

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
 Data File : VW004311.D
 Acq On : 29 Jul 2018 13:29
 Operator : SY/AP
 Sample : VSTDIC075
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 30 01:30:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 01:27:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	271068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	411654	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	374627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	194376	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	207856	76.02	ug/l	0.00
Spiked Amount			Recovery	=	152.04%	
35) Dibromofluoromethane	7.88	113	192741	74.09	ug/l	0.00
Spiked Amount			Recovery	=	148.18%	
50) Toluene-d8	10.33	98	771263	75.02	ug/l	0.00
Spiked Amount			Recovery	=	150.04%	
62) 4-Bromofluorobenzene	12.62	95	270945	74.85	ug/l	0.00
Spiked Amount			Recovery	=	149.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	72552	75.518	ug/l	95
3) Chloromethane	2.21	50	104161	68.505	ug/l	97
4) Vinyl Chloride	2.36	62	150868	57.660	ug/l	98
5) Bromomethane	2.78	94	111325	64.409	ug/l	98
6) Chloroethane	2.92	64	93309	56.806	ug/l	96
7) Trichlorofluoromethane	3.25	101	91876	58.691	ug/l	98
8) Diethyl Ether	3.67	74	79571	58.003	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.06	101	188525	69.445	ug/l	100
10) Methyl Iodide	4.26	142	292888	72.118	ug/l	100
11) Tert butyl alcohol	5.17	59	70463	351.253	ug/l	99
12) 1,1-Dichloroethene	4.03	96	189820	69.976	ug/l	98
13) Acrolein	3.89	56	64098	360.491	ug/l	95
14) Allyl chloride	4.66	41	331683	76.049	ug/l	100
15) Acrylonitrile	5.37	53	237714	385.880	ug/l	100
16) Acetone	4.12	43	249781	398.640	ug/l	99
17) Carbon Disulfide	4.37	76	615508	73.386	ug/l	100
18) Methyl Acetate	4.67	43	116015	71.968	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	366534	75.883	ug/l	99
20) Methylene Chloride	4.90	84	195857	67.163	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	206432	71.352	ug/l	99
22) Diisopropyl ether	6.32	45	632332	77.039	ug/l	97
23) Vinyl Acetate	6.26	43	1929744	405.244	ug/l	100
24) 1,1-Dichloroethane	6.21	63	371980	70.370	ug/l	99
25) 2-Butanone	7.17	43	318453	419.343	ug/l	99
26) 2,2-Dichloropropane	7.17	77	216058	70.452	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	220946	75.044	ug/l	98
28) Bromochloromethane	7.51	49	135618	73.204	ug/l	99
29) Tetrahydrofuran	7.53	42	202992	417.725	ug/l	99
30) Chloroform	7.68	83	366516	72.591	ug/l	98
31) Cyclohexane	7.96	56	343899	73.674	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	295502	71.261	ug/l	99
36) 1,1-Dichloropropene	8.09	75	303093	73.599	ug/l	99
37) Ethyl Acetate	7.26	43	138294	81.950	ug/l	99
38) Carbon Tetrachloride	8.07	117	285746	70.270	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W073018S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 30 01:27:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	376547	75.880	ug/l	99
40) Benzene	8.32	78	850281	73.395	ug/l	99
41) Methacrylonitrile	7.49	41	83867	86.071	ug/l	99
42) 1,2-Dichloroethane	8.40	62	241406	72.887	ug/l	100
43) Isopropyl Acetate	8.43	43	254997	83.841	ug/l	99
44) Trichloroethene	9.09	130	220272	70.427	ug/l	100
45) 1,2-Dichloropropane	9.37	63	215154	74.842	ug/l	98
46) Dibromomethane	9.46	93	109303	74.460	ug/l	99
47) Bromodichloromethane	9.65	83	271094	72.810	ug/l	99
48) Methyl methacrylate	9.44	41	126491	81.660	ug/l	99
49) 1,4-Dioxane	9.45	88	36635	1646.263	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	690399	413.606	ug/l	100
52) Toluene	10.39	92	530168	72.889	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	287833	77.185	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	333044	76.606	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	152977	73.141	ug/l	97
56) Ethyl methacrylate	10.65	69	207116	81.831	ug/l	98
57) 1,3-Dichloropropane	10.94	76	265166	74.415	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	457157	406.606	ug/l	99
59) 2-Hexanone	10.97	43	484151	422.416	ug/l	99
60) Dibromochloromethane	11.13	129	180315	72.051	ug/l	100
61) 1,2-Dibromoethane	11.24	107	147954	74.182	ug/l	100
64) Tetrachloroethene	10.87	164	187485	68.309	ug/l	98
65) Chlorobenzene	11.66	112	564072	71.692	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.73	131	197429	71.145	ug/l	98
67) Ethyl Benzene	11.74	91	1021031	74.446	ug/l	95
68) m/p-Xylenes	11.85	106	784038	148.559	ug/l	100
69) o-Xylene	12.17	106	363506	74.544	ug/l	100
70) Styrene	12.19	104	616513	74.834	ug/l	99
71) Bromoform	12.35	173	113258	72.824	ug/l	100
73) Isopropylbenzene	12.47	105	1003983	74.491	ug/l	98
74) N-amyl acetate	12.28	43	250487	85.768	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	183119	77.561	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	249382	84.183	ug/l #	100
77) Bromobenzene	12.76	156	237345	72.883	ug/l	98
78) n-propylbenzene	12.81	91	1258780	76.665	ug/l	100
79) 2-Chlorotoluene	12.90	91	691129	73.593	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	866517	74.630	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	61252	80.343	ug/l	97
82) 4-Chlorotoluene	12.99	91	740381	74.504	ug/l	98
83) tert-Butylbenzene	13.21	119	733645	75.846	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	882438	74.520	ug/l	99
85) sec-Butylbenzene	13.39	105	1057503	74.845	ug/l	97
86) p-Isopropyltoluene	13.51	119	948935	74.779	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	475655	72.972	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	467631	71.907	ug/l	98
89) n-Butylbenzene	13.83	91	925594	78.111	ug/l	99
90) Hexachloroethane	14.10	117	164952	72.881	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	420188	72.017	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	30624	74.305	ug/l	98

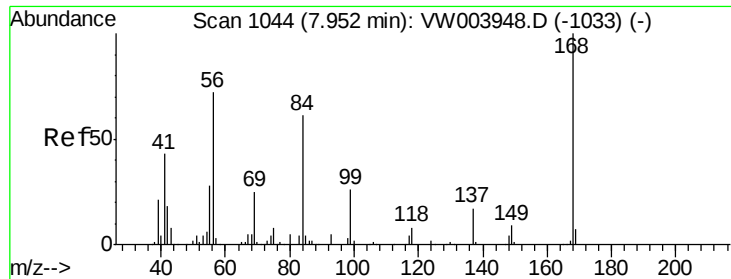
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW073018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	295865	72.220	ug/l	98
94) Hexachlorobutadiene	15.24	225	172718	69.006	ug/l	97
95) Naphthalene	15.38	128	558152	79.191	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	263215	73.425	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

