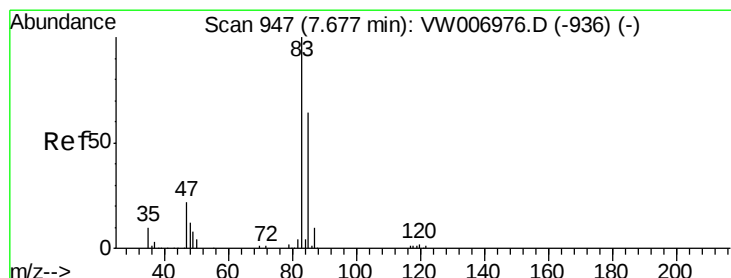
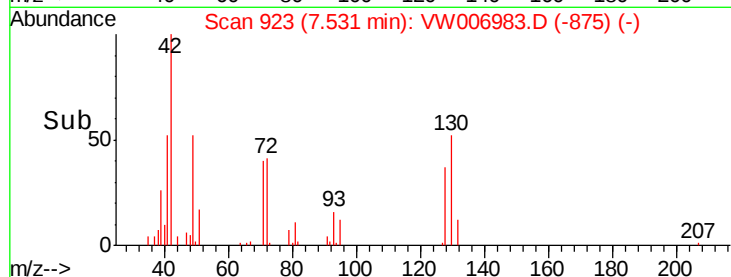
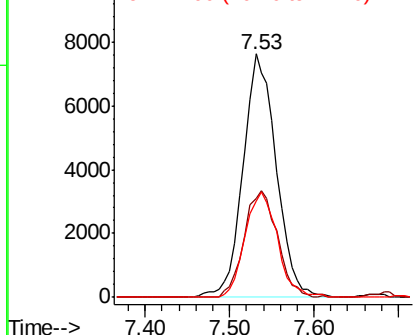
#29
Tetrahydrofuran
Concen: 111.637 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 42 Resp: 20291
Ion Ratio Lower Upper
42 100
72 43.9 36.2 54.4
71 42.4 33.8 50.8

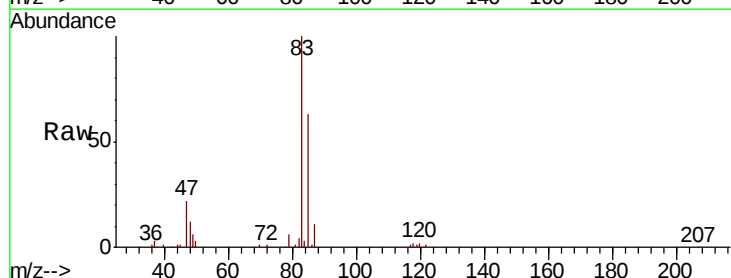


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

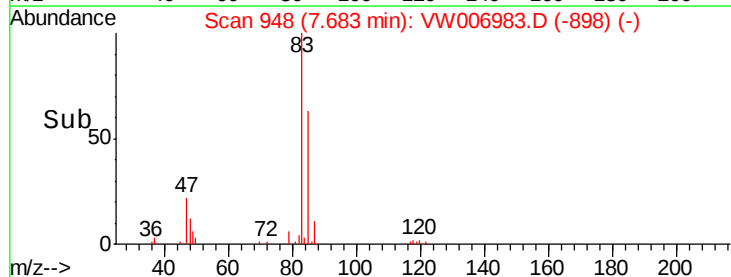
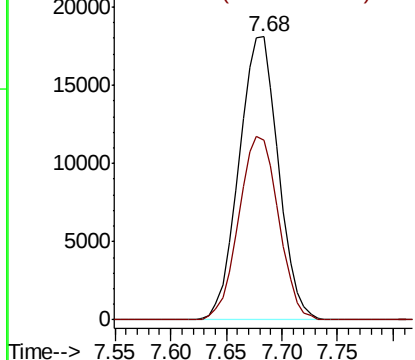


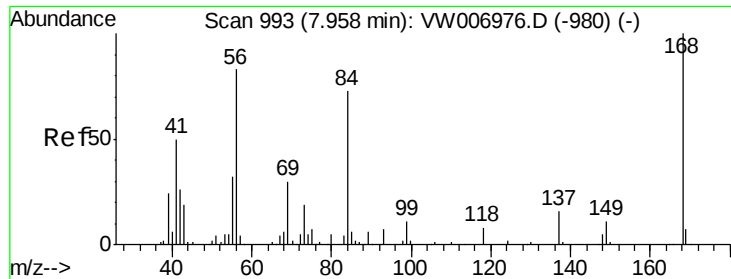
#30
Chloroform
Concen: 20.451 ug/l
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 83 Resp: 44524
Ion Ratio Lower Upper
83 100
85 63.4 50.9 76.3



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

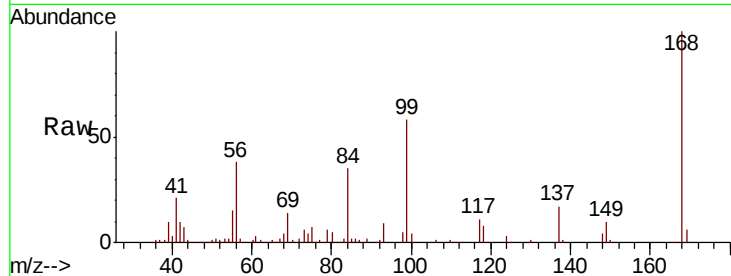




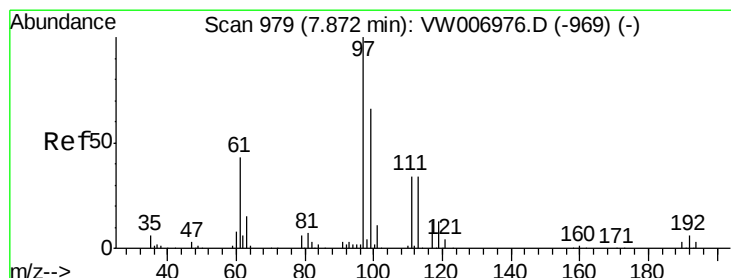
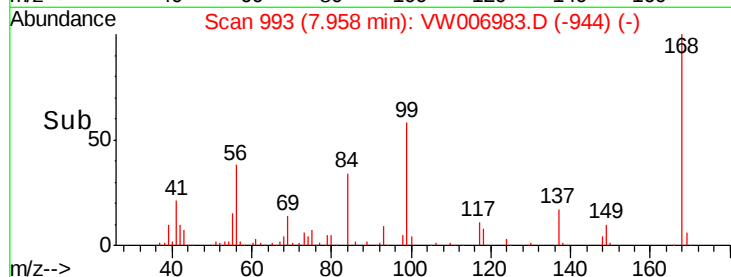
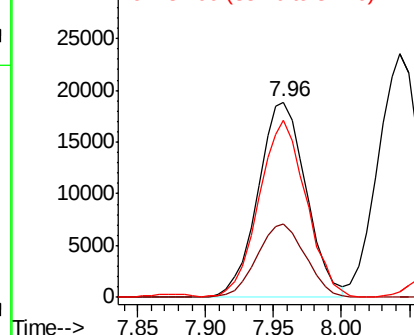
#31
Cyclohexane
Concen: 21.459 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 46643
Ion Ratio Lower Upper
56 100
69 37.7 29.1 43.7
84 89.8 70.6 105.8

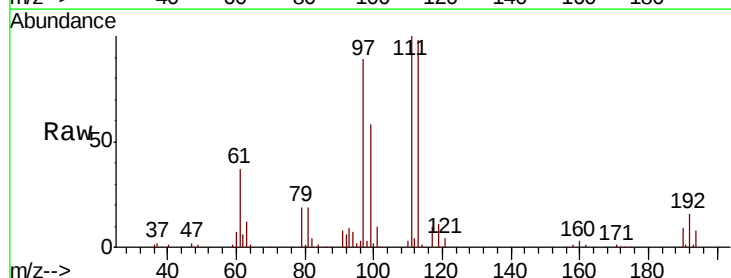


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

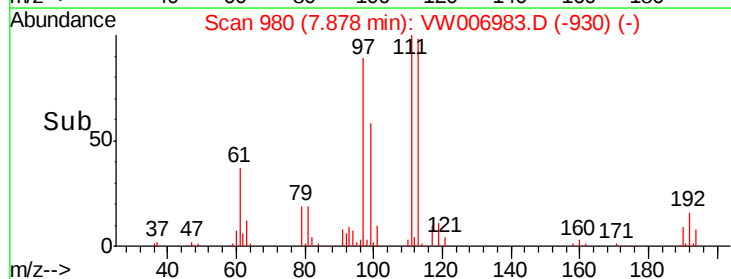
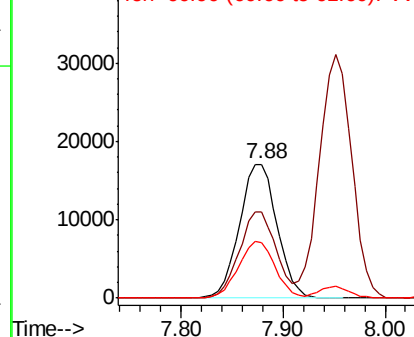


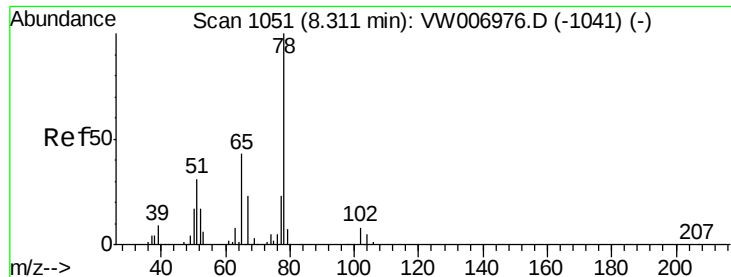
#32
1,1,1-Trichloroethane
Concen: 22.266 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 97 Resp: 43662
Ion Ratio Lower Upper
97 100
99 63.1 51.9 77.9
61 41.4 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

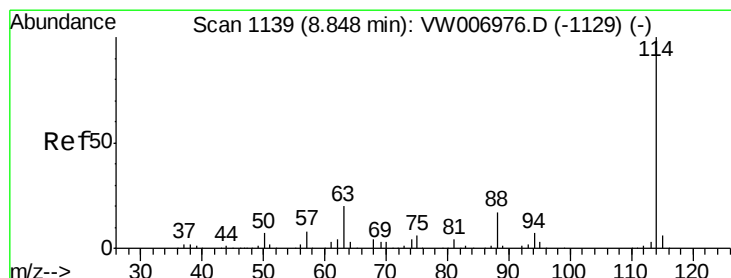
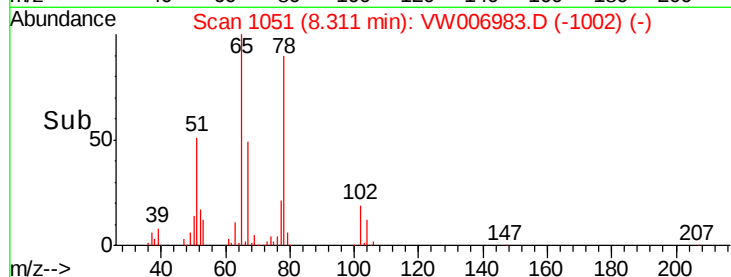
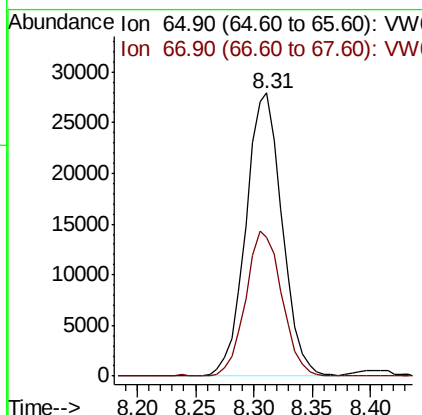
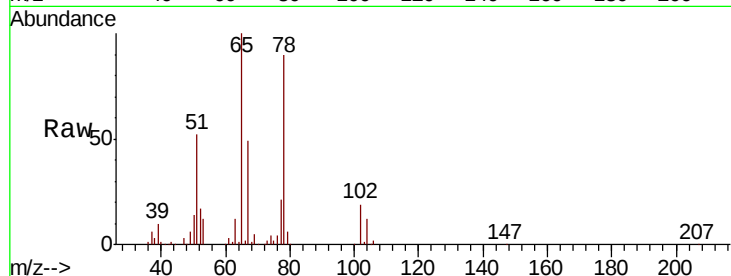




#33
 1,2-Dichloroethane-d4
 Concen: 53.837 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

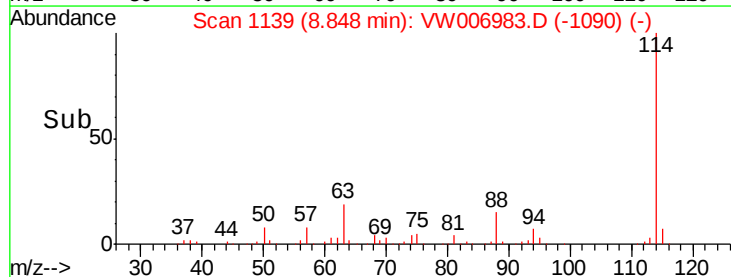
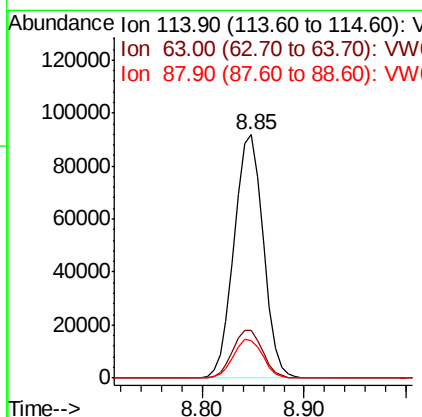
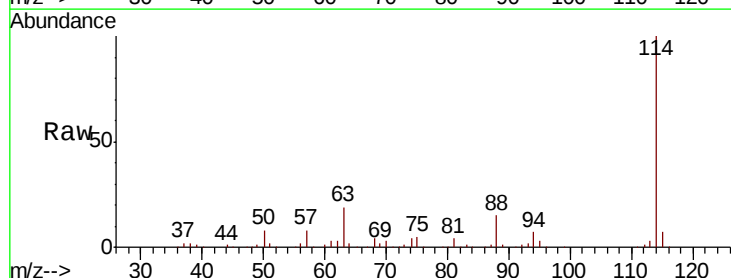
Instrument :
 MSVOA_W
 ClientSampleId :

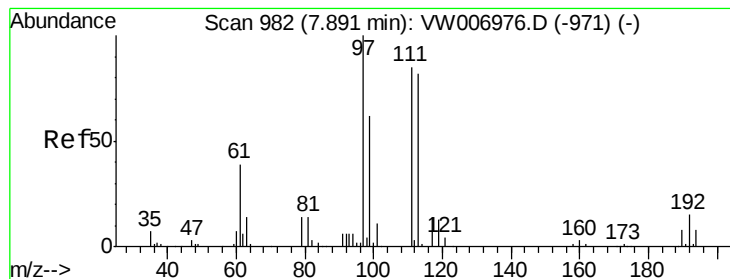
Tot Ion: 65 Resp: 60760
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion: 114 Resp: 182040
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 39.4
 88 15.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.851 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

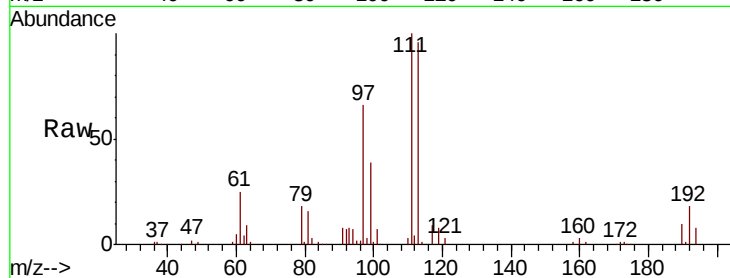
Tot Ion:113 Resp: 53304

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

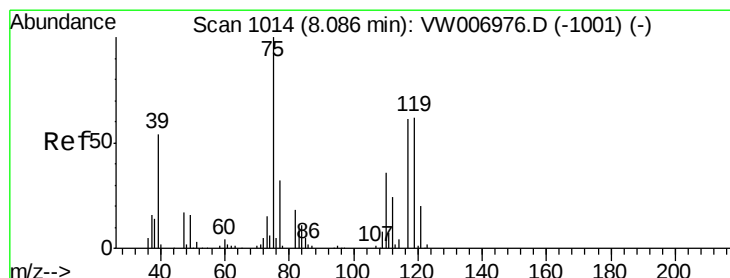
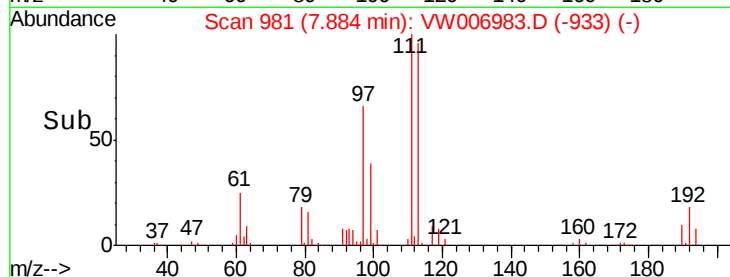
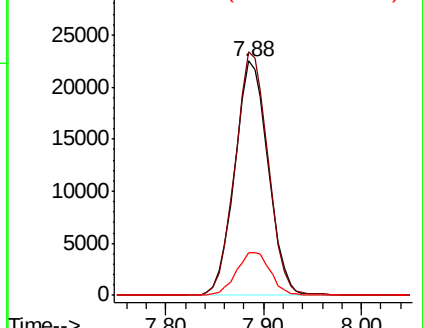
192 18.4 15.0 22.6



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: 21.337 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

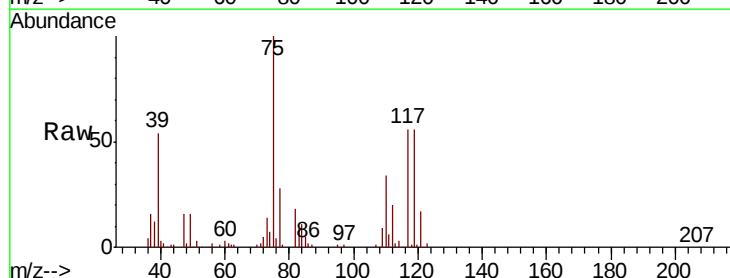
Tgt Ion: 75 Resp: 37956

Ion Ratio Lower Upper

75 100

110 36.6 18.0 54.0

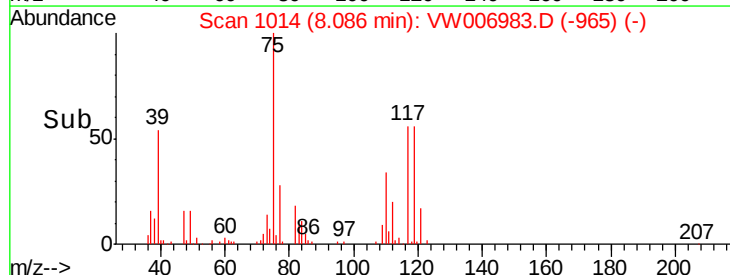
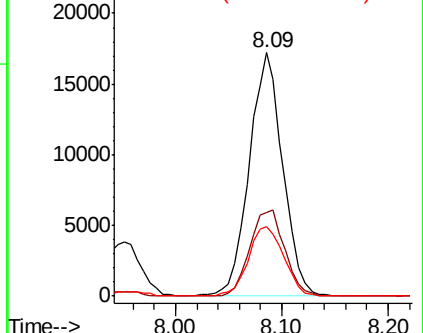
77 30.2 24.9 37.3

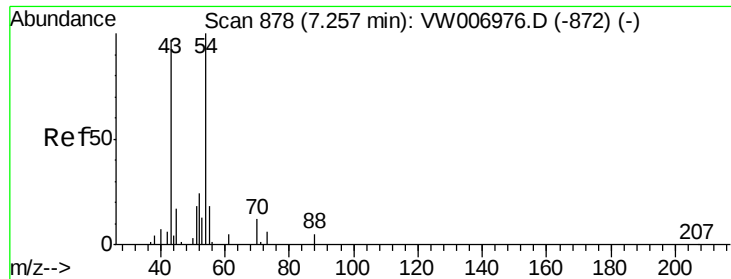


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

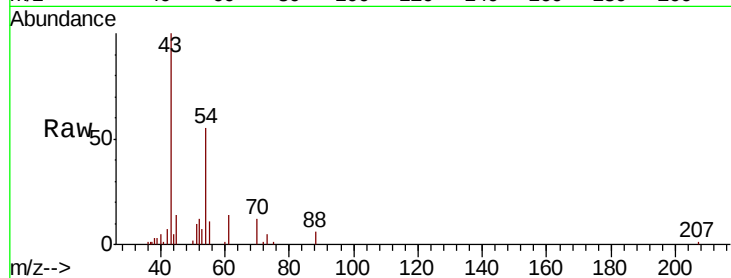




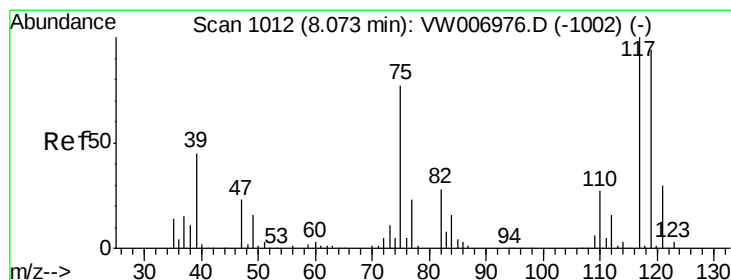
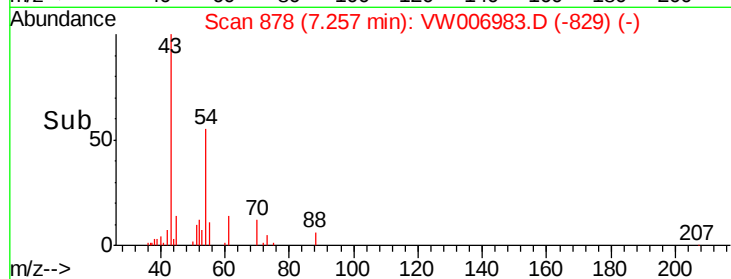
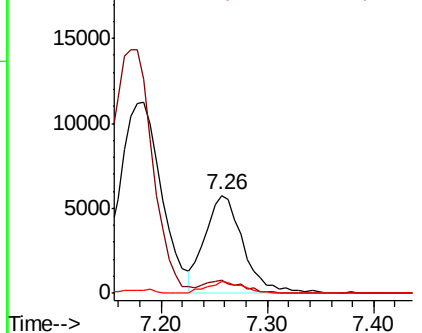
#37
Ethyl Acetate
Concen: 22.266 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 14353
Ion Ratio Lower Upper
43 100
61 12.7 10.4 15.6
70 11.0 8.8 13.2

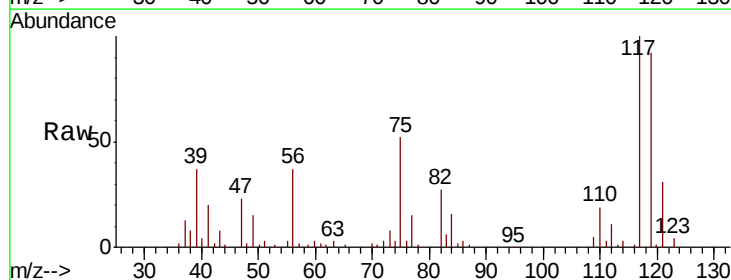


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

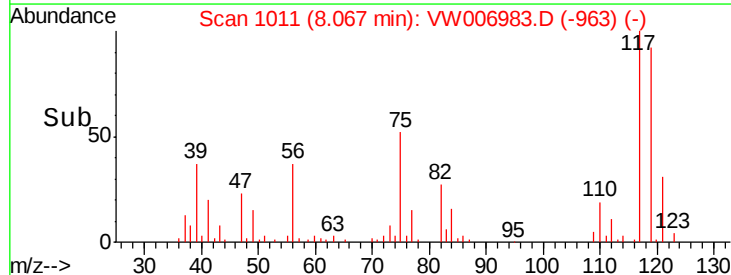
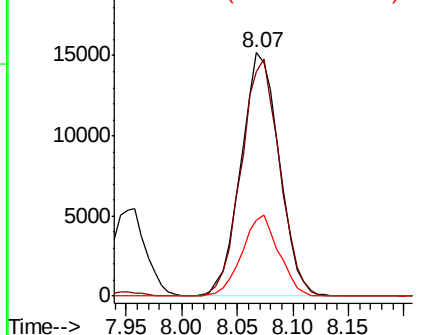


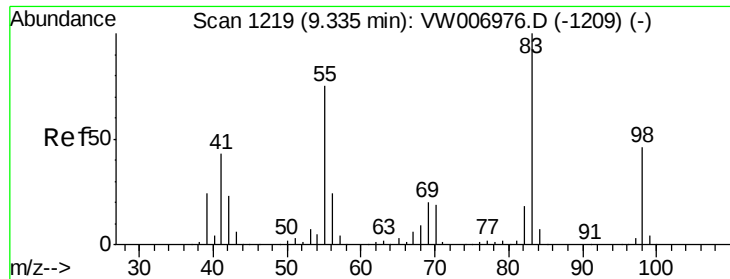
#38
Carbon Tetrachloride
Concen: 21.359 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 117 Resp: 36385
Ion Ratio Lower Upper
117 100
119 92.2 74.9 112.3
121 31.4 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

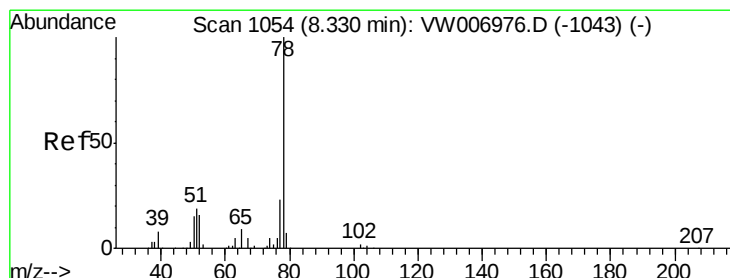
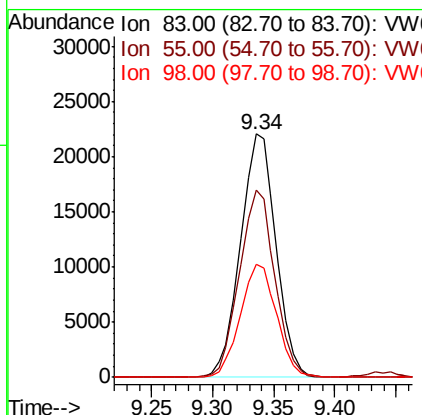
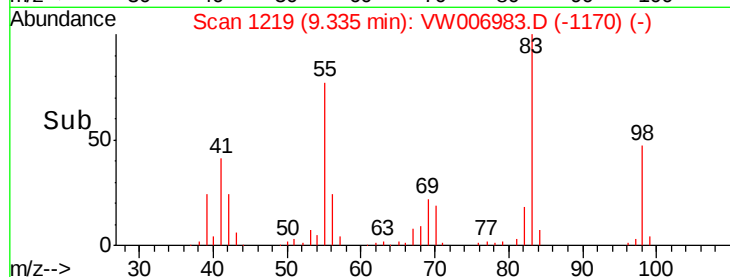
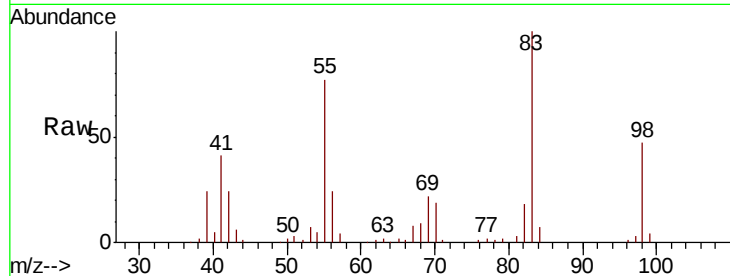




#39
Methvlcvclohexane
Concen: 19.955 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

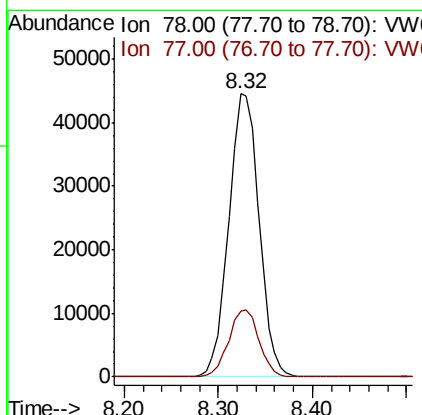
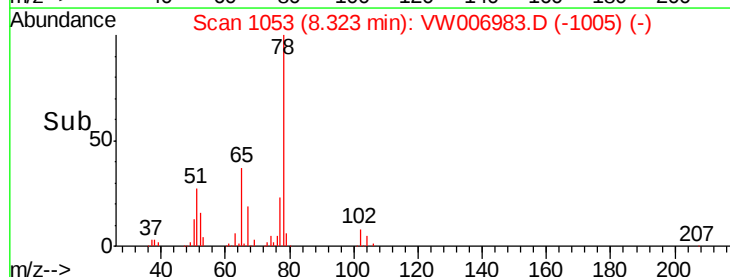
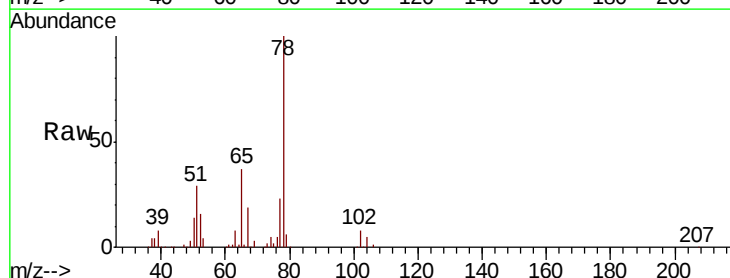
Instrument :
MSVOA_W
ClientSampled :

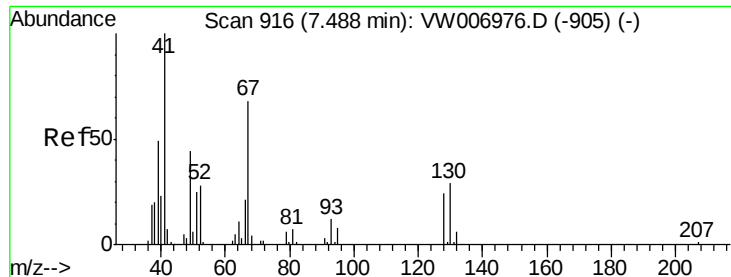
Tot Ion: 83 Resp: 44422
Ion Ratio Lower Upper
83 100
55 76.8 59.6 89.4
98 46.6 37.1 55.7



#40
Benzene
Concen: 20.752 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 78 Resp: 99649
Ion Ratio Lower Upper
78 100
77 23.3 18.6 28.0

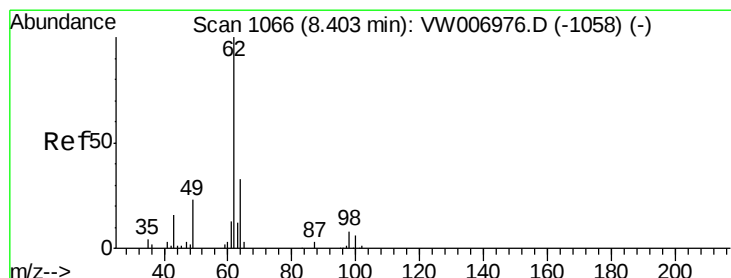
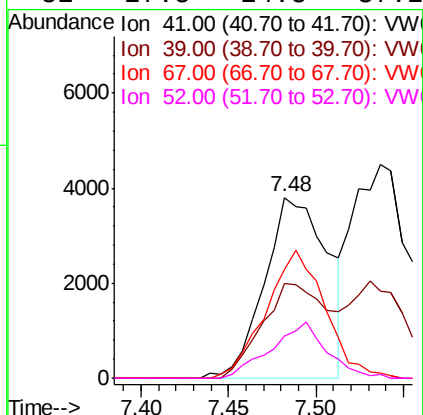
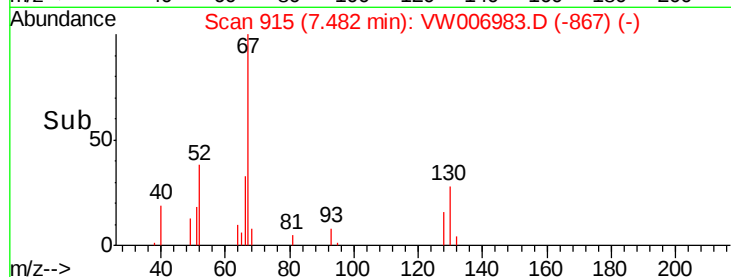
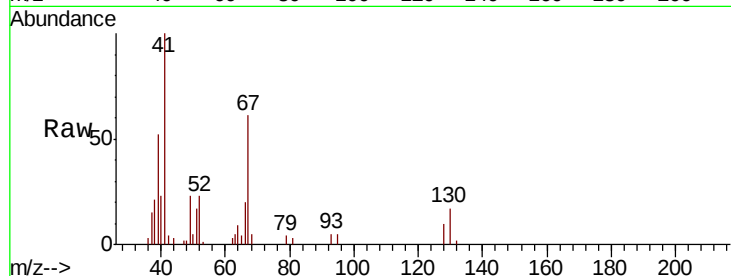




#41
Methacrylonitrile
Concen: 23.890 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

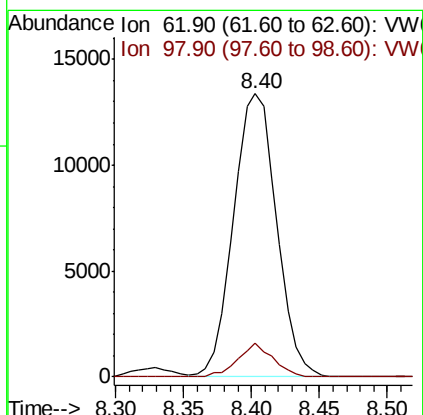
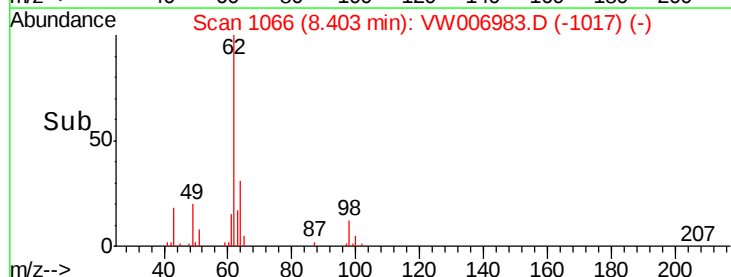
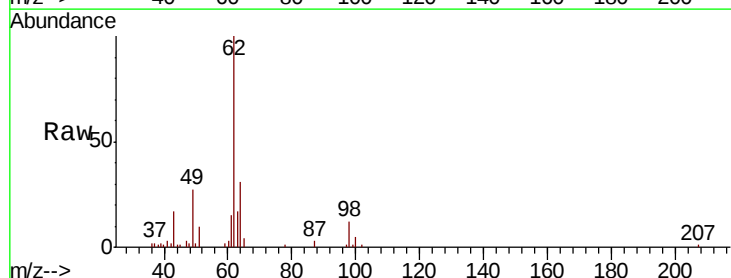
Instrument :
MSVOA_W
ClientSampleId :

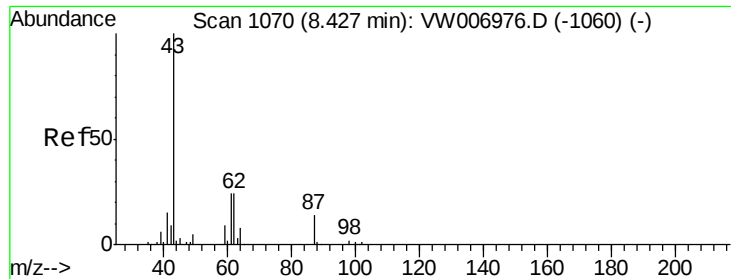
Tot Ion:	41	Resp:	9564
Ion	Ratio	Lower	Upper
41	100		
39	54.8	48.6	73.0
67	66.6	59.8	89.8
52	27.5	24.8	37.2



#42
1,2-Dichloroethane
Concen: 21.243 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:	62	Resp:	29615
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 21.837 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

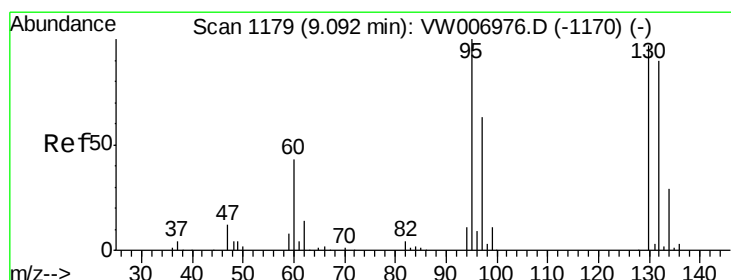
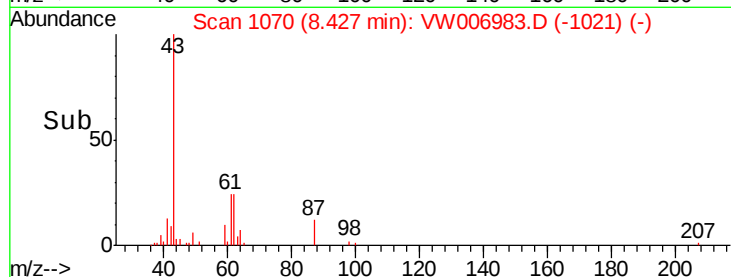
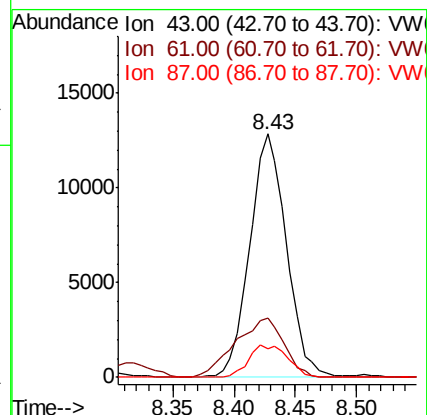
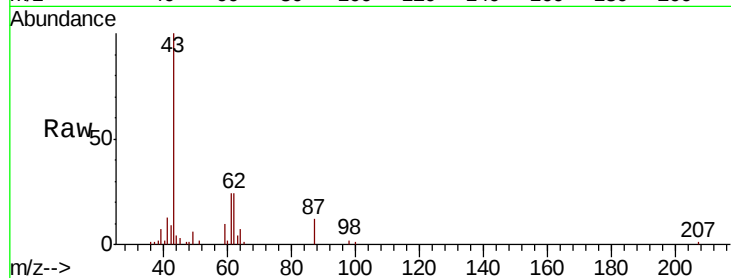
Tot Ion: 43 Resp: 26826

Ion Ratio Lower Upper

43 100

61 32.1 26.1 39.1

87 14.0 11.2 16.8



#44

Trichloroethene

Concen: 21.274 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006983.D

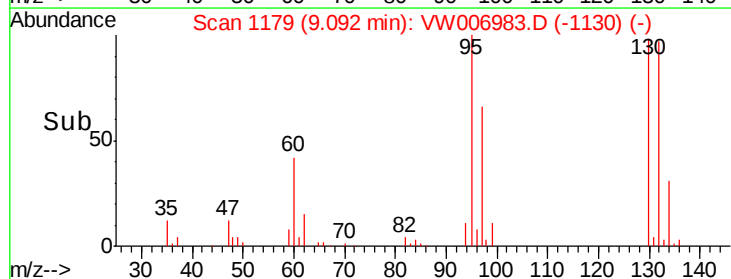
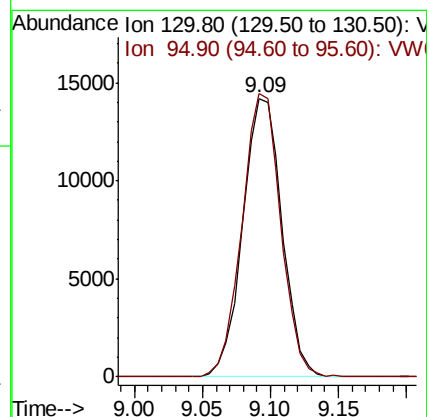
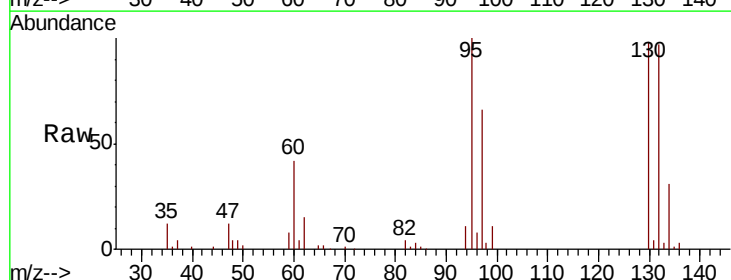
Acq: 20 Nov 2018 19:15

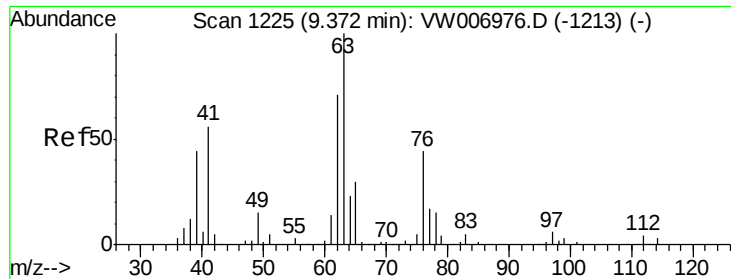
Tgt Ion: 130 Resp: 28637

Ion Ratio Lower Upper

130 100

95 101.6 0.0 206.4

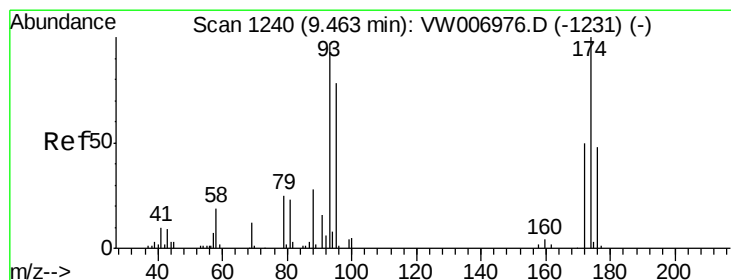
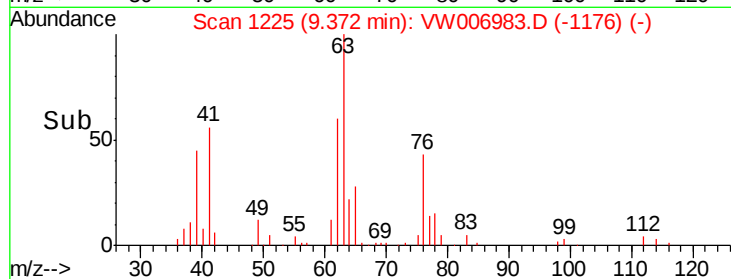
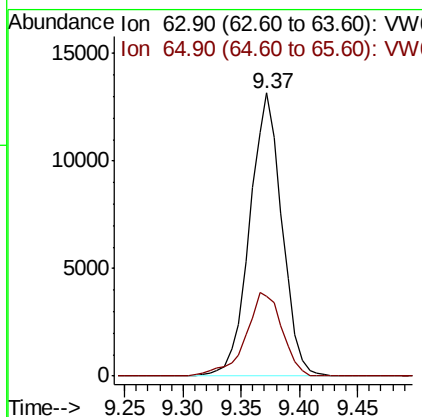
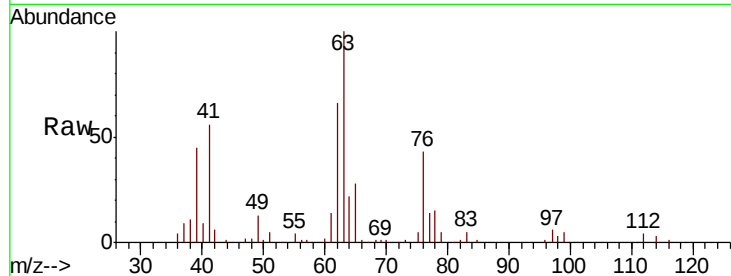




#45
 1,2-Dichloropropane
 Concen: 21.497 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