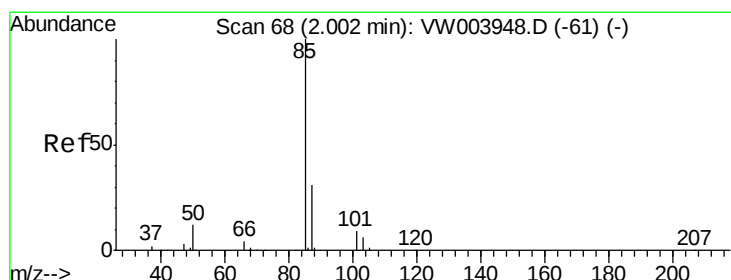
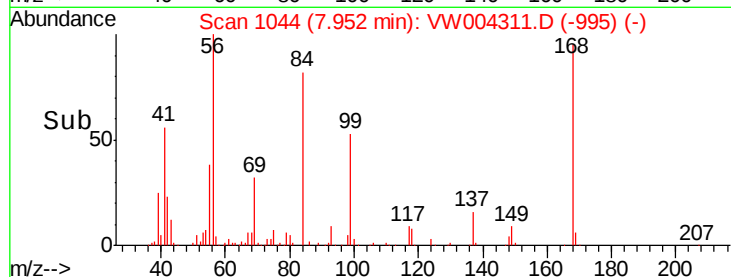
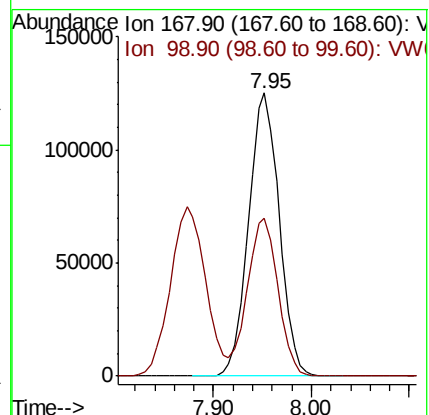
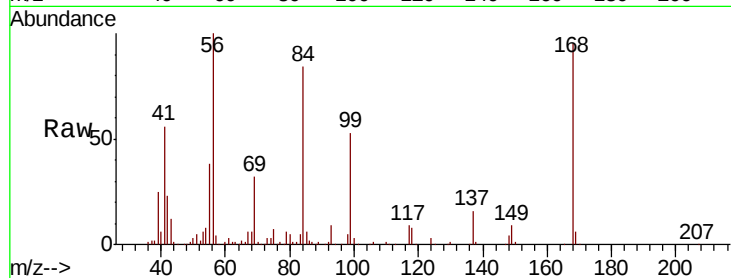
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 271068

Ion Ratio Lower Upper

168 100

99 55.8 45.0 67.4



#2

Dichlorodifluoromethane

Concen: 75.518 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VW004311.D

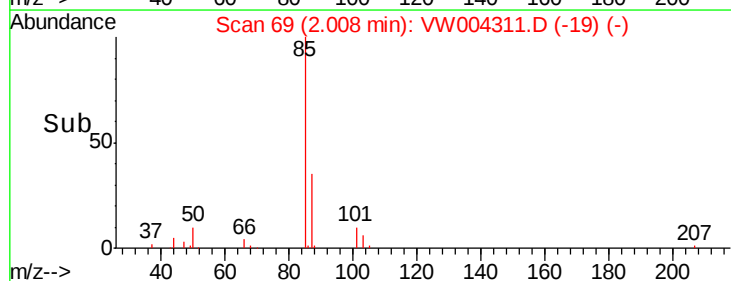
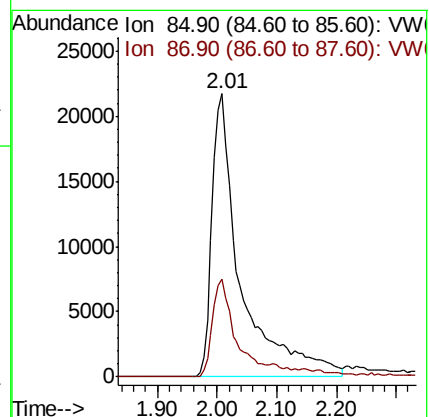
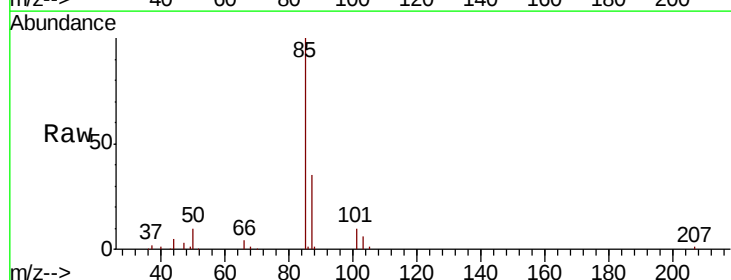
Acq: 29 Jul 2018 13:29

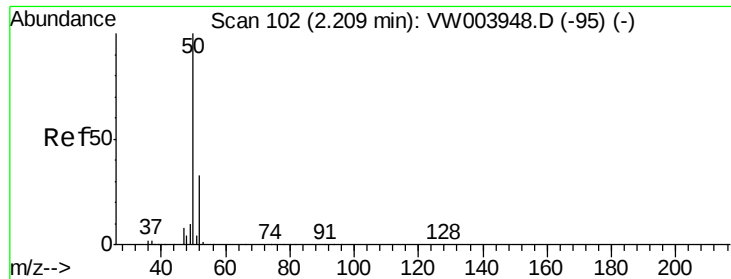
Tgt Ion: 85 Resp: 72552

Ion Ratio Lower Upper

85 100

87 34.5 15.9 47.7





#3

Chloromethane

Concen: 68.505 ug/l

RT: 2.21 min Scan# 102

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

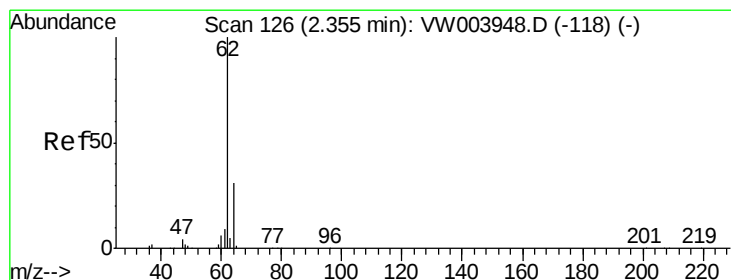
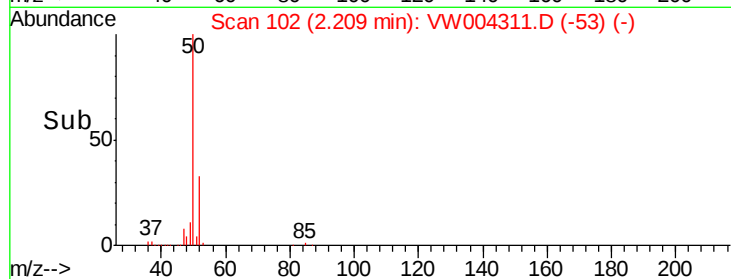
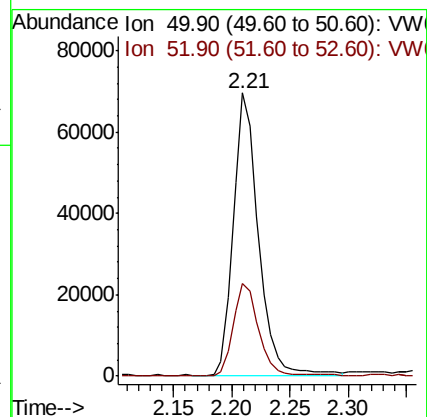
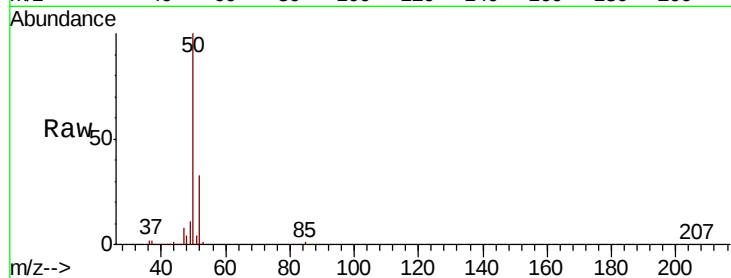
ClientSampleId :

Tot Ion: 50 Resp: 104161

Ion Ratio Lower Upper

50 100

52 32.6 24.8 37.2



#4

Vinyl Chloride

Concen: 57.660 ug/l

RT: 2.36 min Scan# 126

Delta R.T. 0.00 min

Lab File: VW004311.D

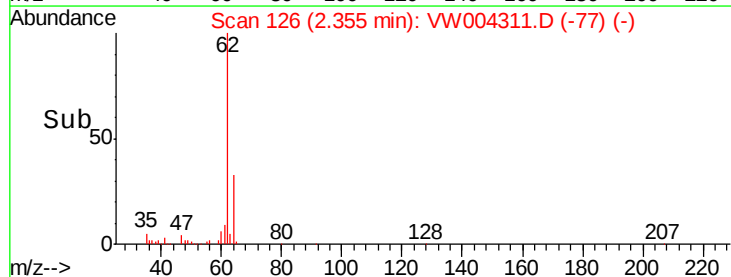
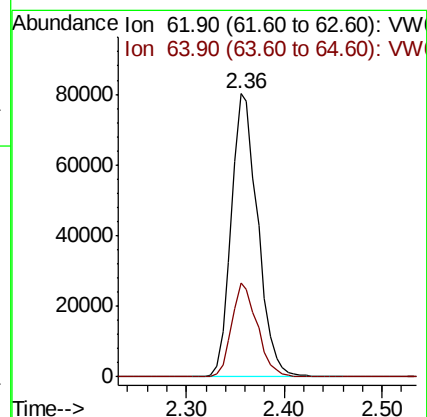
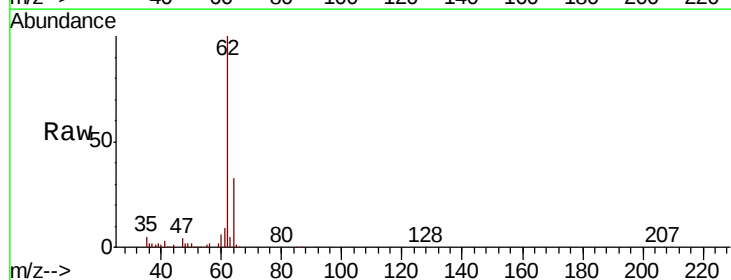
Acq: 29 Jul 2018 13:29

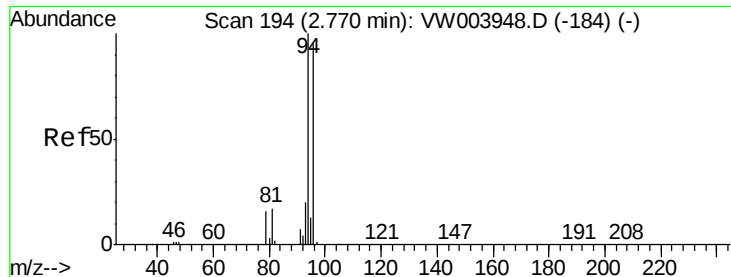
Tgt Ion: 62 Resp: 150868

Ion Ratio Lower Upper

62 100

64 33.3 25.9 38.9





#5

Bromomethane

Concen: 64.409 ug/l

RT: 2.78 min Scan# 195

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

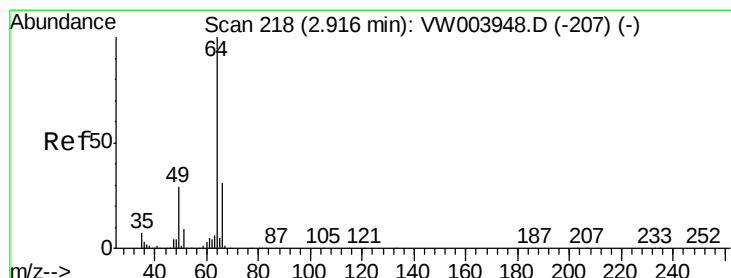
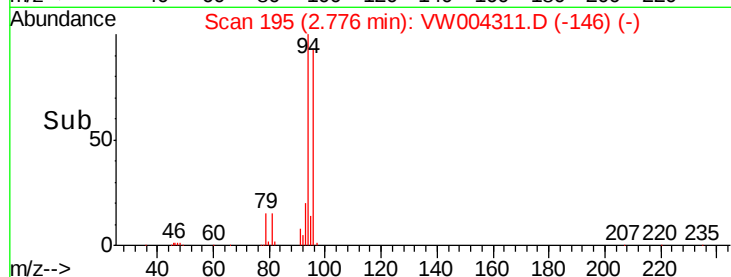
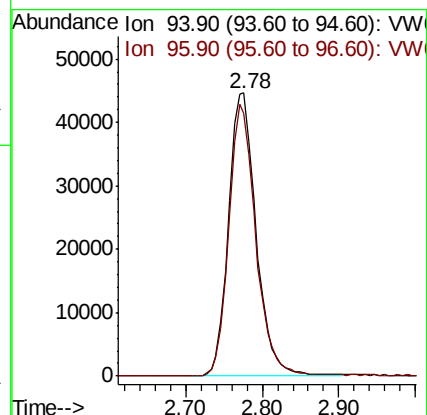
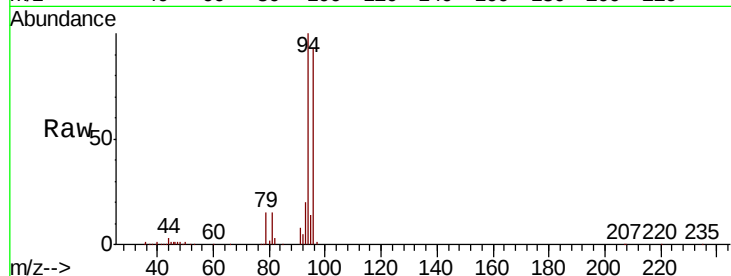
ClientSampleId :