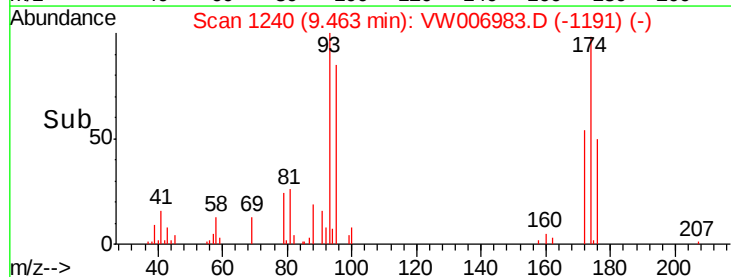
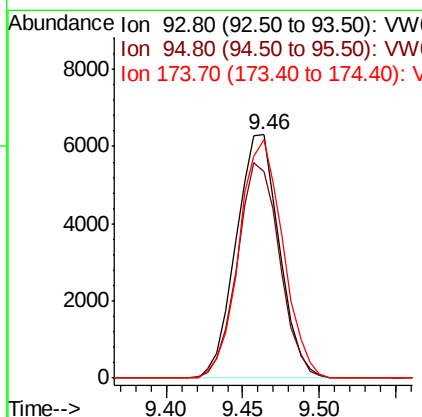
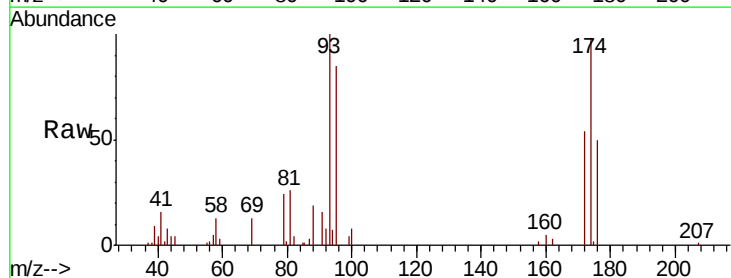
Instrument :
 MSVOA_W
 ClientSampled :

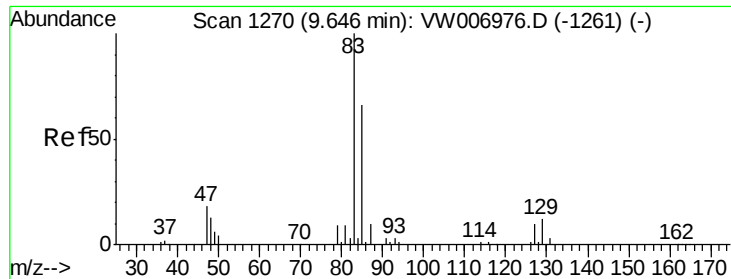
Tot Ion: 63 Resp: 25446
 Ion Ratio Lower Upper
 63 100
 65 28.3 24.4 36.6



#46
 Dibromomethane
 Concen: 20.897 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion: 93 Resp: 12387
 Ion Ratio Lower Upper
 93 100
 95 86.7 66.1 99.1
 174 98.8 79.7 119.5





#47

Bromodichloromethane

Concen: 21.999 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

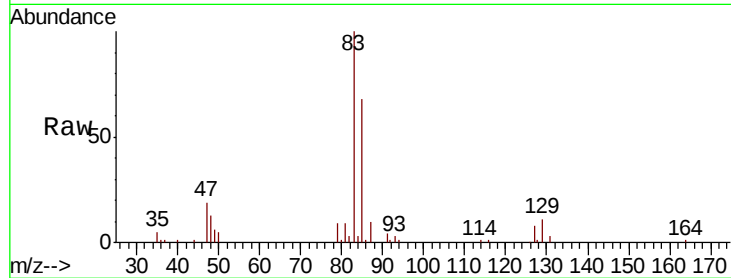
Tot Ion: 83 Resp: 34358

Ion Ratio Lower Upper

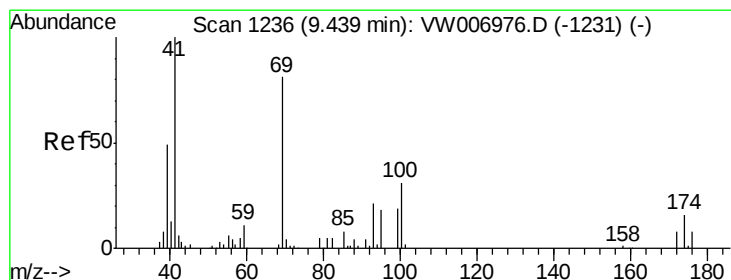
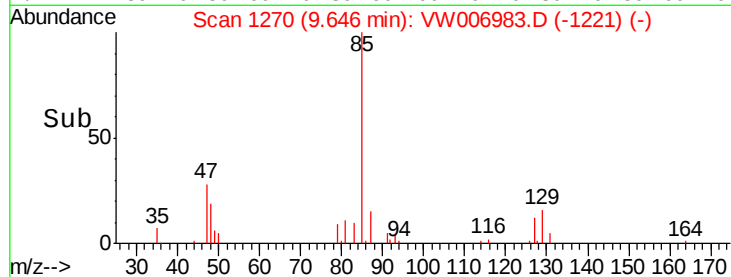
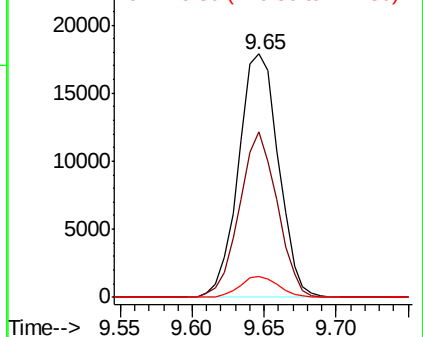
83 100

85 67.7 52.9 79.3

127 8.4 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): V



#48

Methyl methacrylate

Concen: 20.472 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

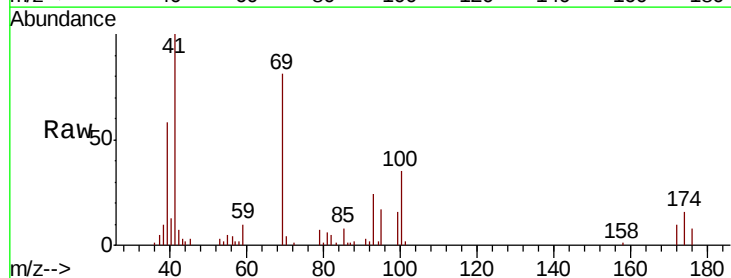
Tgt Ion: 41 Resp: 12126

Ion Ratio Lower Upper

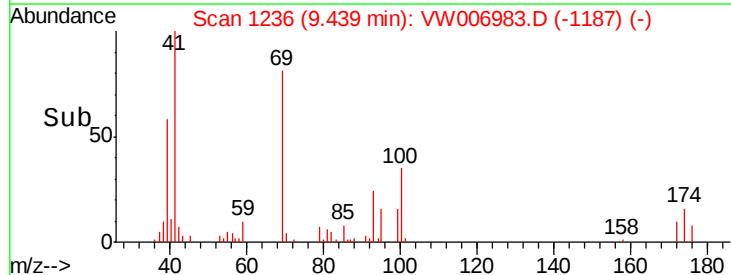
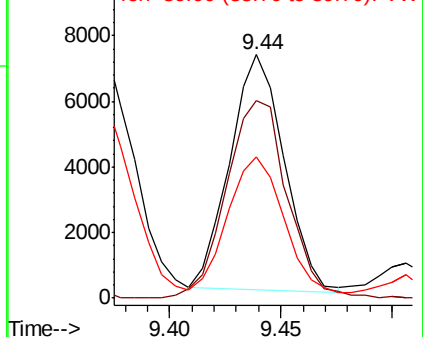
41 100

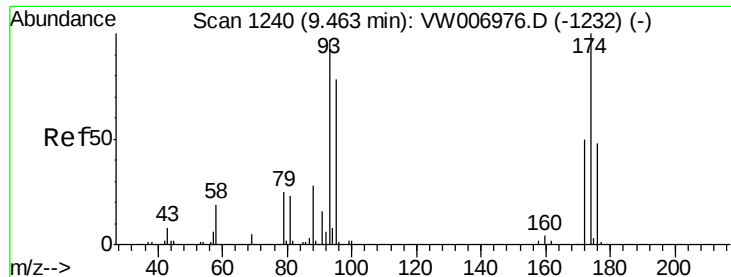
69 94.5 71.4 107.0

39 59.6 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: 395.777 ug/l

RT: 9.47 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampled :

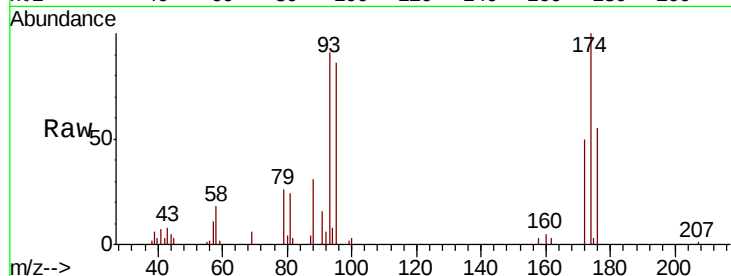
Tot Ion: 88 Resp: 3487

Ion Ratio Lower Upper

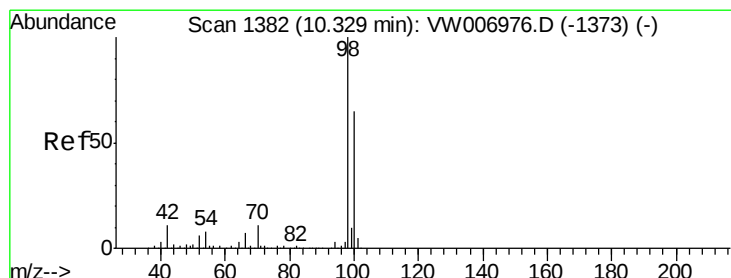
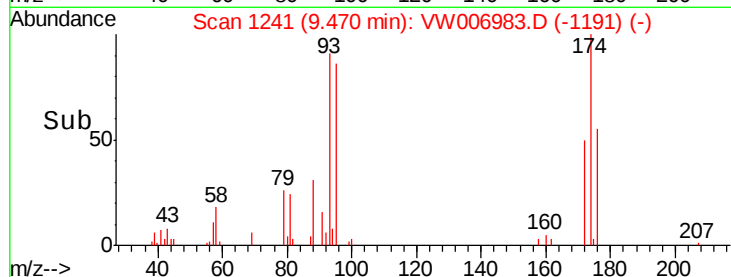
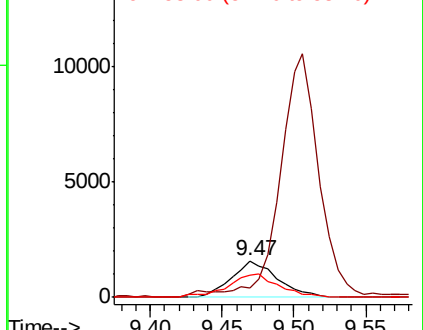
88 100

43 0.0 0.0 0.0

58 70.9 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: 51.409 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW006983.D

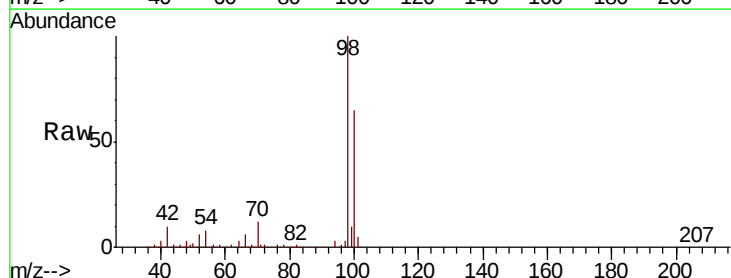
Acq: 20 Nov 2018 19:15

Tgt Ion: 98 Resp: 233376

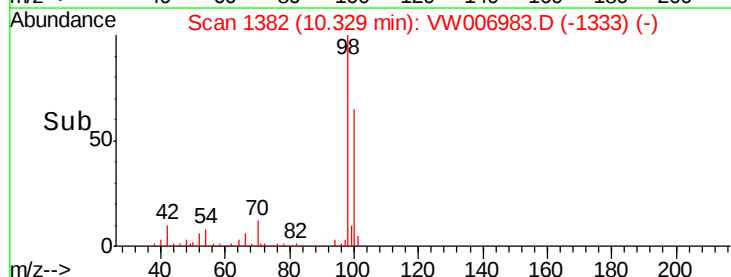
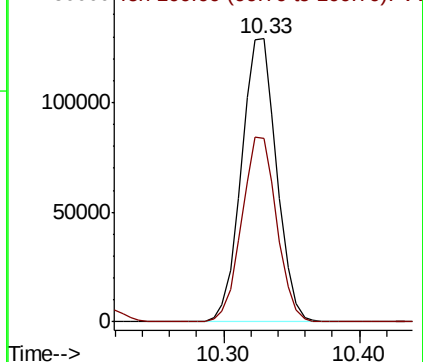
Ion Ratio Lower Upper

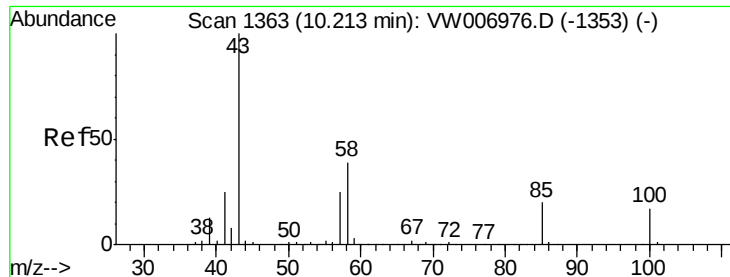
98 100

100 64.9 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: 107.462 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

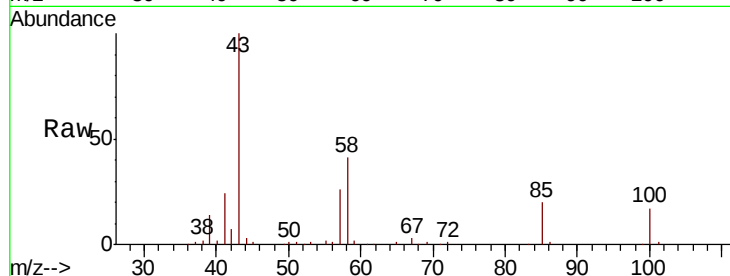
ClientSampled :

Tot Ion: 43 Resp: 66713

Ion Ratio Lower Upper

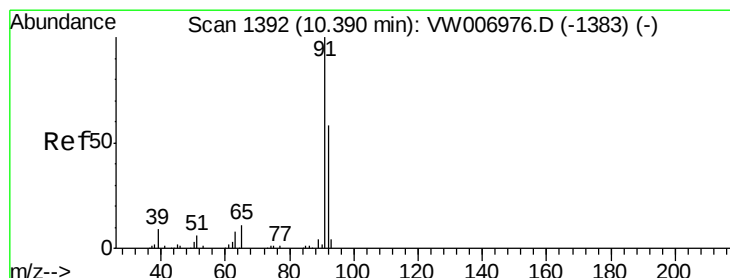
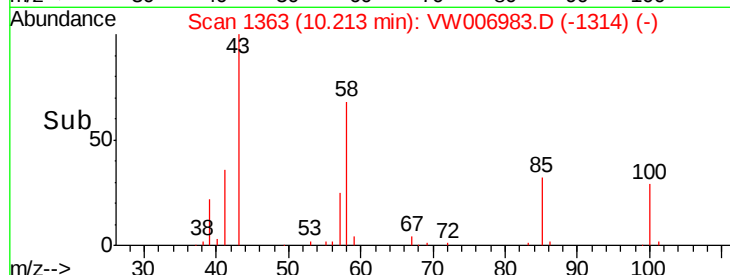
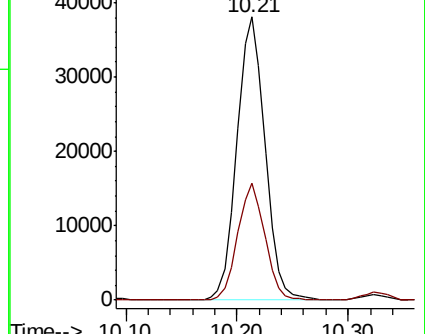
43 100

58 39.8 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.653 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006983.D

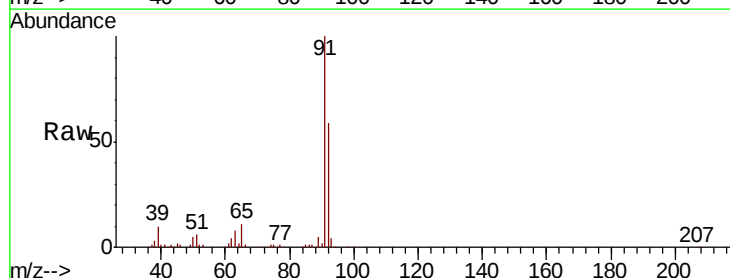
Acq: 20 Nov 2018 19:15

Tgt Ion: 92 Resp: 67492

Ion Ratio Lower Upper

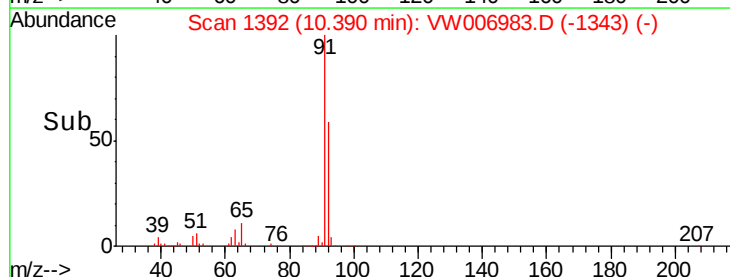
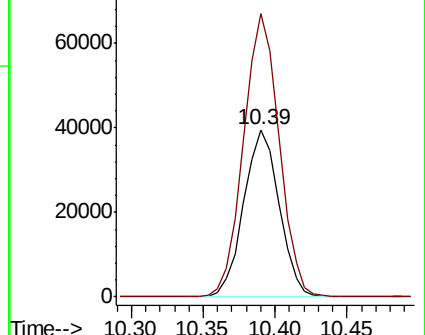
92 100

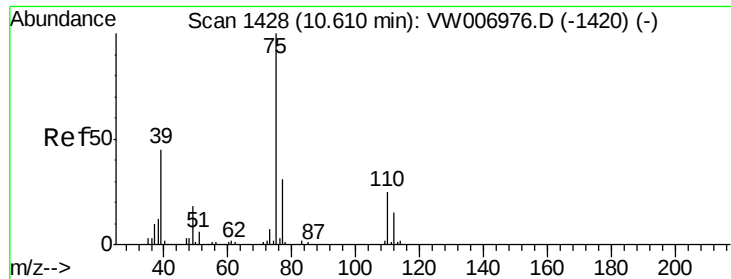
91 170.0 137.3 205.9



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 21.495 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

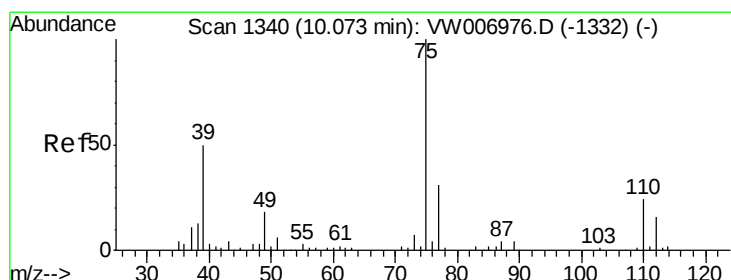
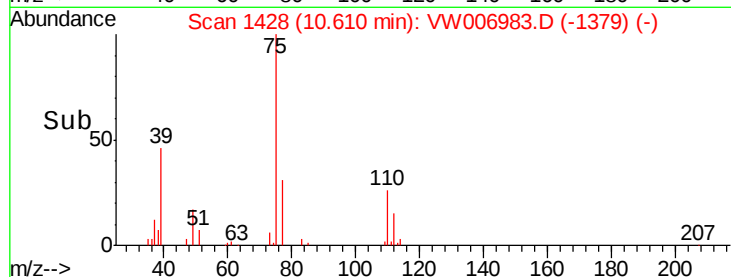
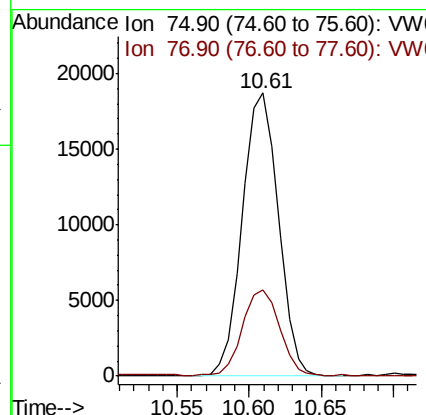
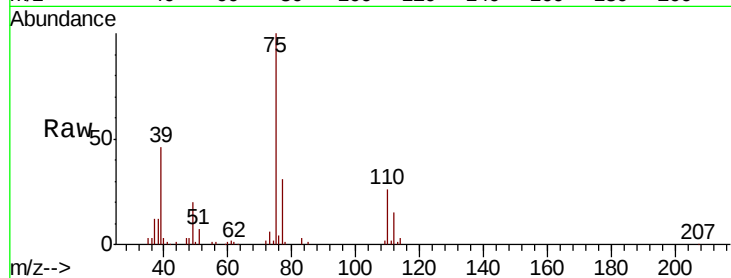
ClientSampled :

Tot Ion: 75 Resp: 32520

Ion Ratio Lower Upper

75 100

77 30.2 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 21.411 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

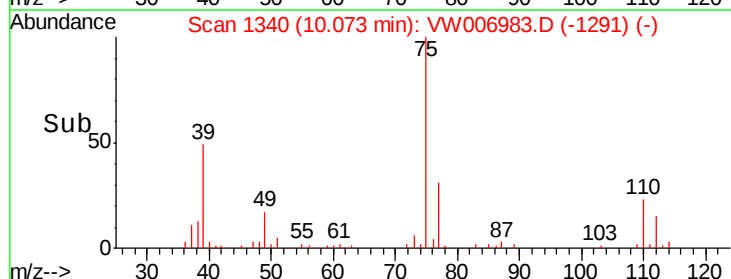
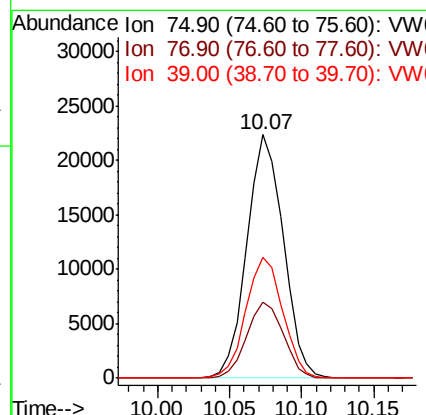
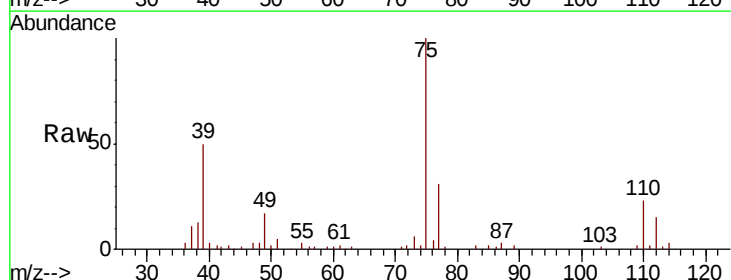
Tgt Ion: 75 Resp: 39135

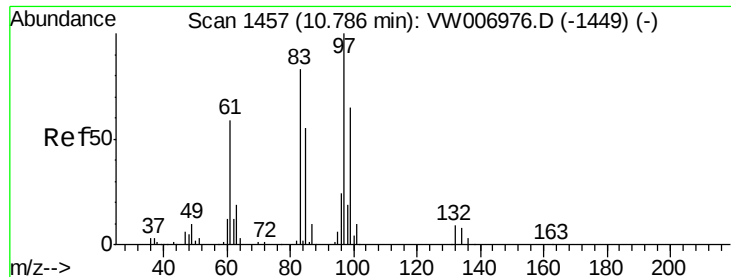
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 49.8 39.9 59.9

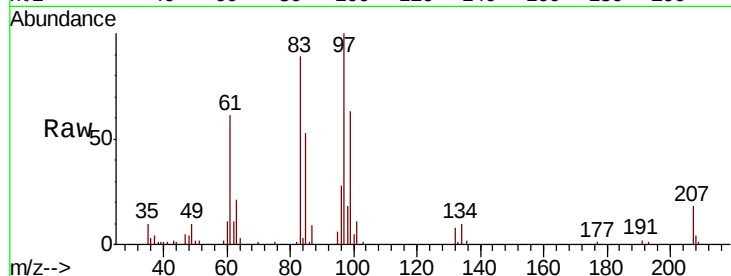




#55
 1,1,2-Trichloroethane
 Concen: 21.586 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	18826
Ion	Ratio	Lower	Upper
97	100		
83	88.6	66.4	99.6
85	52.8	44.1	66.1
99	63.2	51.7	77.5



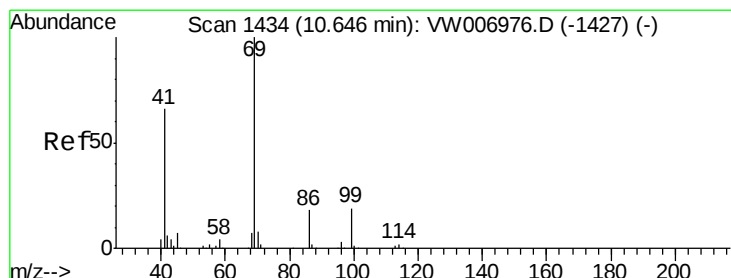
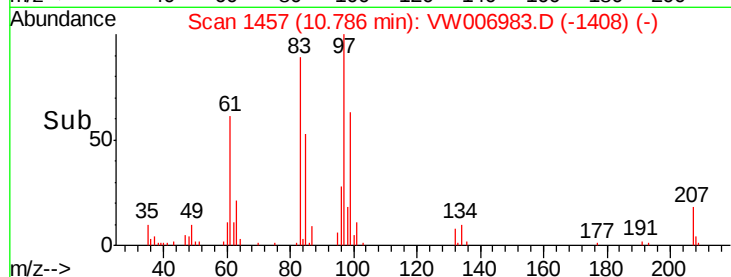
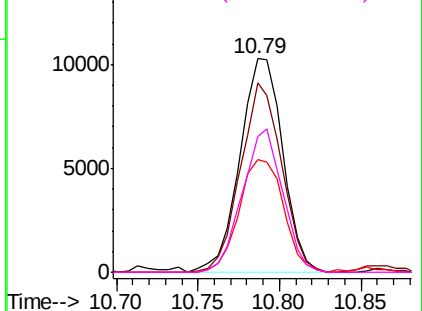
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

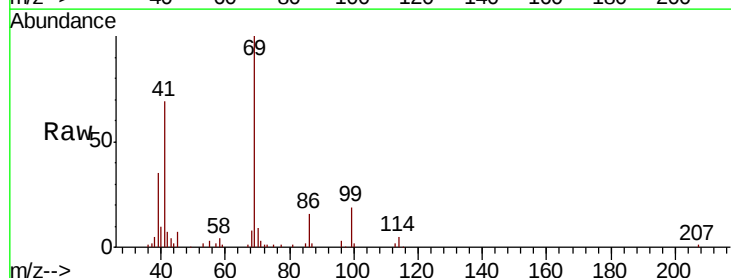
Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56
 Ethyl methacrylate
 Concen: 21.287 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion:	69	Resp:	21550
Ion	Ratio	Lower	Upper
69	100		
41	68.2	53.4	80.0
39	30.3	28.2	42.4

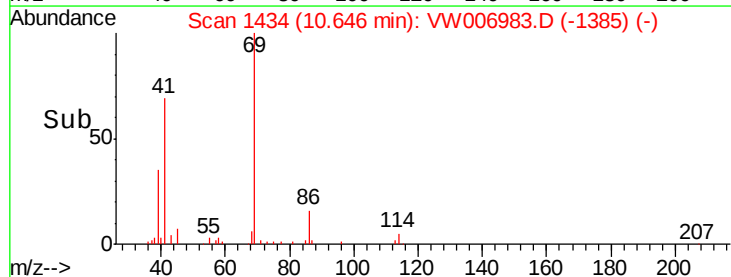
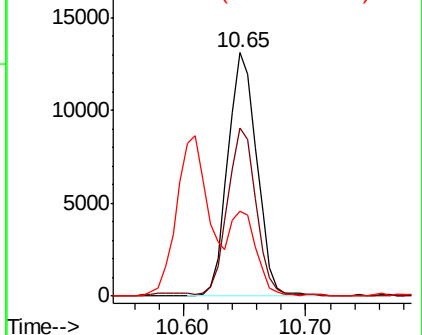


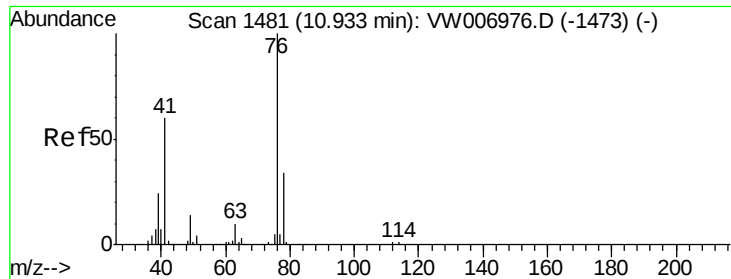
Abundance

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

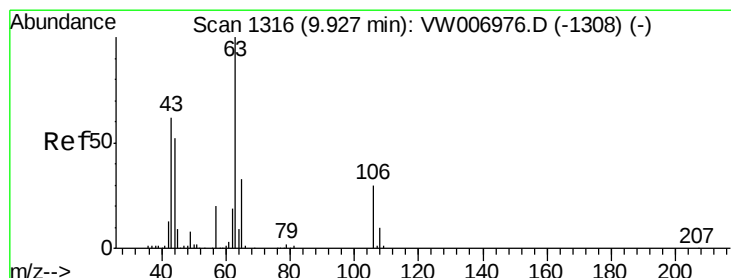
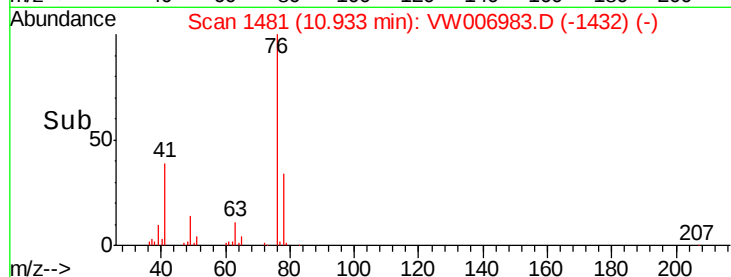
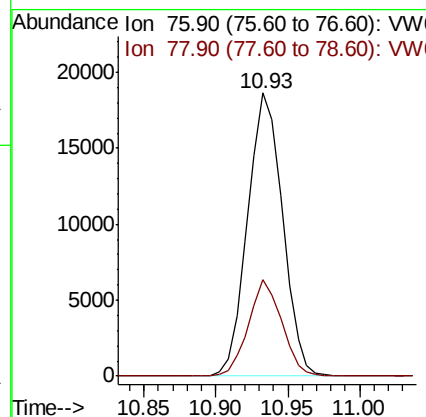
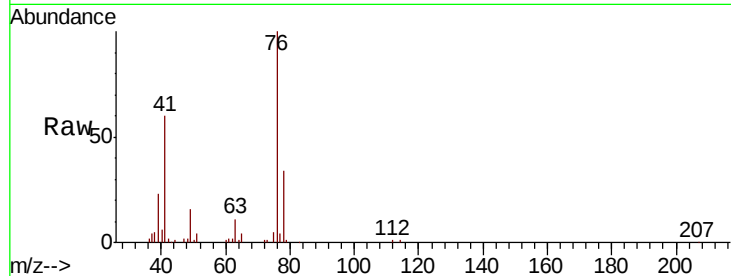




#57
 1,3-Dichloropropane
 Concen: 21.437 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

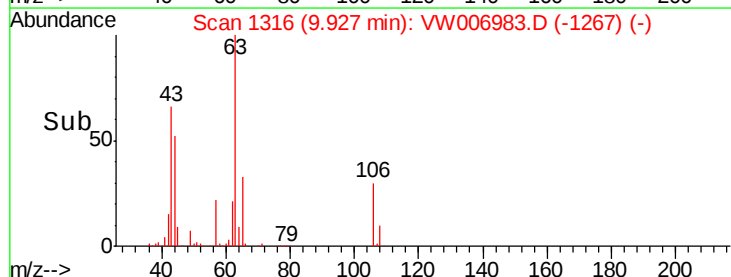
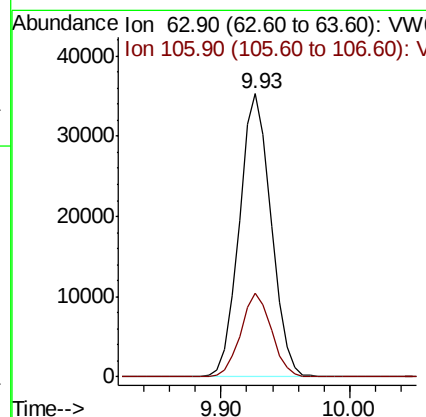
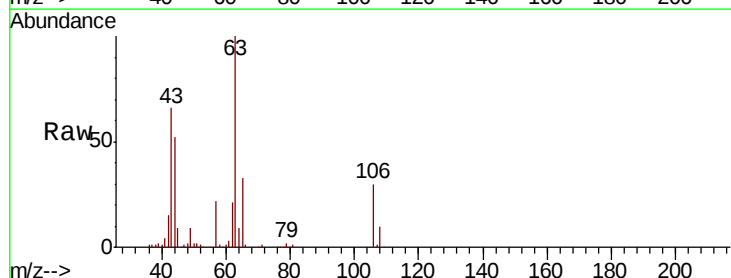
Instrument :
 MSVOA_W
 ClientSampled :

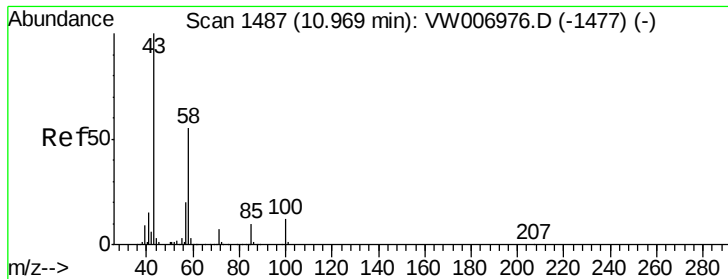
Tot Ion: 76 Resp: 31331
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.898 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion: 63 Resp: 60253
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.5 35.3

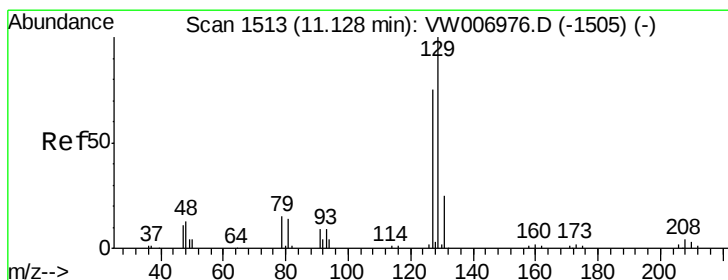
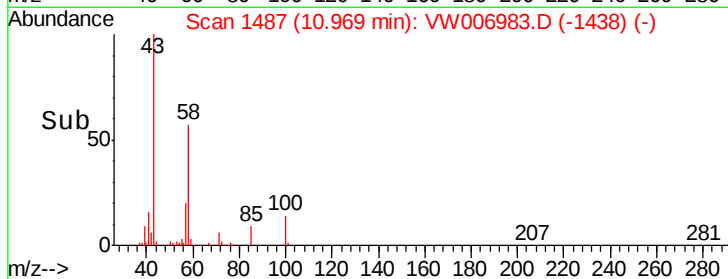
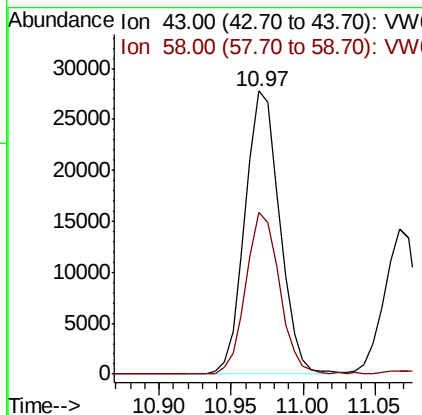
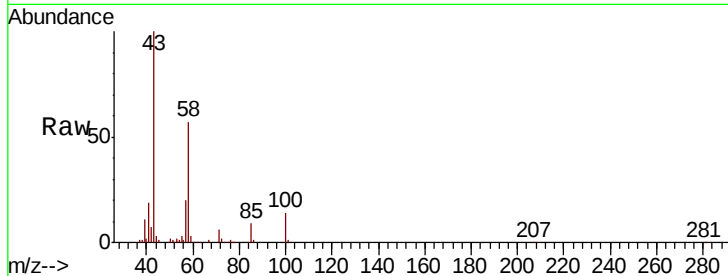




#59
2-Hexanone
Concen: 109.047 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

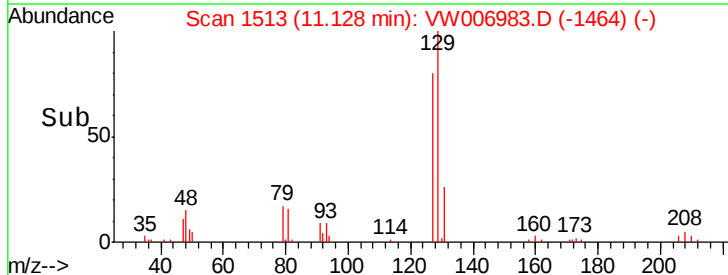
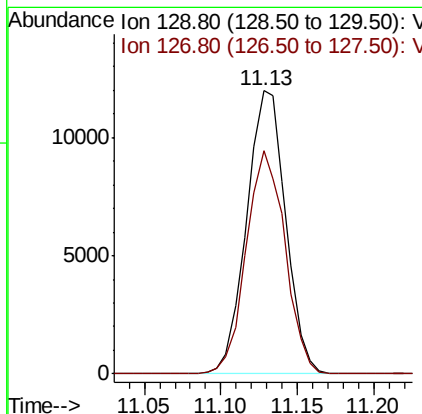
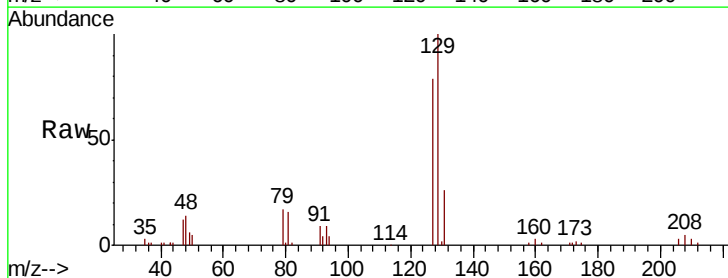
Instrument :
MSVOA_W
ClientSampleId :

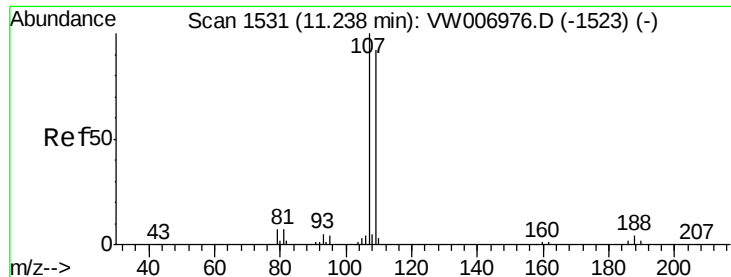
Tot Ion: 43 Resp: 46358
Ion Ratio Lower Upper
43 100
58 55.6 27.3 81.8



#60
Dibromochloromethane
Concen: 21.451 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 129 Resp: 21317
Ion Ratio Lower Upper
129 100
127 78.1 38.3 114.8

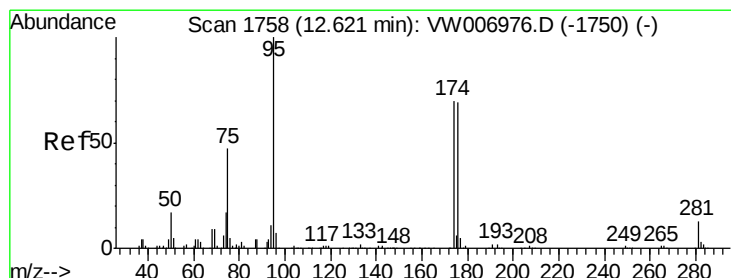
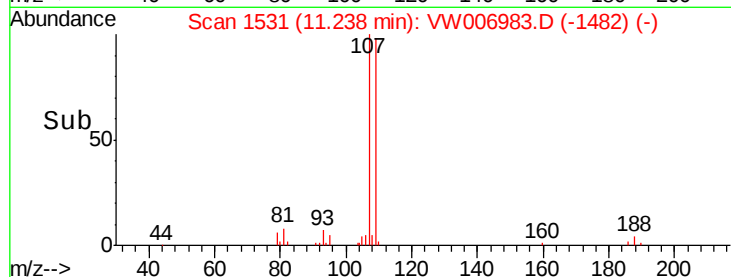
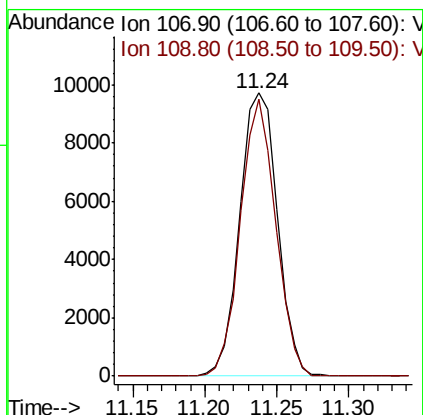
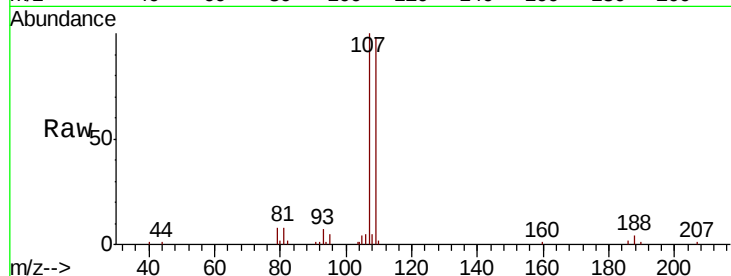




#61
 1,2-Dibromoethane
 Concen: 22.078 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

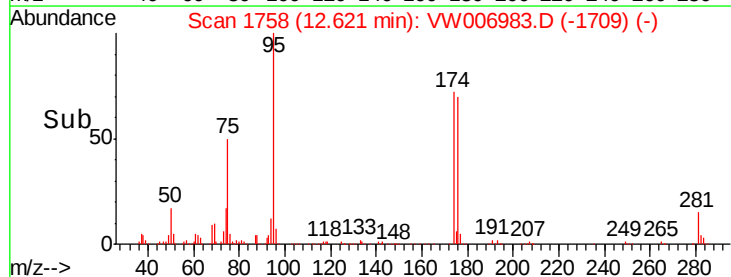
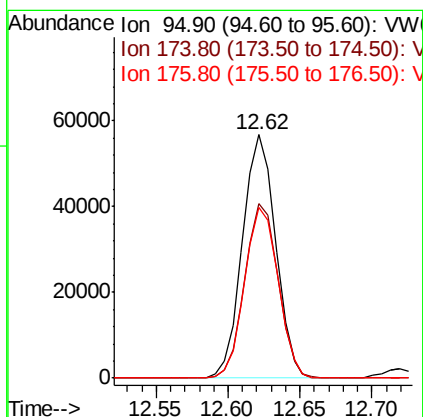
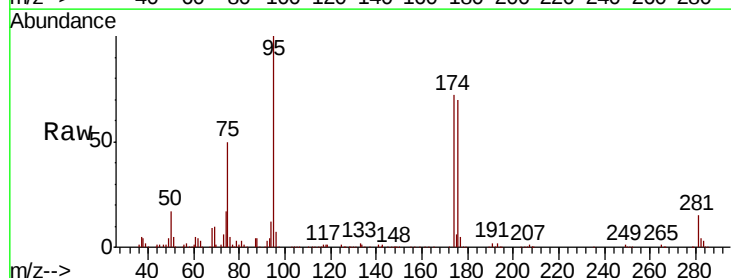
Instrument :
 MSVOA_W
 ClientSampled :