Tot Ion: 94 Resp: 111325

Ion Ratio Lower Upper

94 100

96 93.0 73.3 109.9



#6

Chloroethane

Concen: 56.806 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.00 min

Lab File: VW004311.D

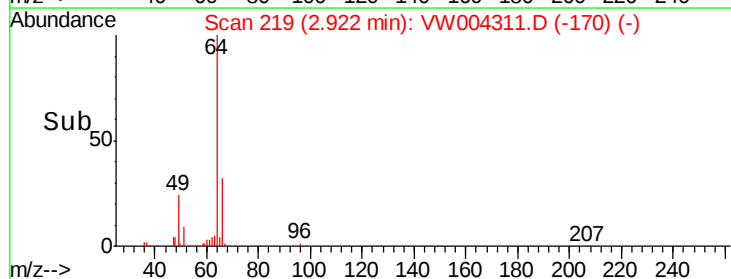
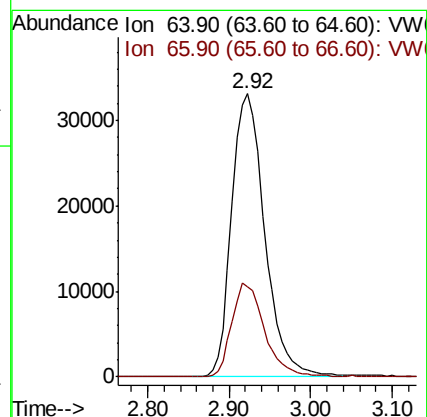
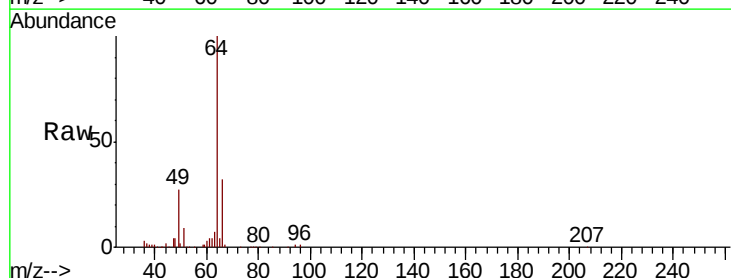
Acq: 29 Jul 2018 13:29

Tgt Ion: 64 Resp: 93309

Ion Ratio Lower Upper

64 100

66 31.9 23.7 35.5



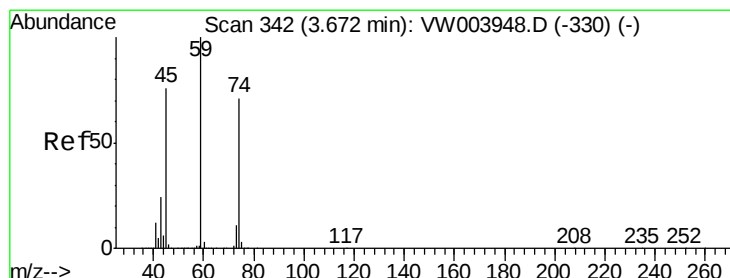
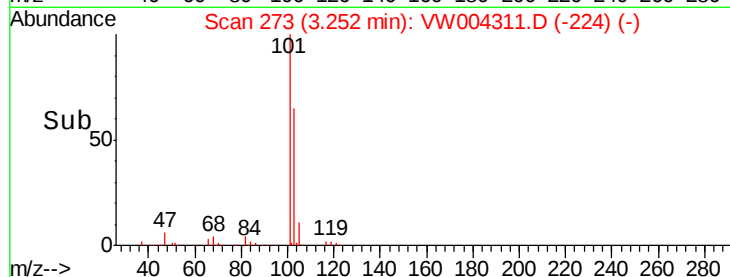
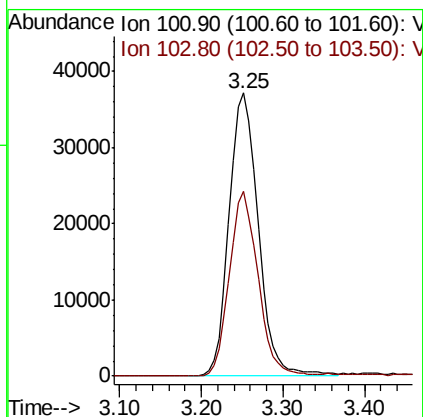
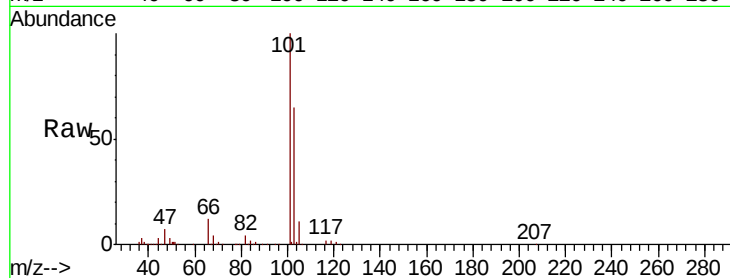


#7

Trichlorofluoromethane
 Concen: 58.691 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampled :