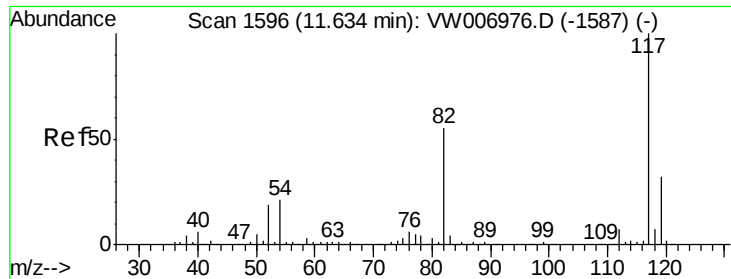
Tot Ion: 107 Resp: 17614
 Ion Ratio Lower Upper
 107 100
 109 91.5 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 50.705 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion: 95 Resp: 90580
 Ion Ratio Lower Upper
 95 100
 174 72.3 0.0 143.6
 176 70.9 0.0 140.4

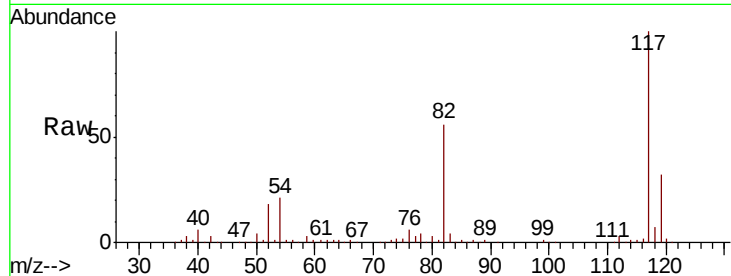




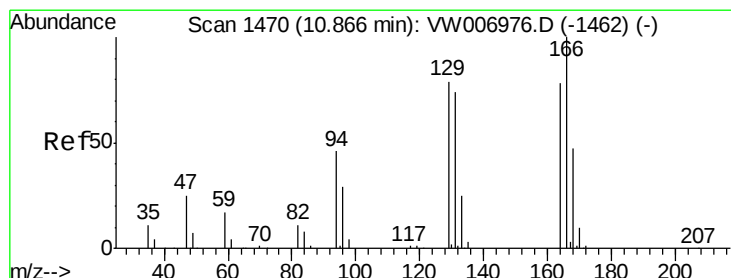
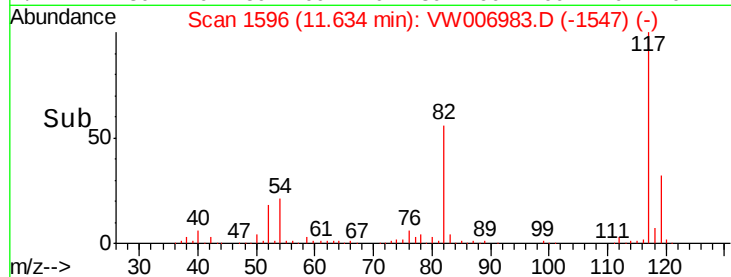
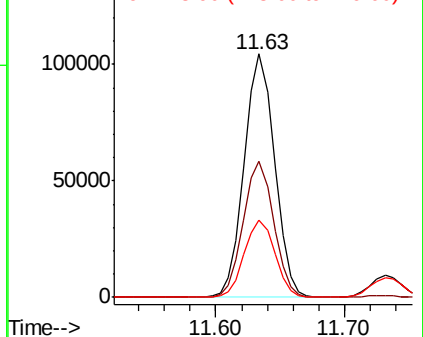
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 170422
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 31.6 25.9 38.9

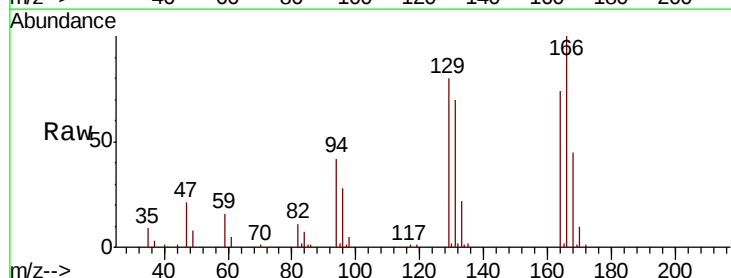


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

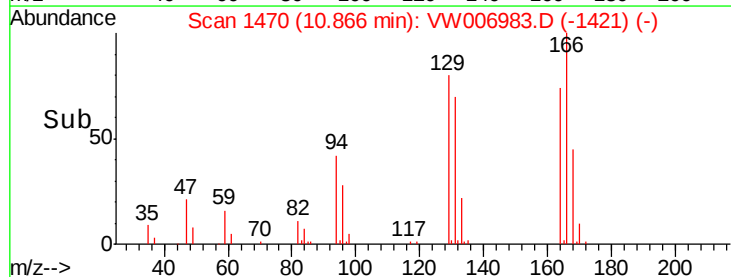
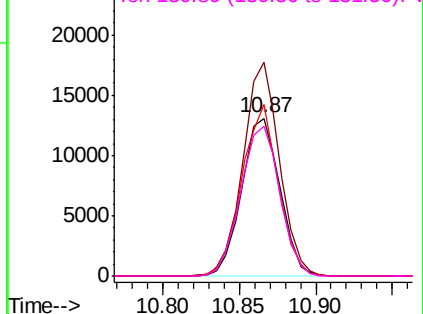


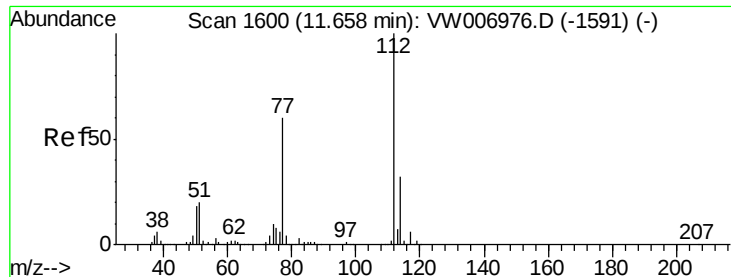
#64
Tetrachloroethene
Concen: 20.737 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:164 Resp: 22735
Ion Ratio Lower Upper
164 100
166 135.5 102.1 153.1
129 108.7 80.4 120.6
131 94.9 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

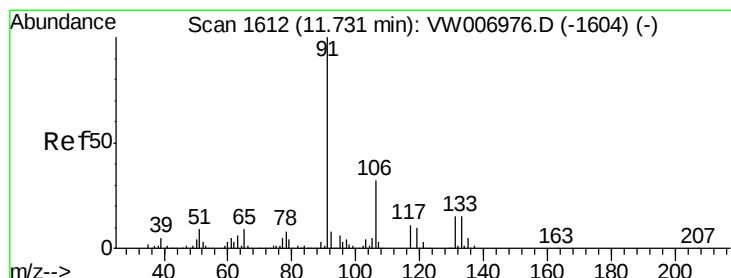
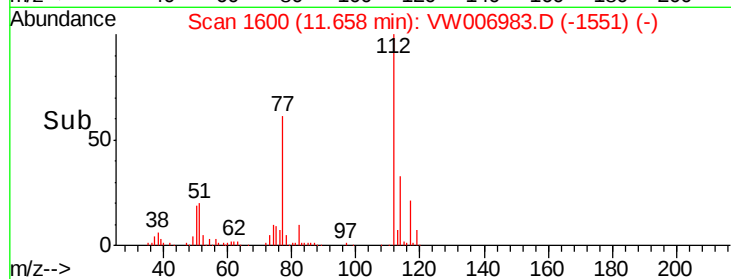
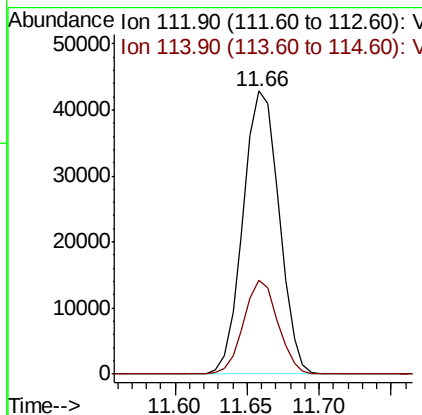
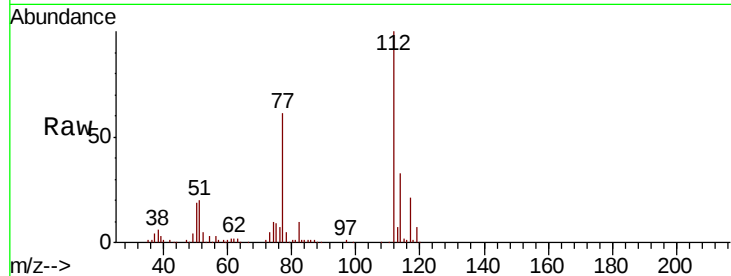




#65
Chlorobenzene
Concen: 20.905 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

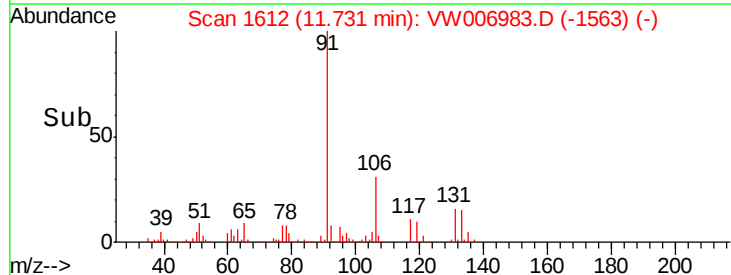
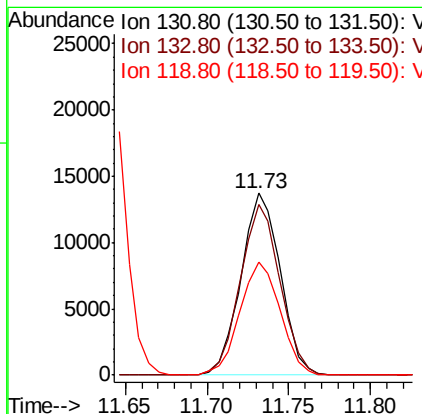
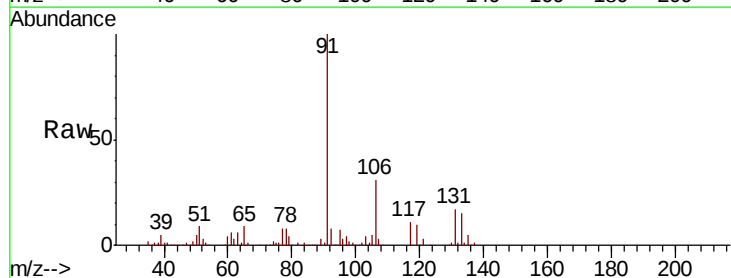
Instrument :
MSVOA_W
ClientSampleId :

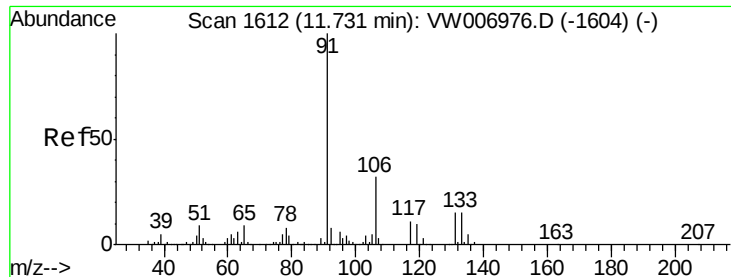
Tot Ion:112 Resp: 74357
Ion Ratio Lower Upper
112 100
114 33.1 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.322 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:131 Resp: 22943
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 64.0 31.8 95.3

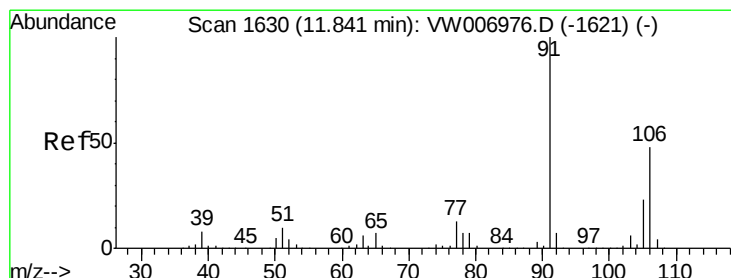
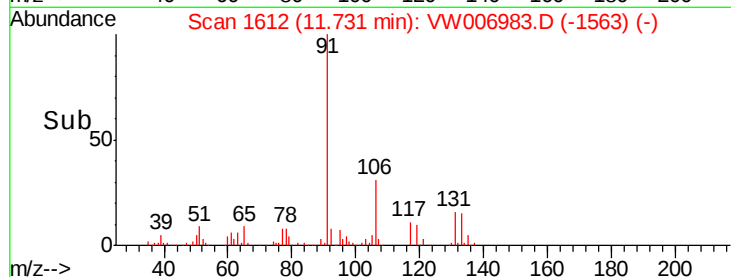
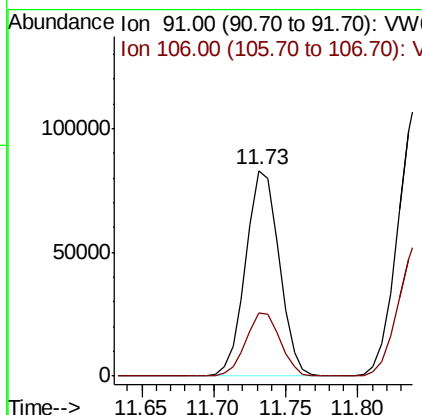
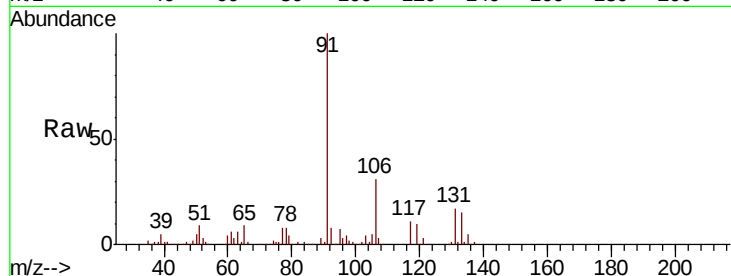




#67
Ethyl Benzene
Concen: 20.513 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

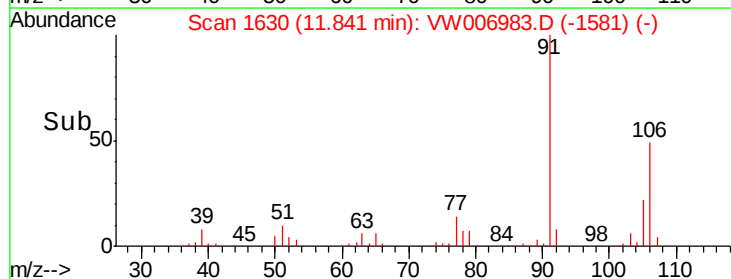
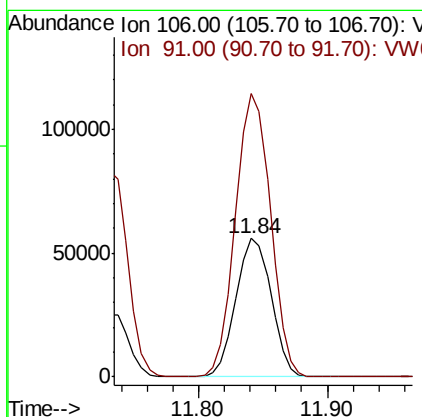
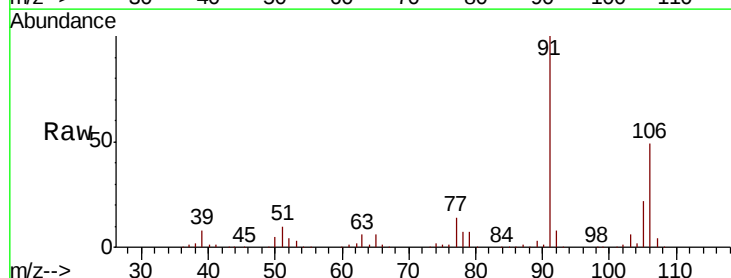
Instrument :
MSVOA_W
ClientSampled :

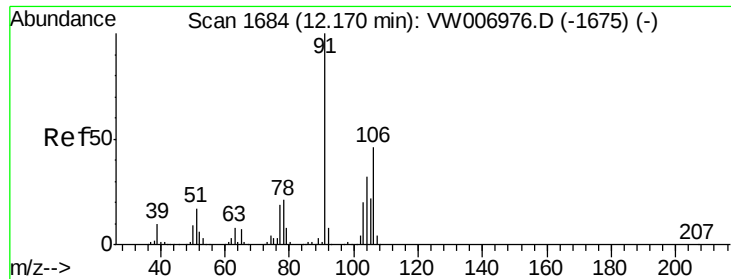
Tot Ion: 91 Resp: 134038
Ion Ratio Lower Upper
91 100
106 30.5 25.4 38.2



#68
m/p-Xylenes
Concen: 41.647 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 106 Resp: 106768
Ion Ratio Lower Upper
106 100
91 203.4 164.8 247.2

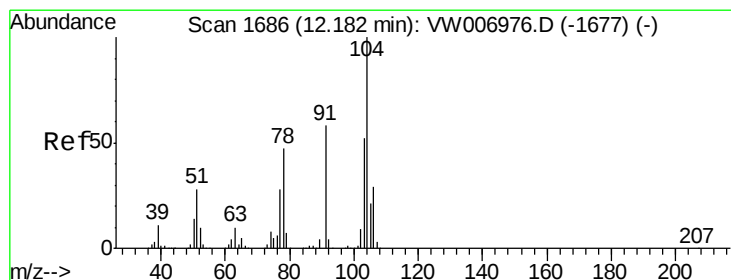
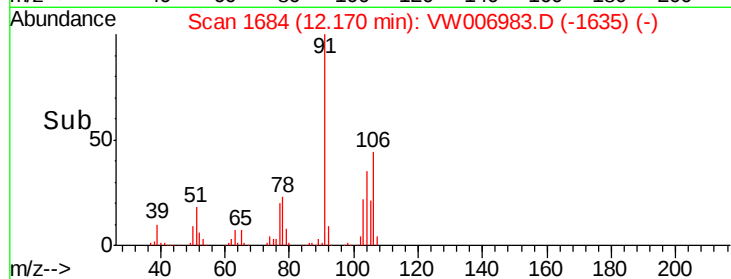
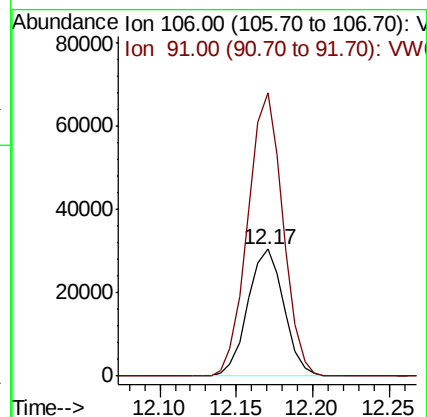
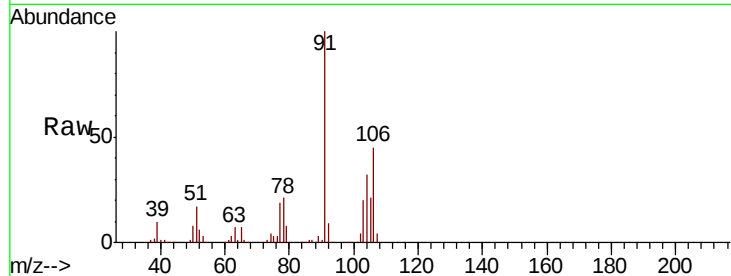




#69
o-Xylene
Concen: 20.739 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

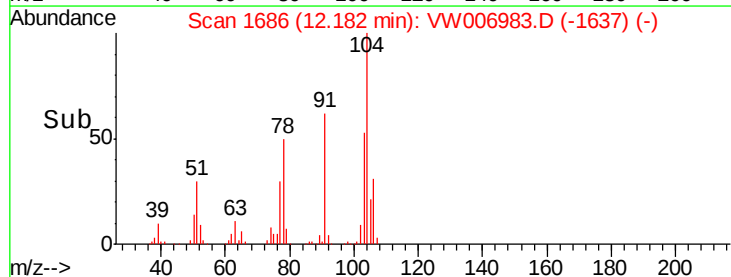
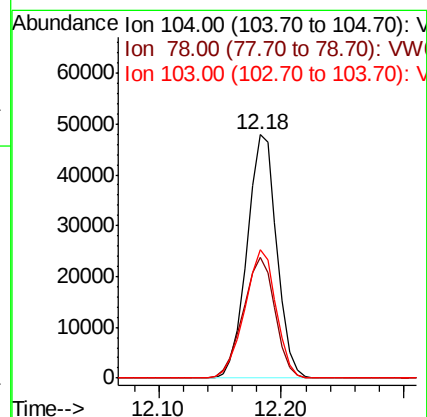
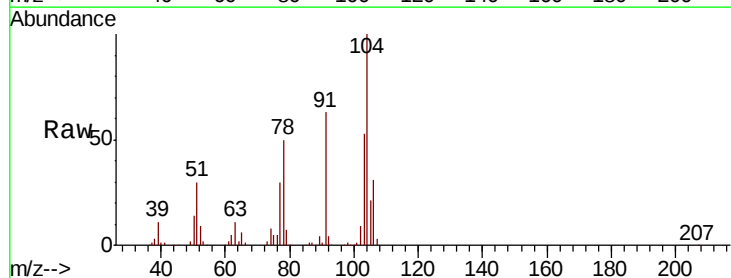
Instrument :
MSVOA_W
ClientSampled :

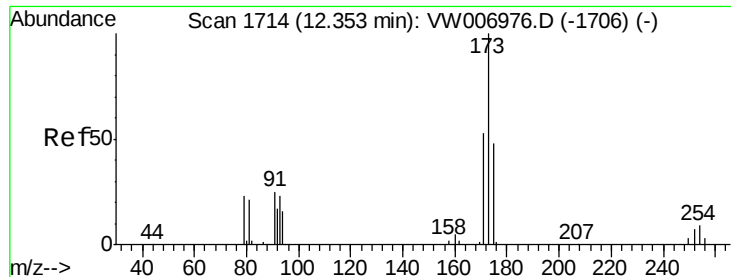
Tot Ion:106 Resp: 50132
Ion Ratio Lower Upper
106 100
91 216.7 107.9 323.8