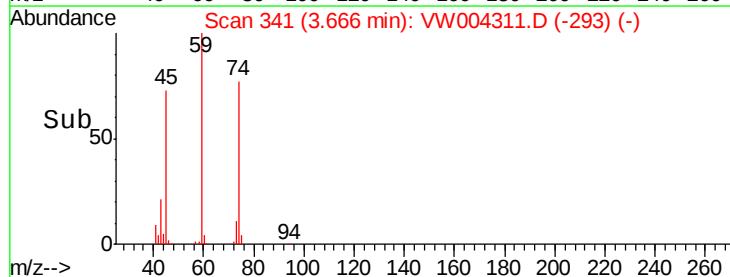
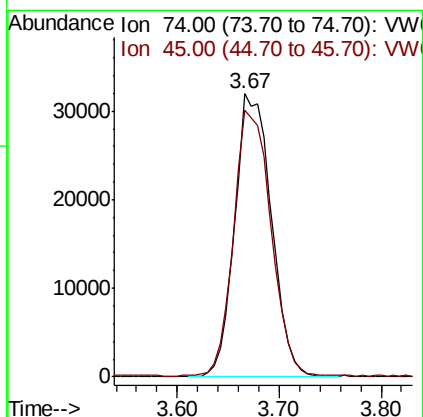
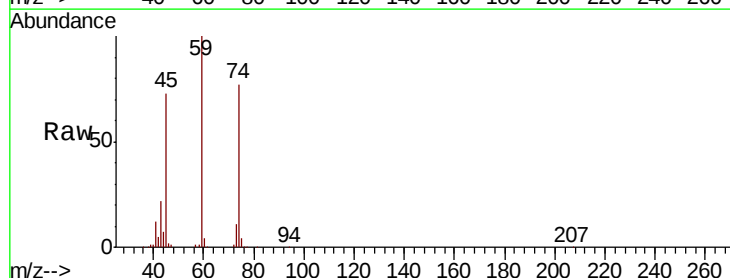
Tot Ion:101 Resp: 91876
 Ion Ratio Lower Upper
 101 100
 103 65.4 50.8 76.2

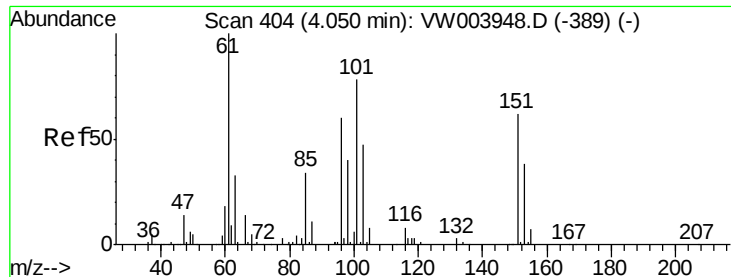


#8

Diethyl Ether
 Concen: 58.003 ug/l
 RT: 3.67 min Scan# 341
 Delta R.T. -0.01 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 74 Resp: 79571
 Ion Ratio Lower Upper
 74 100
 45 95.7 49.4 148.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.445 ug/l

RT: 4.06 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampled :

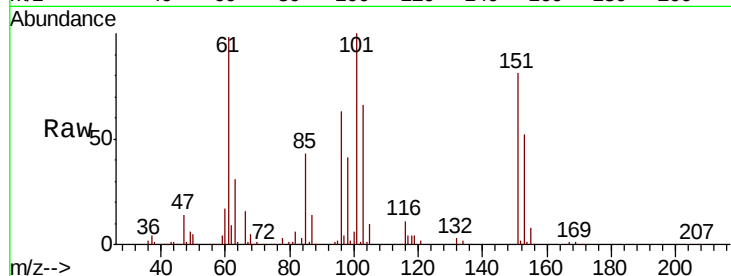
Tot Ion:101 Resp: 188525

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

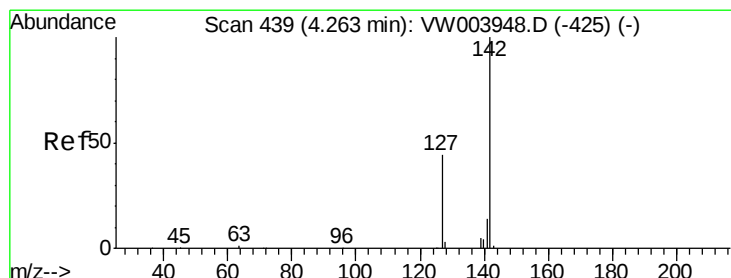
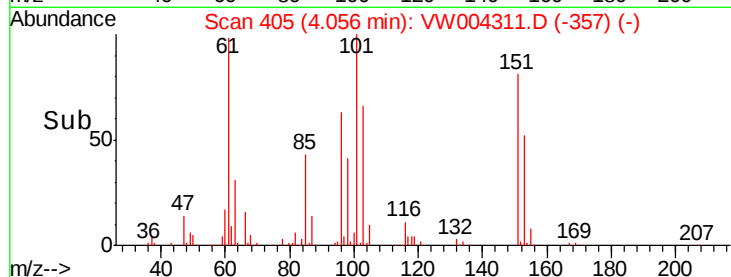
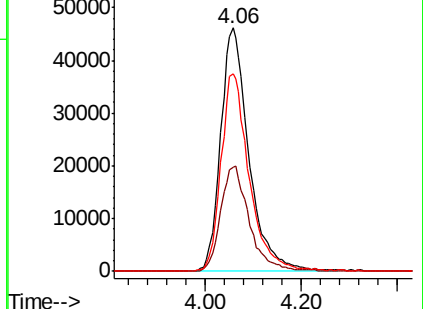
151 80.9 64.6 97.0



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: 72.118 ug/l

RT: 4.26 min Scan# 439

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

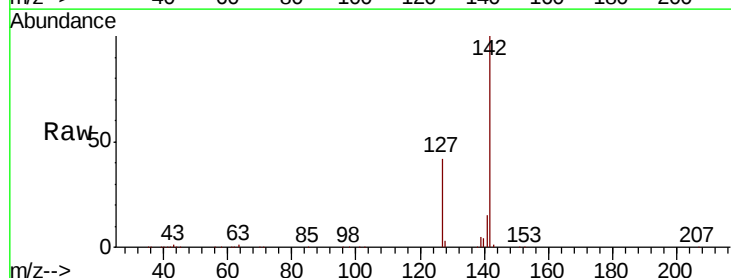
Tgt Ion:142 Resp: 292888

Ion Ratio Lower Upper

142 100

127 43.0 34.6 52.0

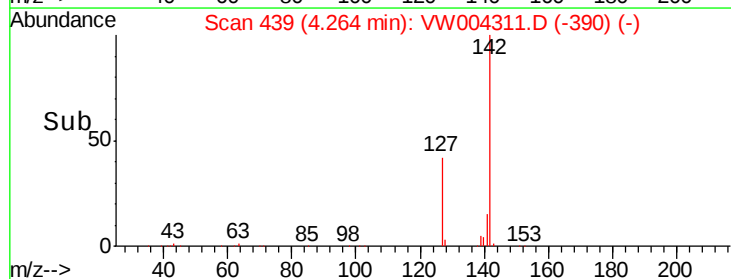
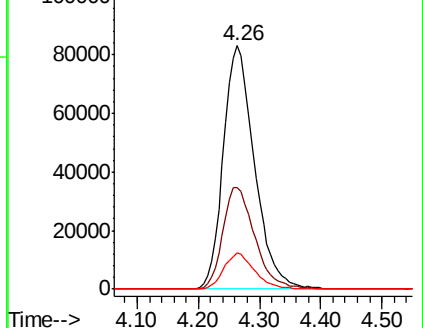
141 14.6 11.5 17.3