#70
Styrene
Concen: 21.002 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:104 Resp: 80800
Ion Ratio Lower Upper
104 100
78 52.9 41.8 62.8
103 55.6 44.4 66.6

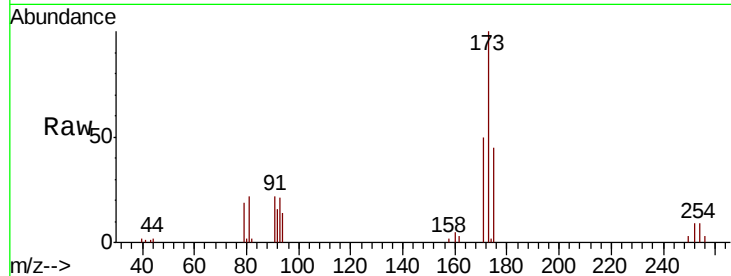




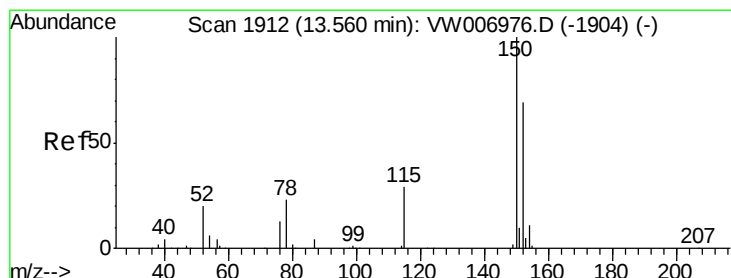
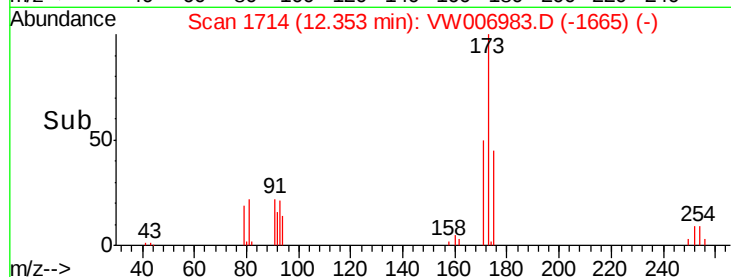
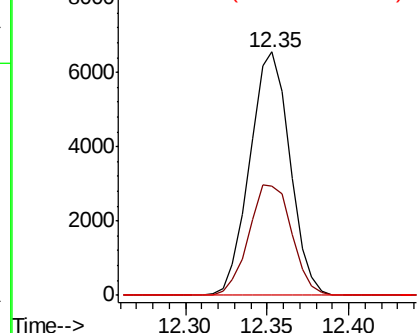
#71
Bromoform
Concen: 22.157 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:173 Resp: 11231
Ion Ratio Lower Upper
173 100
175 48.3 24.0 72.0
254 0.0 0.0 0.0

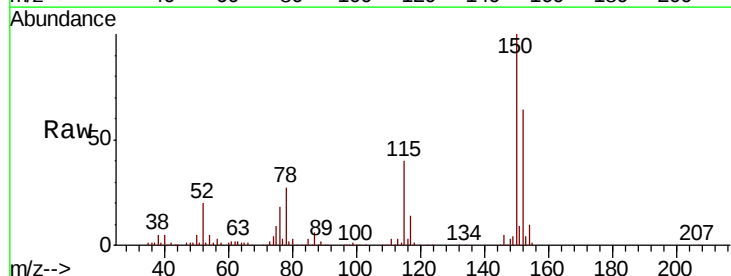


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

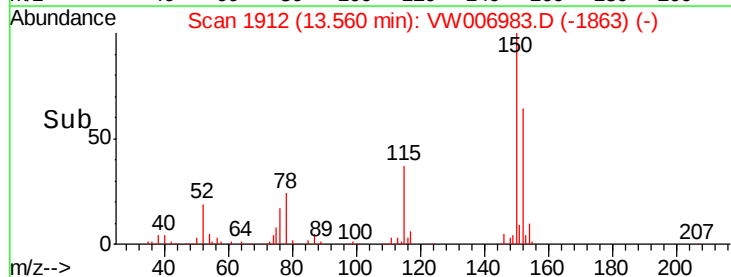
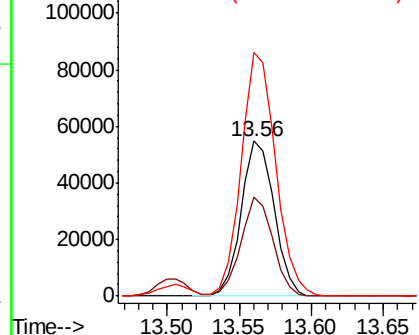


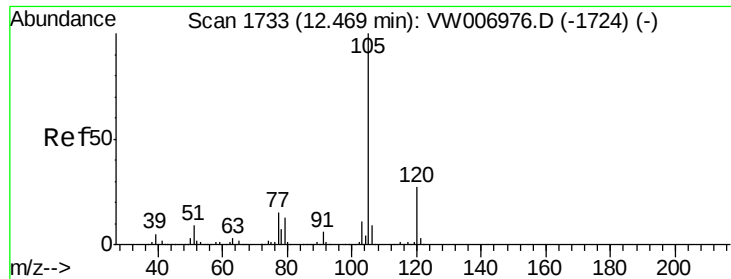
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:152 Resp: 86953
Ion Ratio Lower Upper
152 100
115 61.6 31.4 94.2
150 164.5 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: 20.287 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

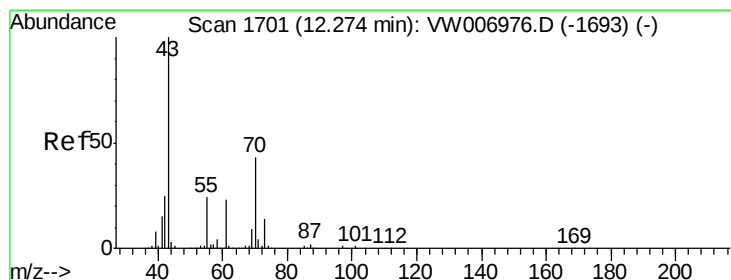
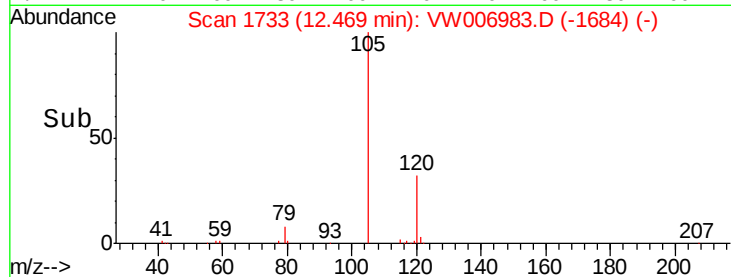
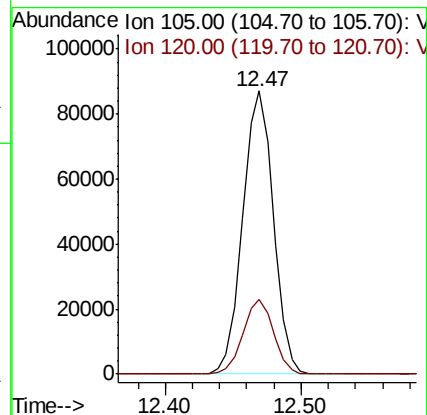
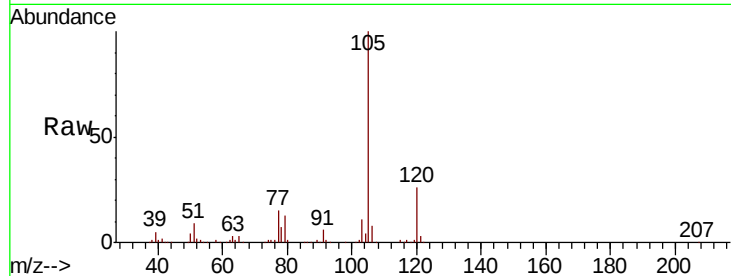
ClientSampleId :

Tot Ion:105 Resp: 137099

Ion Ratio Lower Upper

105 100

120 26.1 13.3 39.8



#74

N-ethyl acetate

Concen: 21.638 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Tgt Ion: 43 Resp: 24508

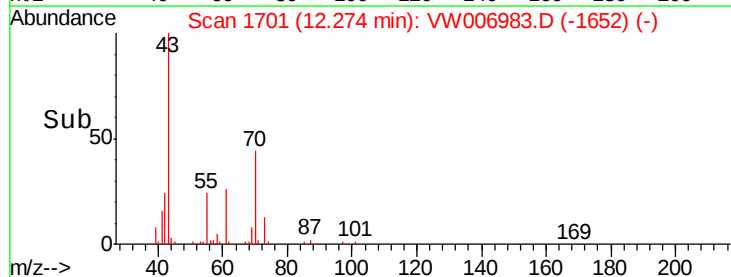
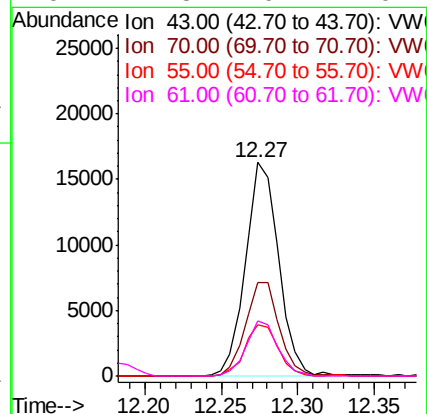
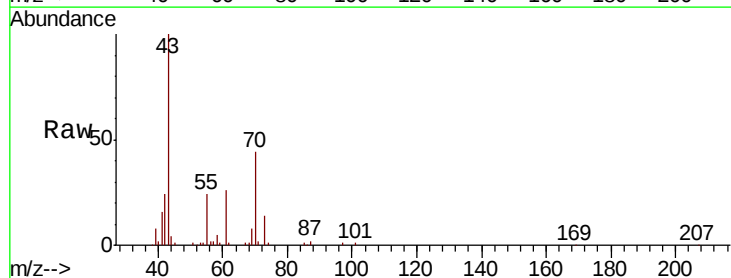
Ion Ratio Lower Upper

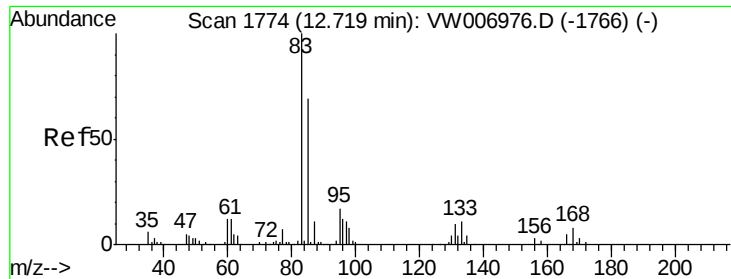
43 100

70 44.6 34.0 51.0

55 23.8 19.4 29.0

61 24.8 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.724 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

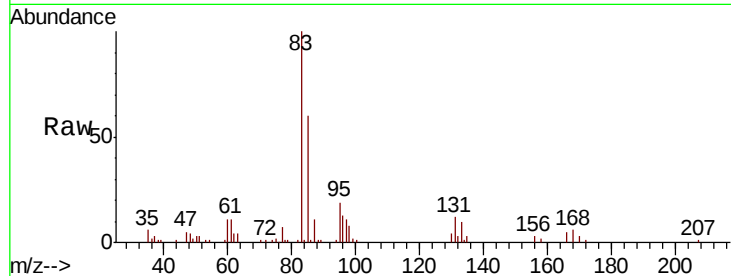
Tot Ion: 83 Resp: 19538

Ion Ratio Lower Upper

83 100

131 10.8 5.7 17.1

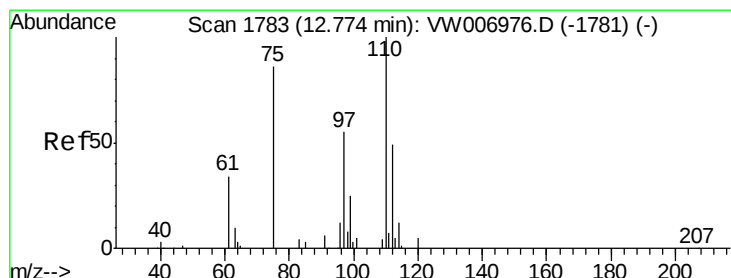
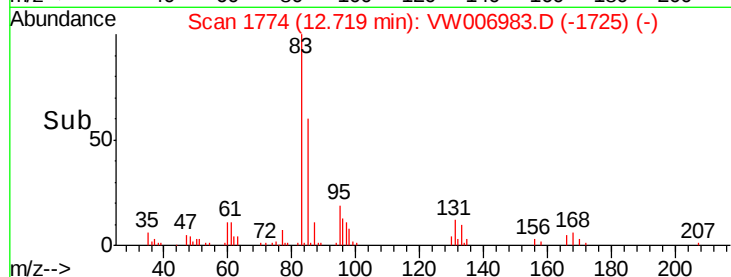
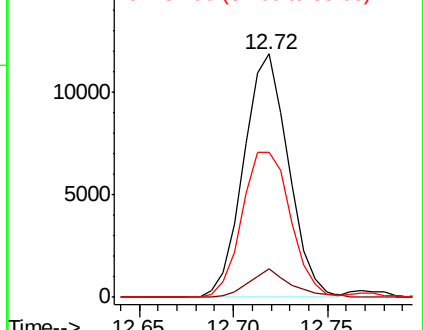
85 64.8 33.1 99.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.320 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW006983.D

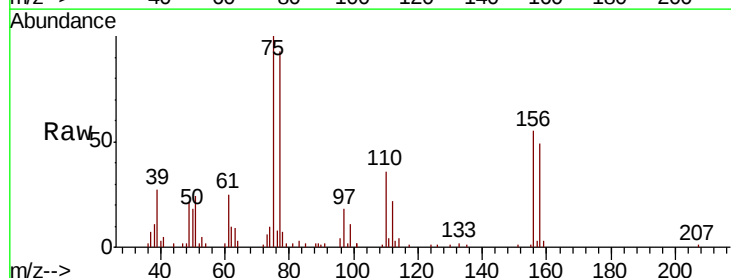
Acq: 20 Nov 2018 19:15

Tgt Ion: 75 Resp: 26183

Ion Ratio Lower Upper

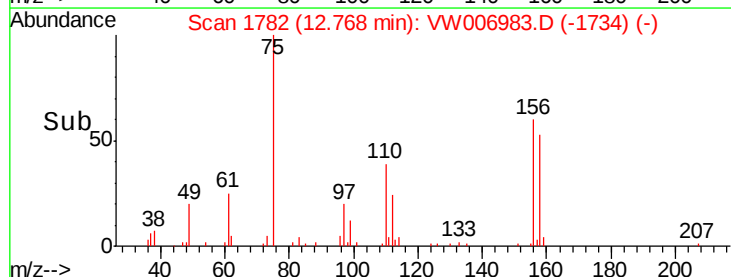
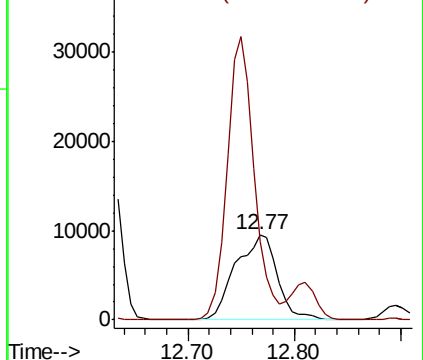
75 100

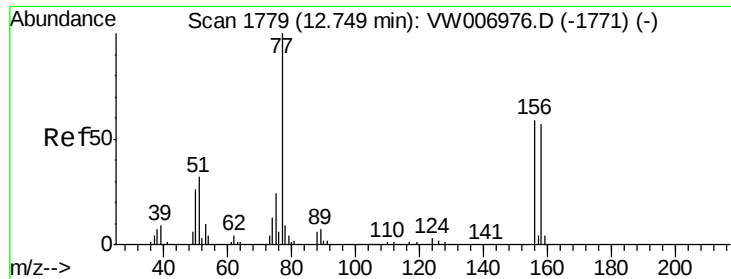
77 214.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.397 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

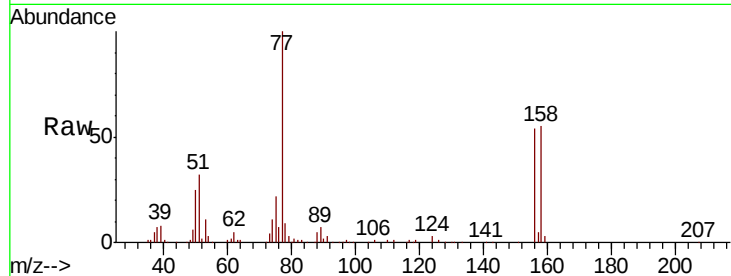
Tot Ion:156 Resp: 29605

Ion Ratio Lower Upper

156 100

77 190.1 94.6 283.8

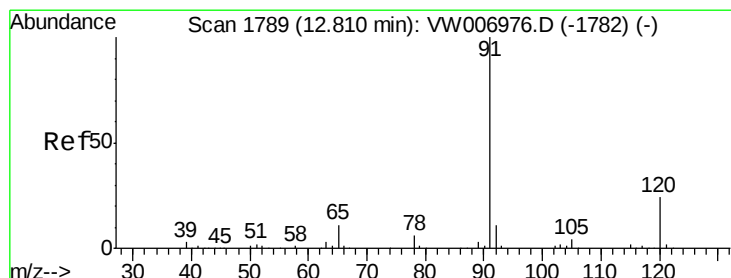
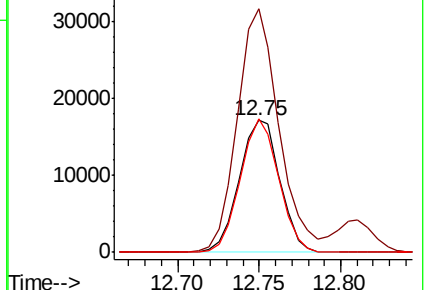
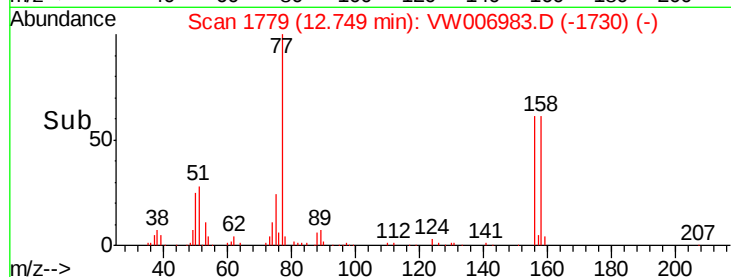
158 95.8 48.9 146.7



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: 20.098 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006983.D

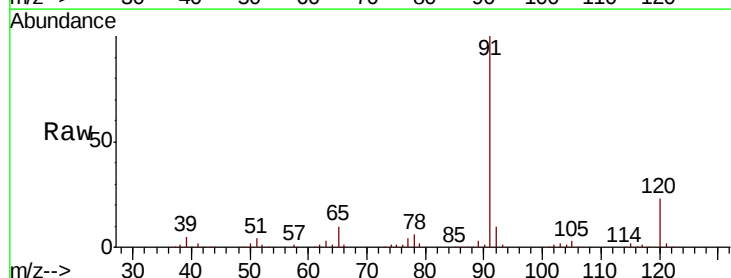
Acq: 20 Nov 2018 19:15

Tgt Ion: 91 Resp: 164518

Ion Ratio Lower Upper

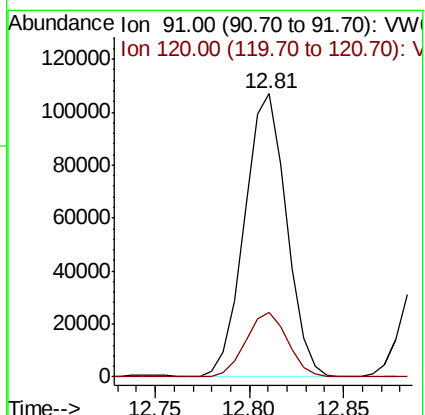
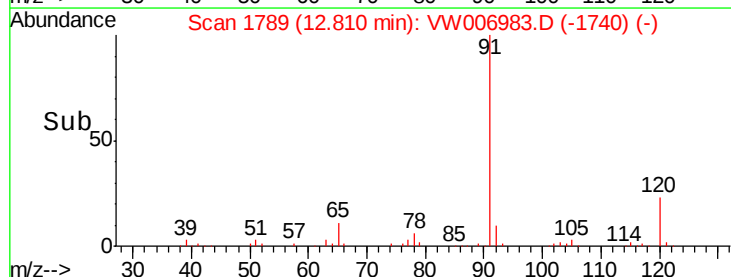
91 100

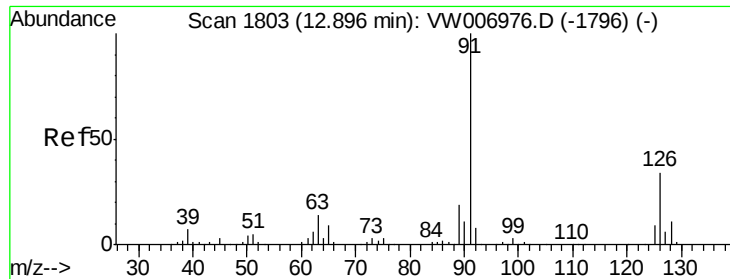
120 22.9 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.234 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

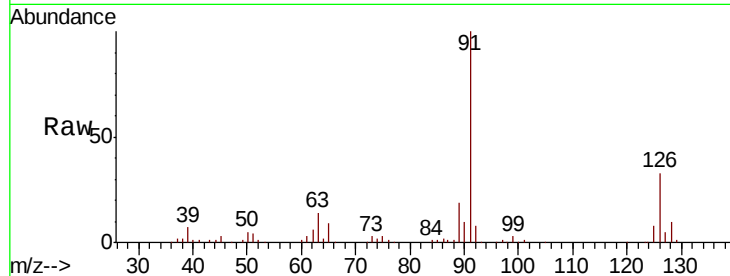
ClientSampleId :