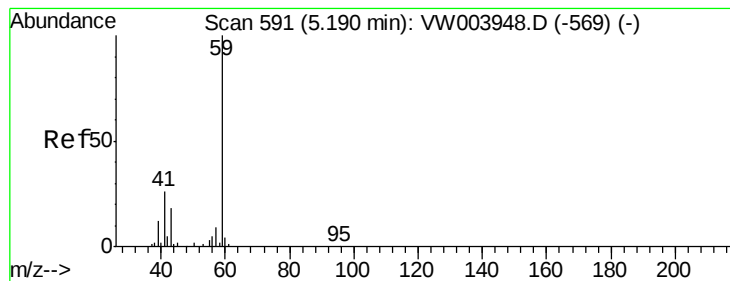


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



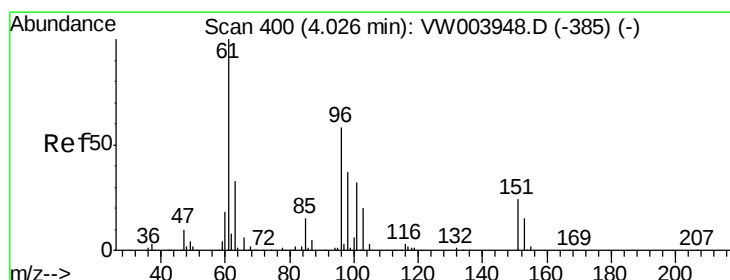
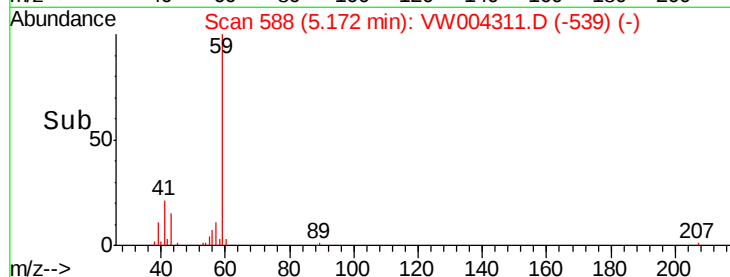
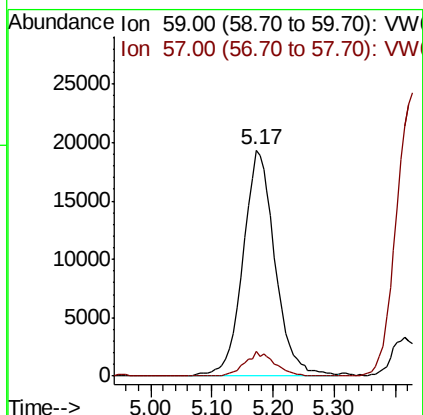
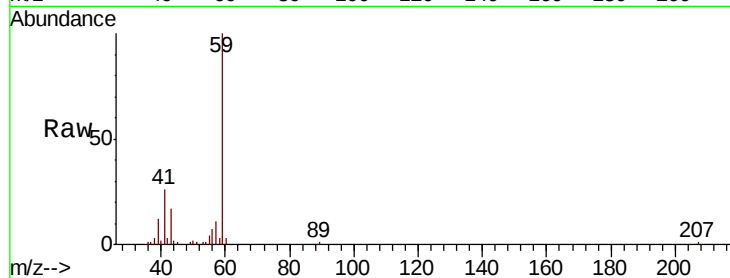


#11

Tert butyl alcohol
Concen: 351.253 ug/l
RT: 5.17 min Scan# 588
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Instrument :
MSVOA_W
ClientSampled :

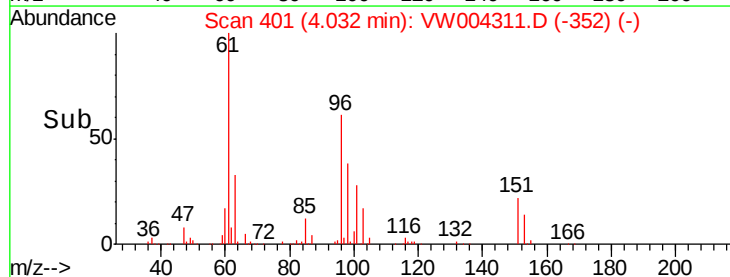
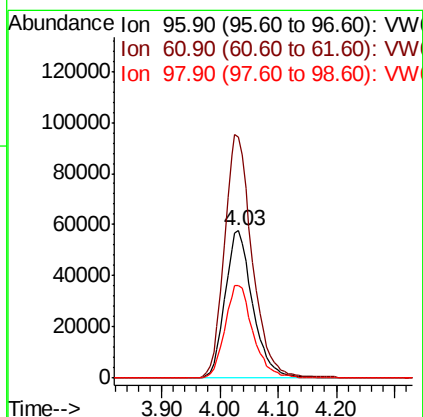
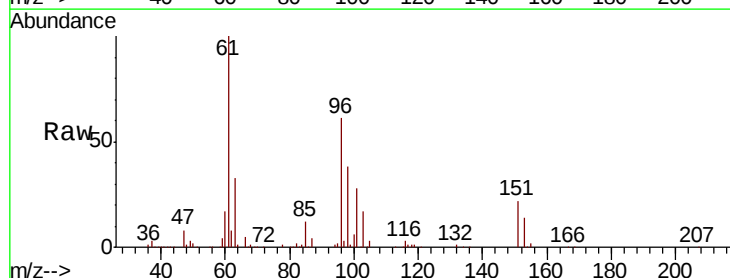
Tot Ion: 59 Resp: 70463
Ion Ratio Lower Upper
59 100
57 10.0 8.4 12.6

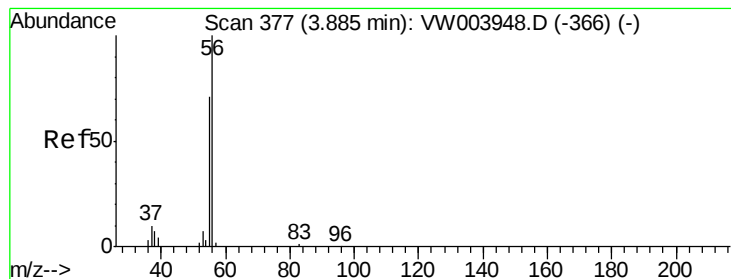


#12

1,1-Dichloroethene
Concen: 69.976 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 96 Resp: 189820
Ion Ratio Lower Upper
96 100
61 163.6 133.4 200.0
98 62.9 51.9 77.9





#13

Acrolein

Concen: 360.491 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

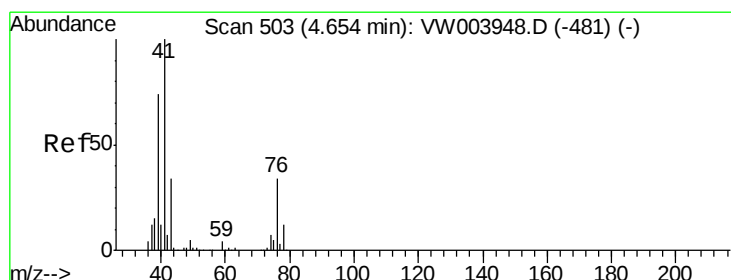
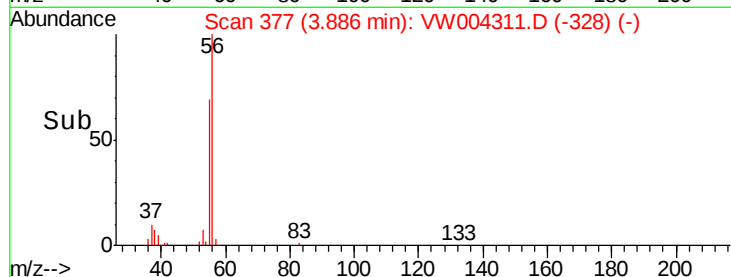
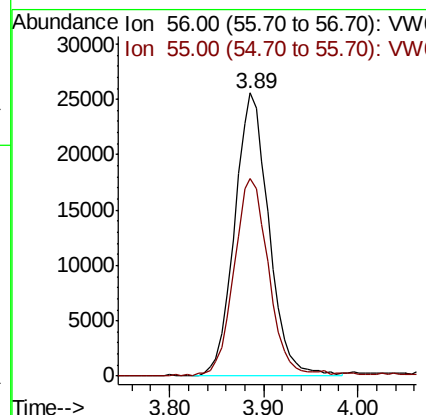
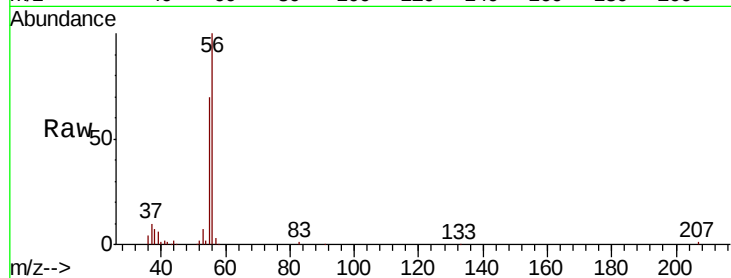
ClientSampleId :

Tot Ion: 56 Resp: 64098

Ion Ratio Lower Upper

56 100

55 70.3 59.4 89.2



#14

Allyl chloride

Concen: 76.049 ug/l

RT: 4.66 min Scan# 504

Delta R.T. -0.01 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

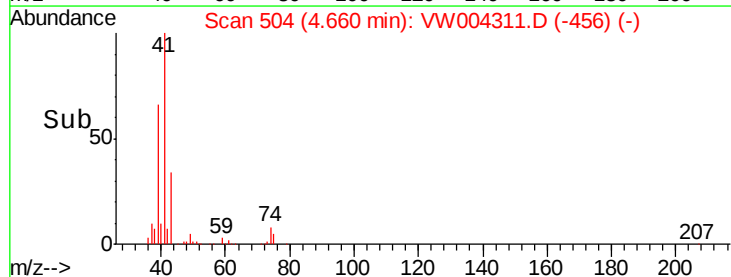
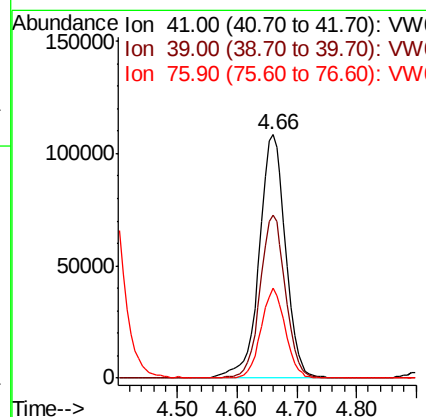
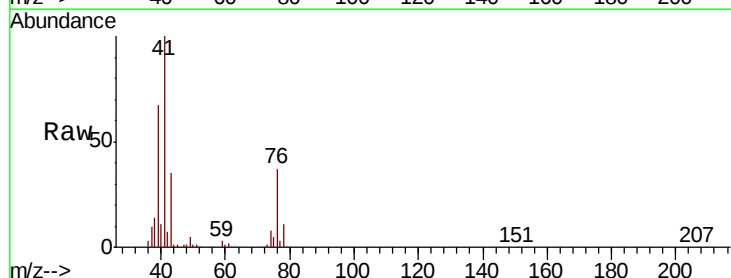
Tgt Ion: 41 Resp: 331683