Tot Ion: 91 Resp: 95504

Ion Ratio Lower Upper

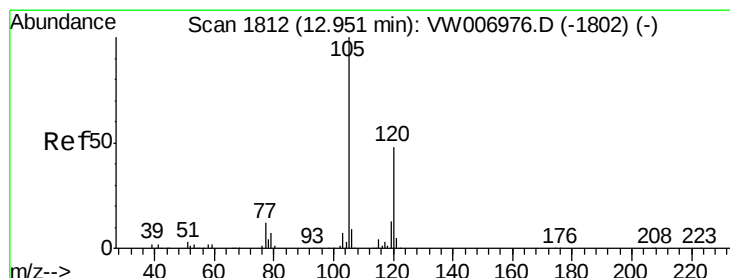
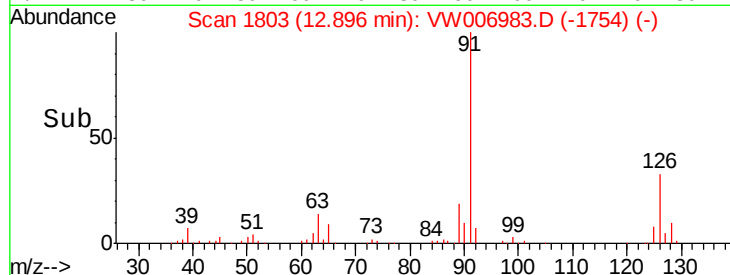
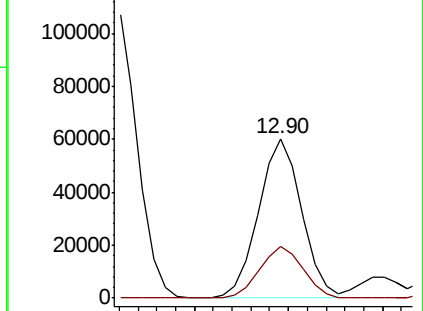
91 100

126 32.8 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.243 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.01 min

Lab File: VW006983.D

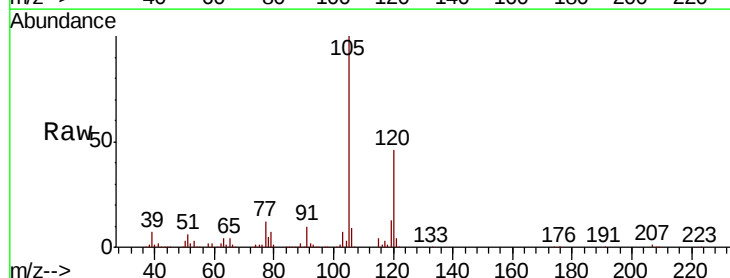
Acq: 20 Nov 2018 19:15

Tgt Ion:105 Resp: 118296

Ion Ratio Lower Upper

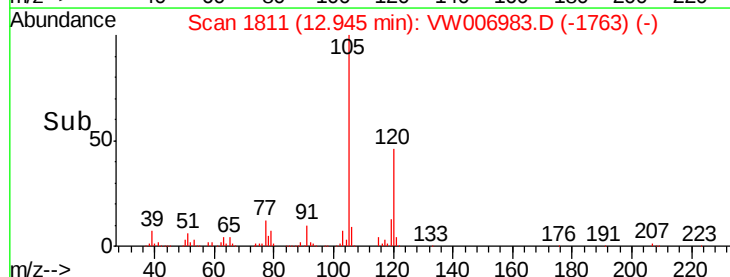
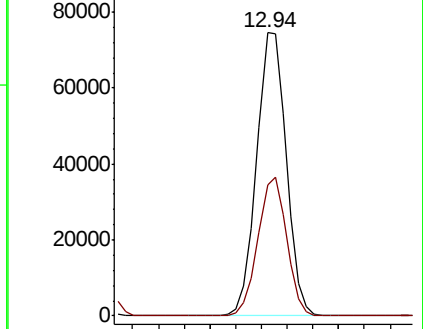
105 100

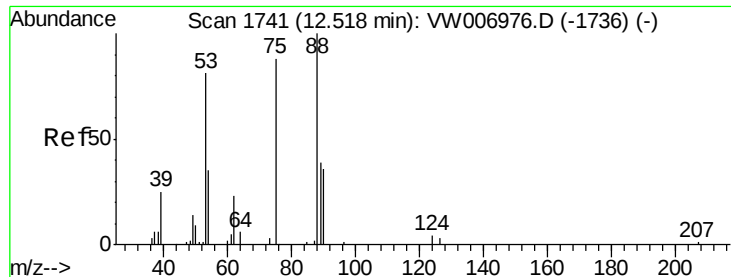
120 47.7 23.8 71.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

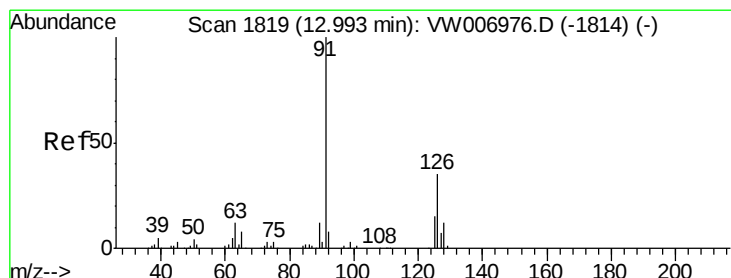
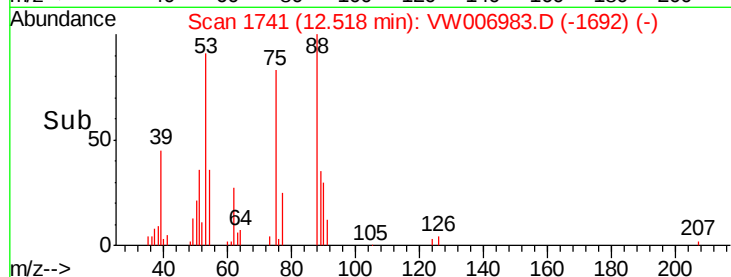
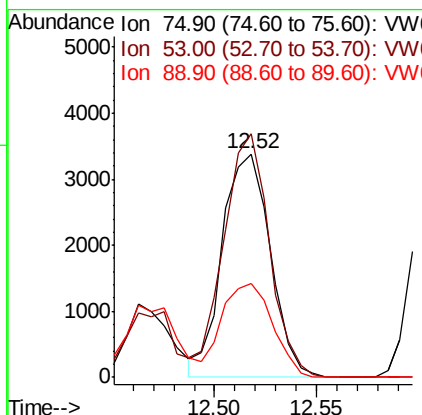
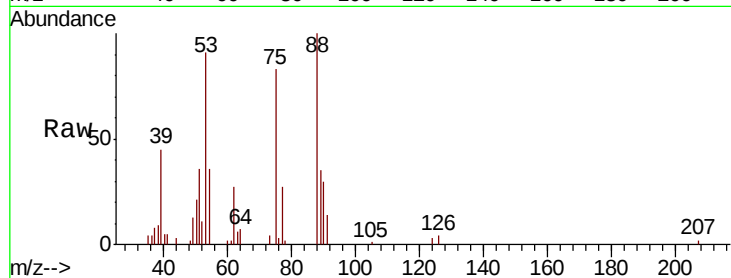




#81
trans-1,4-Dichloro-2-butene
Concen: 20.352 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

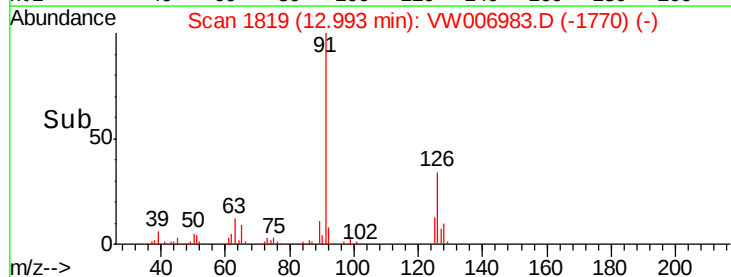
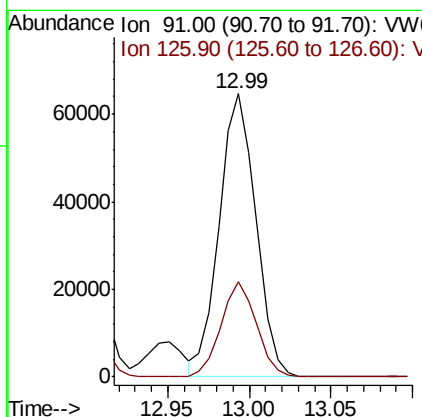
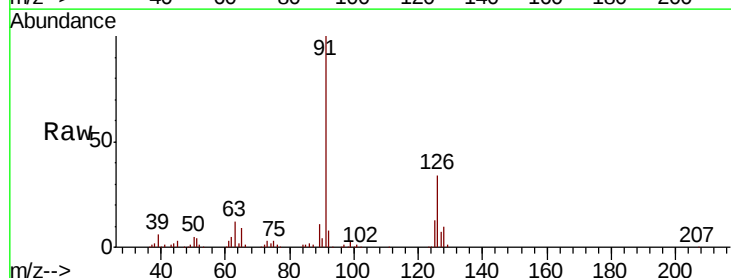
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 75 Resp: 5539
Ion Ratio Lower Upper
75 100
53 103.4 77.6 116.4
89 44.1 39.3 58.9



#82
4-Chlorotoluene
Concen: 20.385 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion: 91 Resp: 100967
Ion Ratio Lower Upper
91 100
126 32.6 16.6 49.7

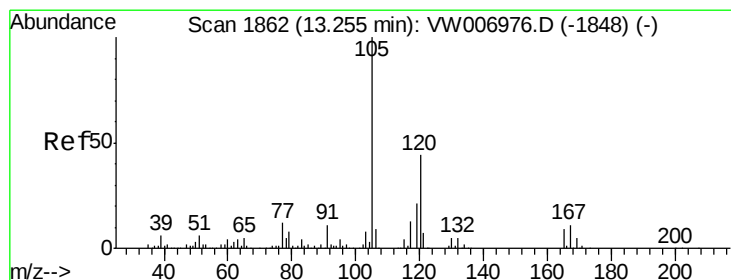
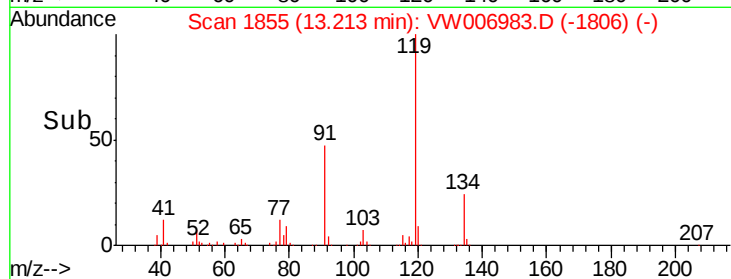
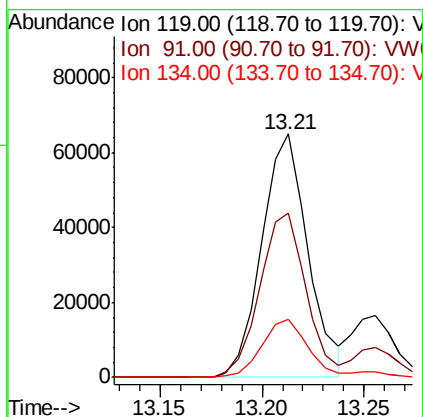
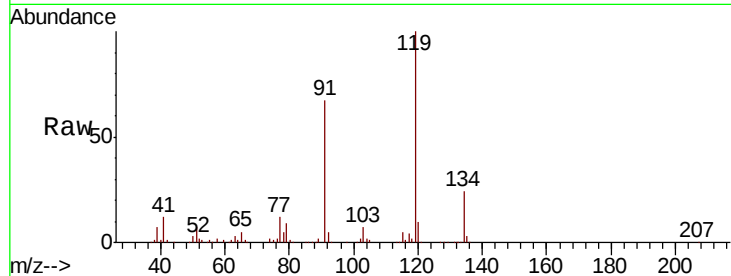




#83
tert-Butylbenzene
Concen: 20.278 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

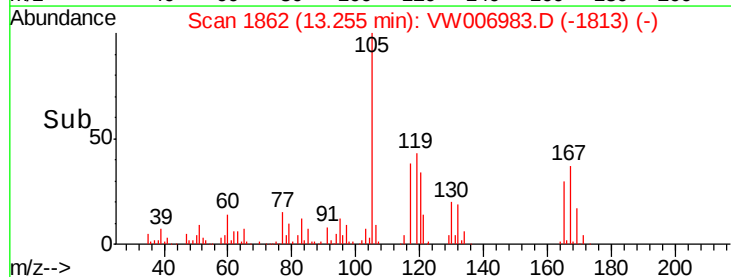
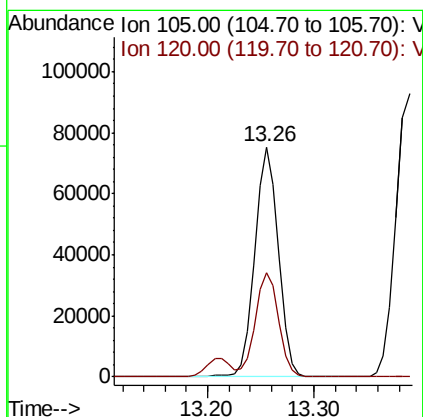
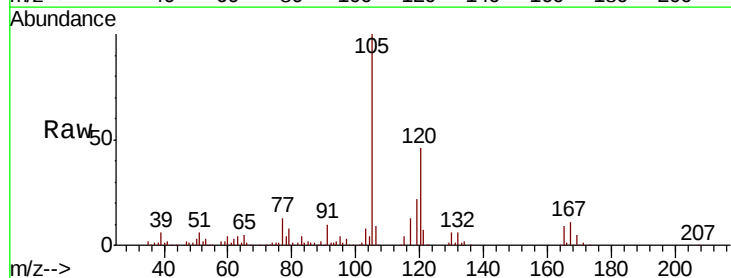
Instrument :
MSVOA_W
ClientSampled :

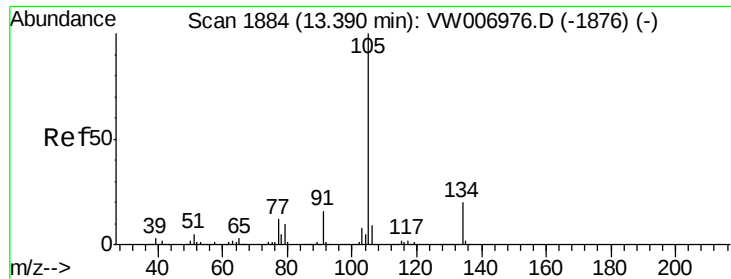
Tot Ion:119 Resp: 102598
Ion Ratio Lower Upper
119 100
91 67.4 33.5 100.5
134 24.0 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 20.104 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:105 Resp: 117054
Ion Ratio Lower Upper
105 100
120 44.9 21.8 65.3





#85

sec-Butylbenzene

Concen: 20.187 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

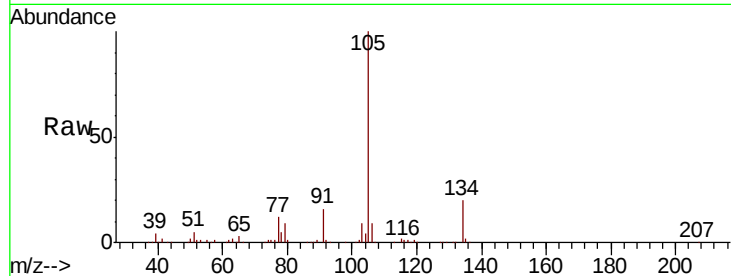
ClientSampleId :

Tot Ion:105 Resp: 144291

Ion Ratio Lower Upper

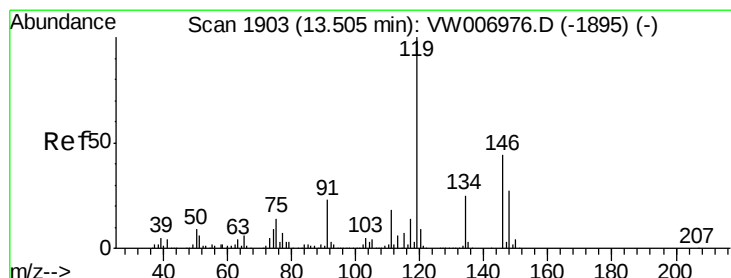
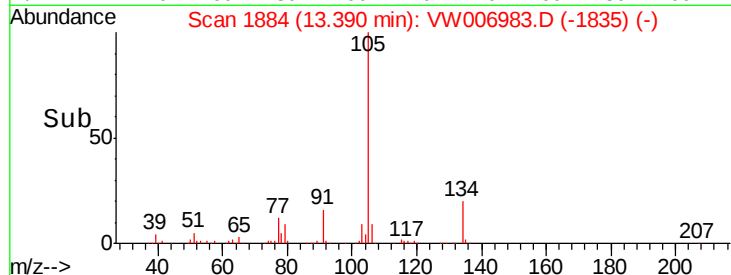
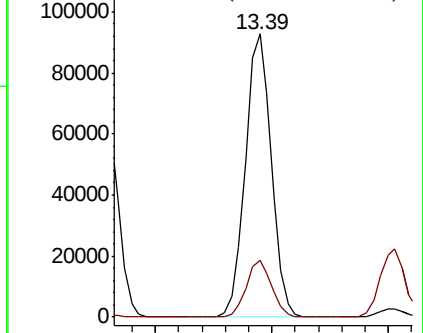
105 100

134 19.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.208 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

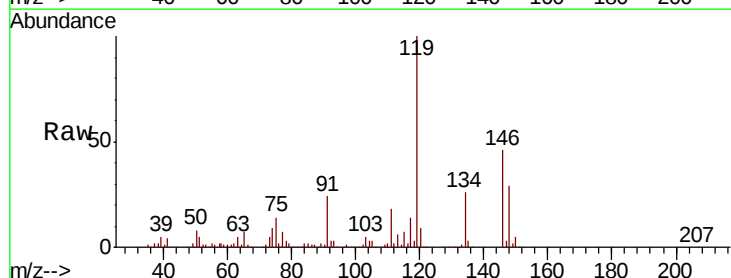
Tgt Ion:119 Resp: 127426

Ion Ratio Lower Upper

119 100

134 26.1 12.8 38.3

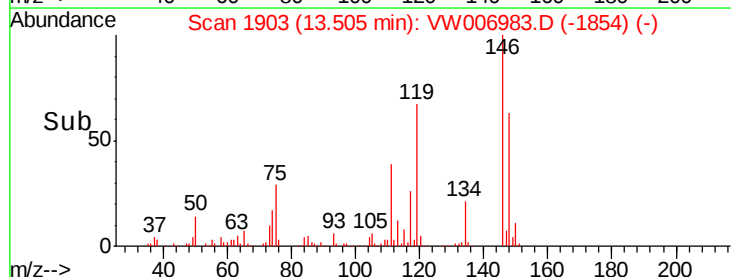
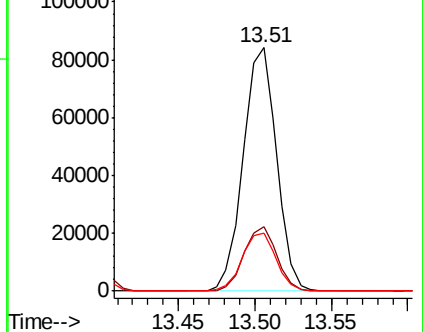
91 24.4 12.2 36.6

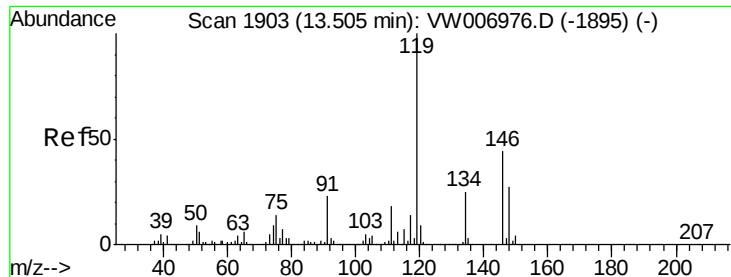


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

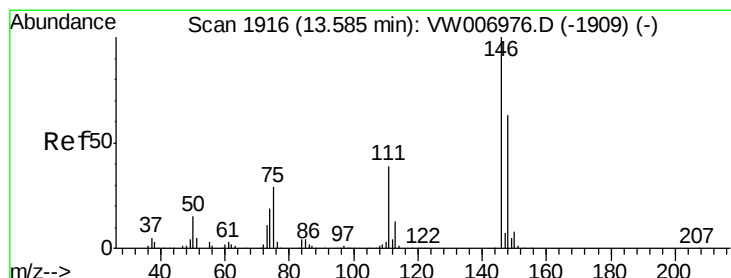
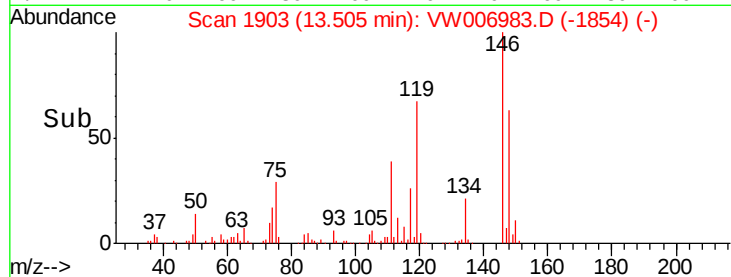
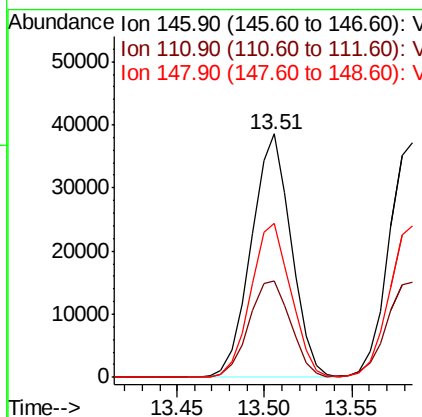
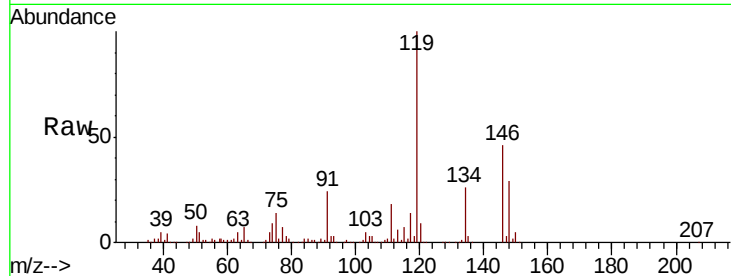




#87
 1,3-Dichlorobenzene
 Concen: 20.564 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

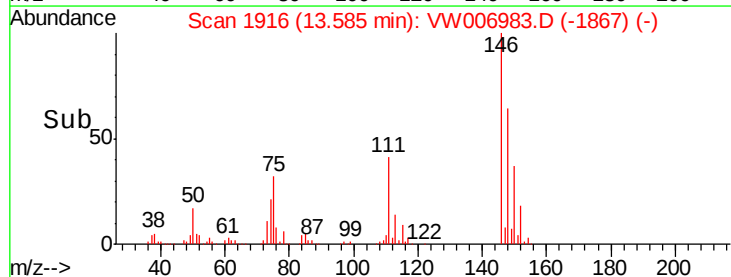
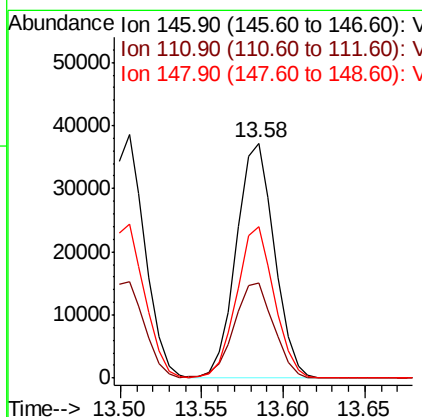
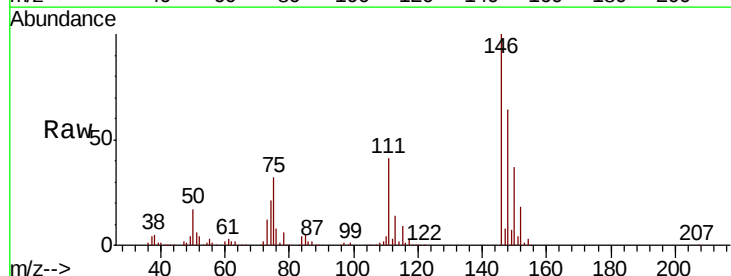
Instrument :
 MSVOA_W
 ClientSampled :

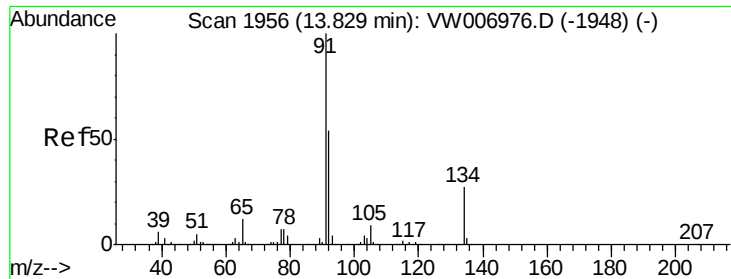
Tot Ion:146 Resp: 60937
 Ion Ratio Lower Upper
 146 100
 111 41.7 21.1 63.3
 148 63.9 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.481 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006983.D
 Acq: 20 Nov 2018 19:15

Tgt Ion:146 Resp: 60510
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.6 61.8
 148 63.4 32.3 96.8





#89

n-Butylbenzene

Concen: 20.264 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampled :

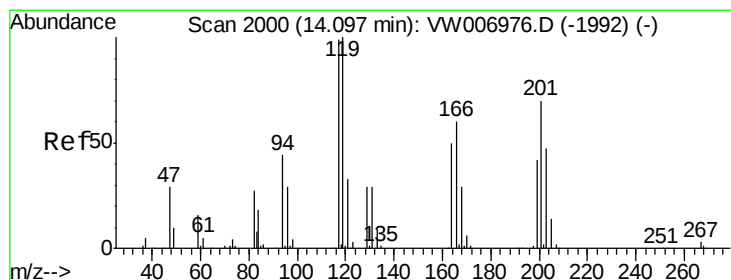
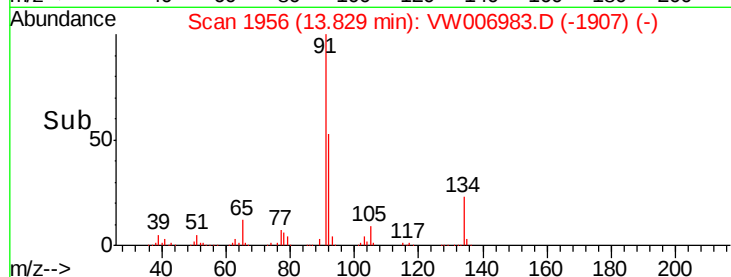
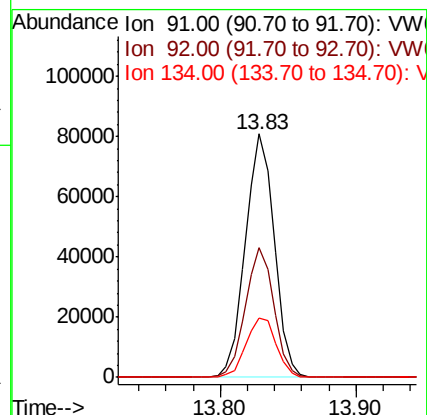
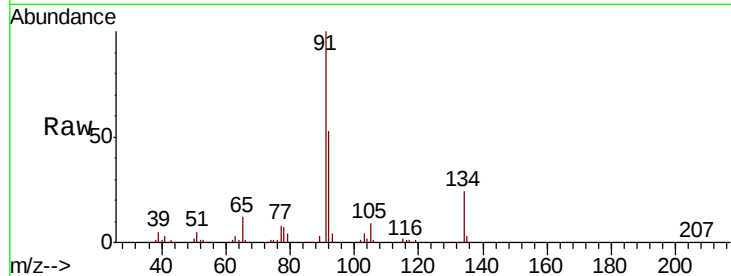
Tot Ion: 91 Resp: 120251

Ion Ratio Lower Upper

91 100

92 52.3 26.8 80.4

134 25.4 13.3 39.8



#90

Hexachloroethane

Concen: 19.574 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006983.D

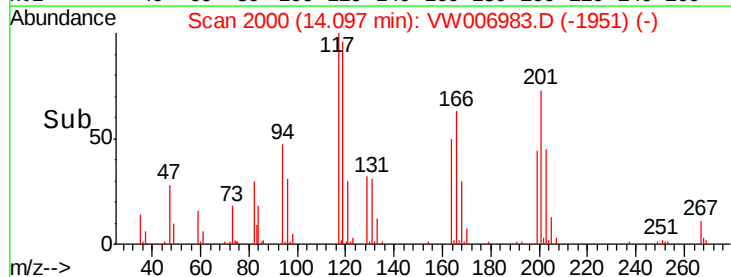
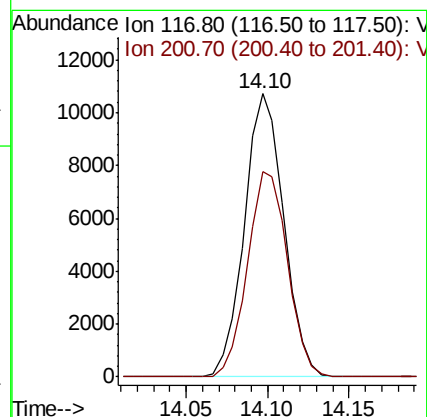
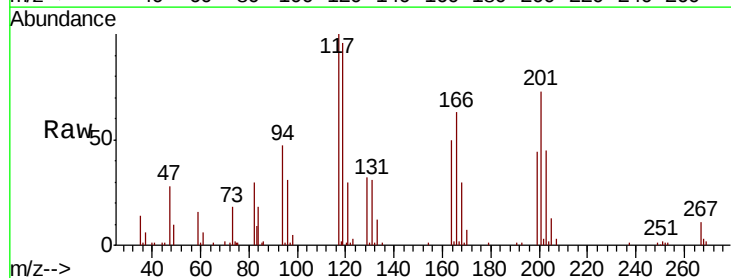
Acq: 20 Nov 2018 19:15

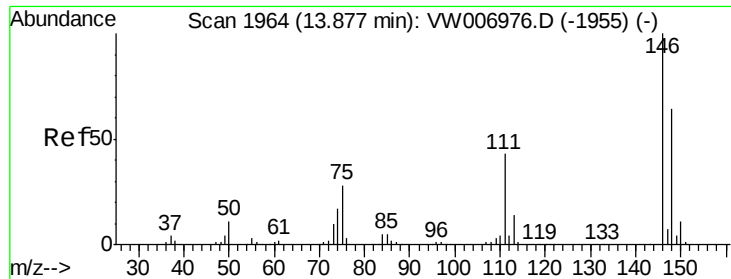
Tgt Ion: 117 Resp: 18020

Ion Ratio Lower Upper

117 100

201 73.6 35.9 107.5





#91

1,2-Dichlorobenzene

Concen: 20.846 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

Instrument :

MSVOA_W

ClientSampleId :

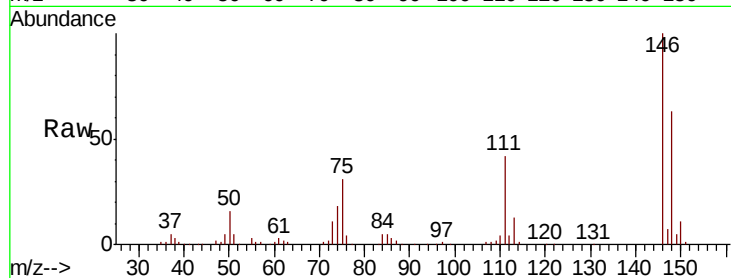
Tot Ion:146 Resp: 54125

Ion Ratio Lower Upper

146 100

111 42.4 21.9 65.7

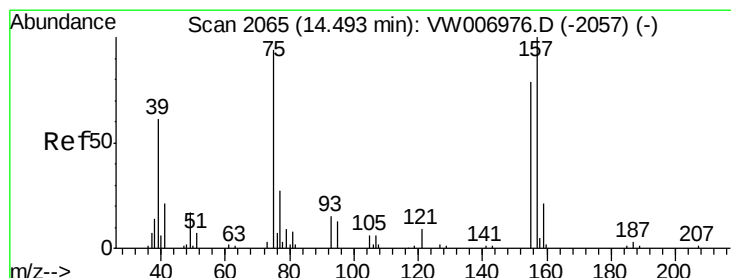
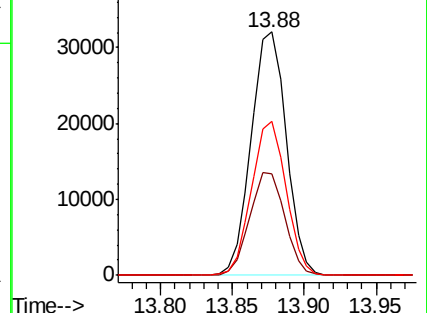
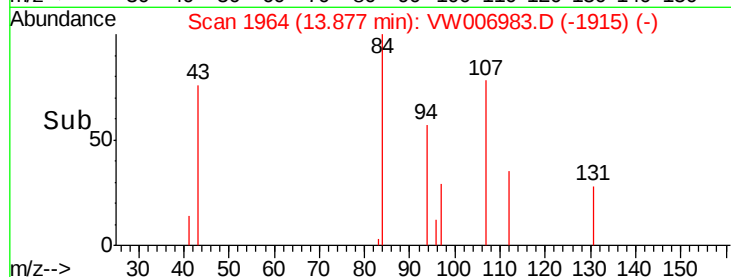
148 62.0 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.765 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006983.D

Acq: 20 Nov 2018 19:15

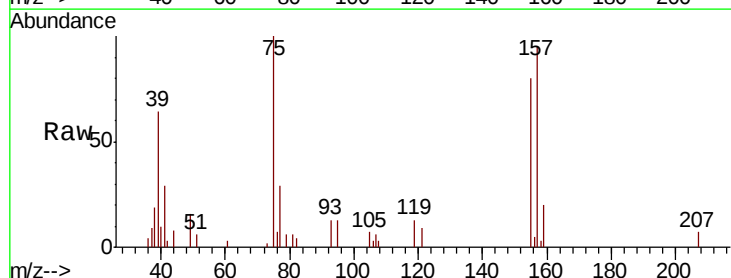
Tgt Ion: 75 Resp: 3306

Ion Ratio Lower Upper

75 100

155 81.5 42.6 127.8

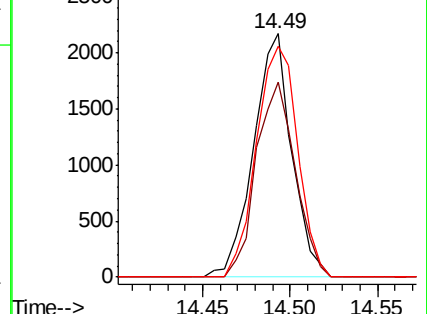
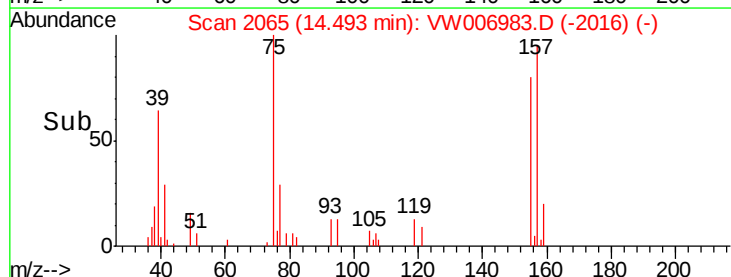
157 102.1 55.0 165.0

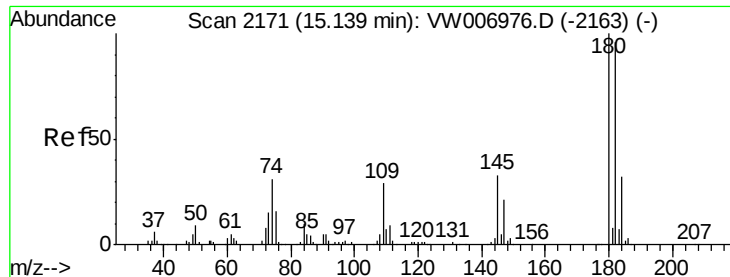


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

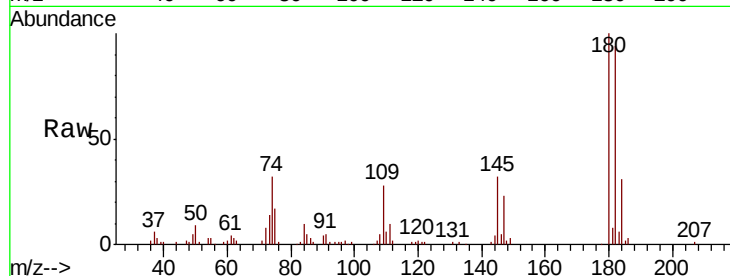




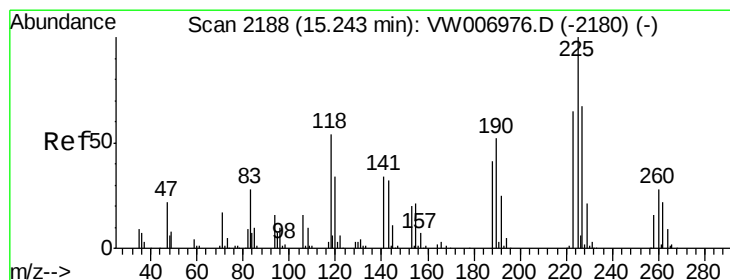
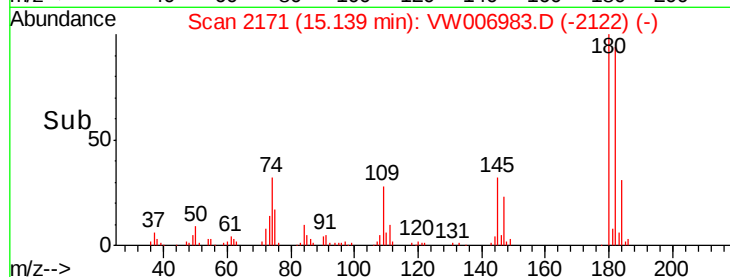
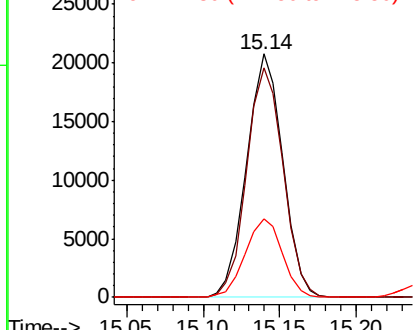
#93
1,2,4-Trichlorobenzene
Concen: 20.005 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:180 Resp: 34252
Ion Ratio Lower Upper
180 100
182 94.8 47.1 141.3
145 33.0 16.5 49.5

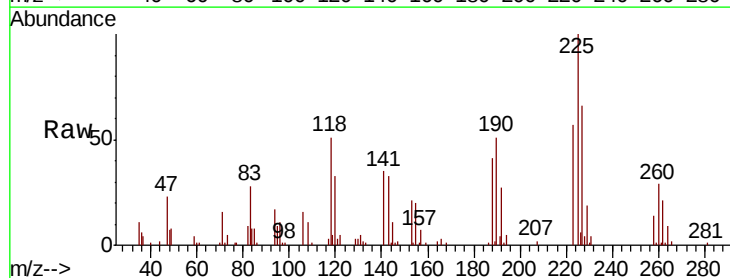


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

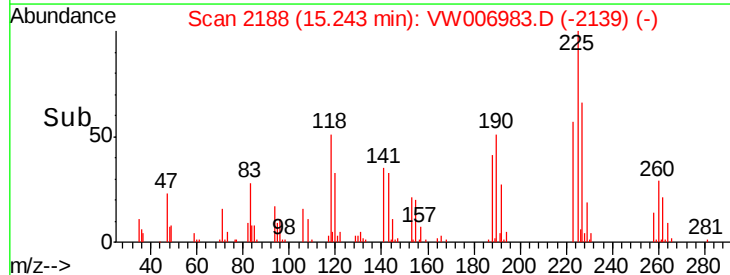
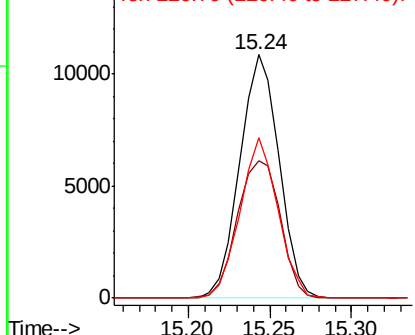


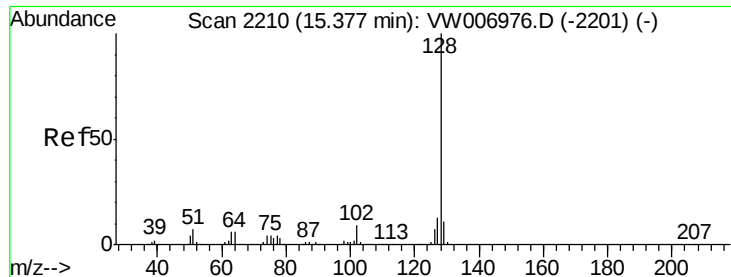
#94
Hexachlorobutadiene
Concen: 19.616 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:225 Resp: 18258
Ion Ratio Lower Upper
225 100
223 61.7 32.4 97.0
227 63.5 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

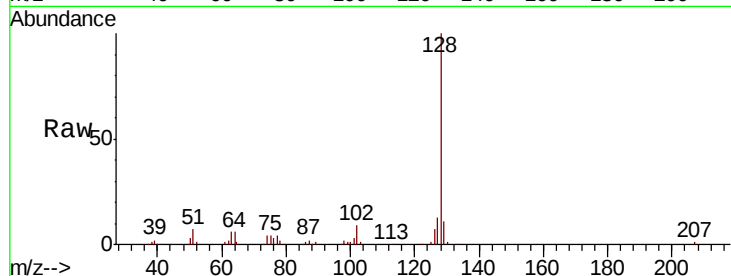




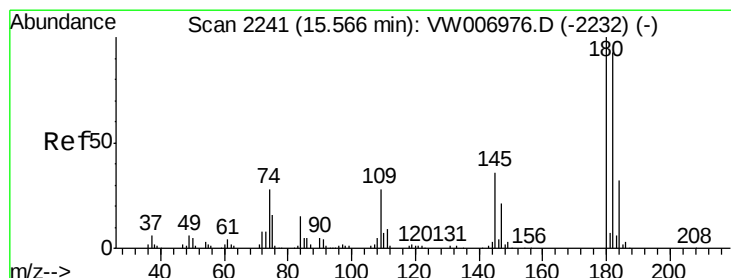
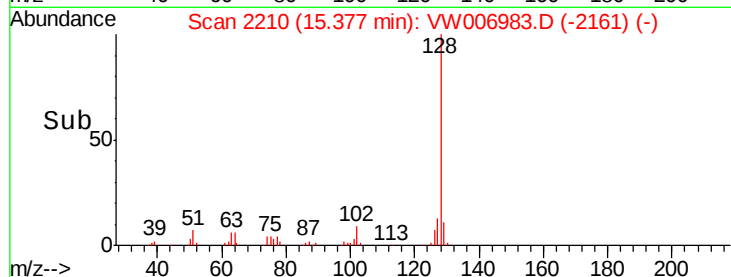
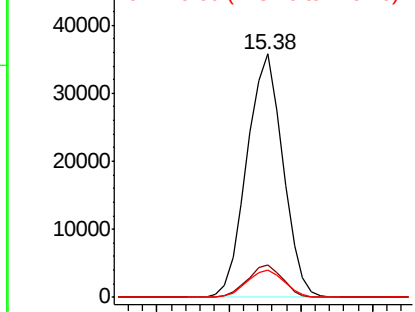
#95
Naphthalene
Concen: 19.911 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 61883
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 11.6 8.7 13.1

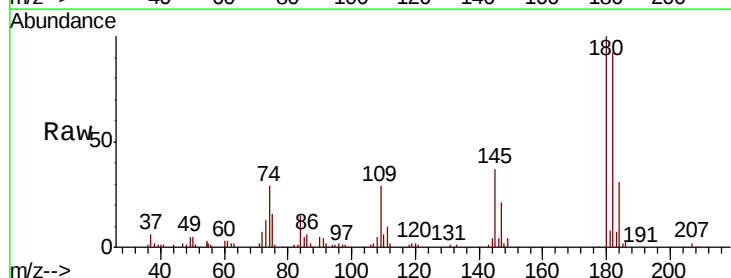


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.249 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006983.D
Acq: 20 Nov 2018 19:15

Tgt Ion:180 Resp: 28763
Ion Ratio Lower Upper
180 100
182 94.6 47.0 141.2
145 35.9 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