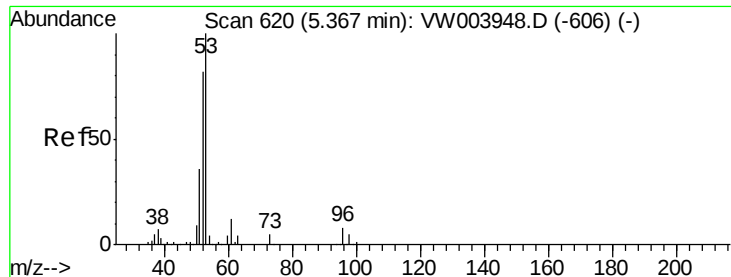
Ion Ratio Lower Upper

41 100

39 64.9 52.3 78.5

76 34.0 27.3 40.9





#15

Acrylonitrile

Concen: 385.880 ug/l

RT: 5.37 min Scan# 620

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

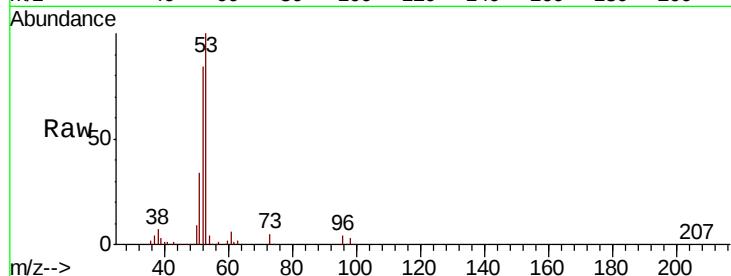
Tot Ion: 53 Resp: 237714

Ion Ratio Lower Upper

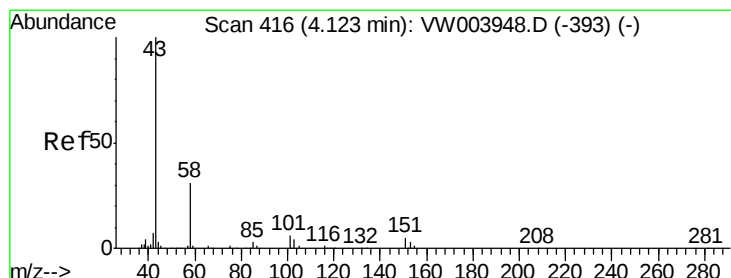
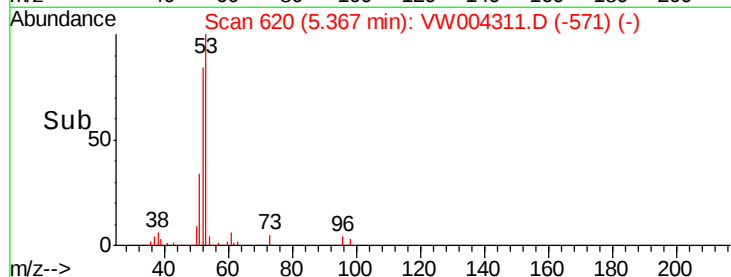
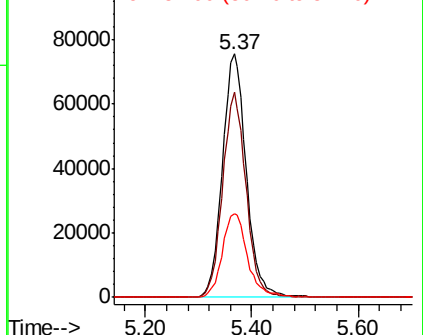
53 100

52 82.1 65.7 98.5

51 36.3 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 398.640 ug/l

RT: 4.12 min Scan# 415

Delta R.T. 0.00 min

Lab File: VW004311.D

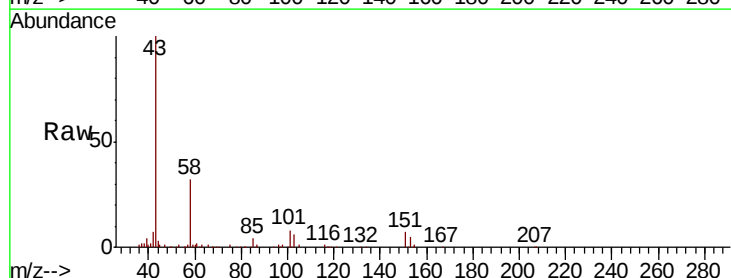
Acq: 29 Jul 2018 13:29

Tgt Ion: 43 Resp: 249781

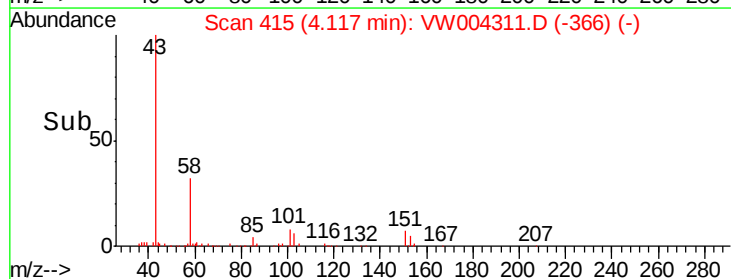
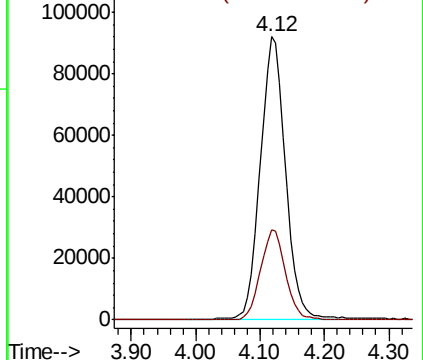
Ion Ratio Lower Upper

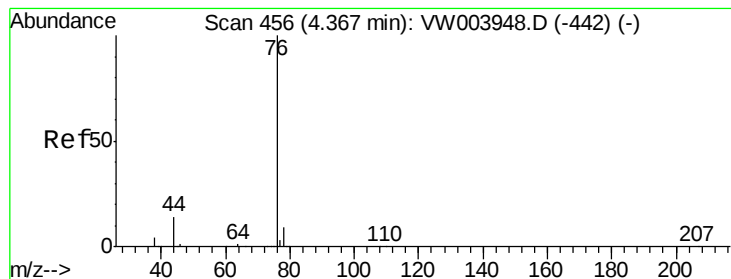
43 100

58 31.6 24.8 37.2



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





#17

Carbon Disulfide

Concen: 73.386 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

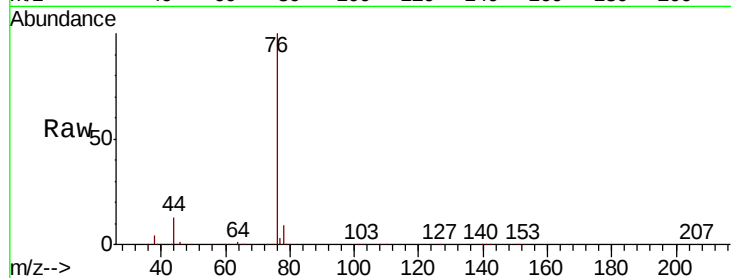
ClientSampled :

Tot Ion: 76 Resp: 615508

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

200000

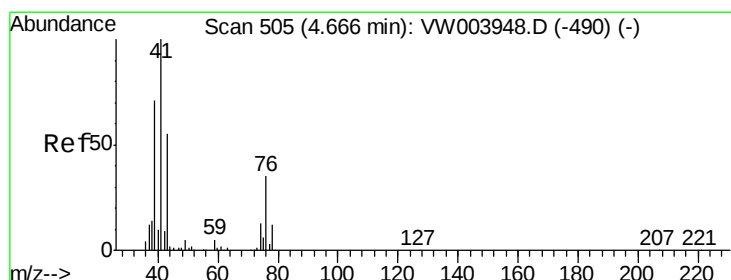
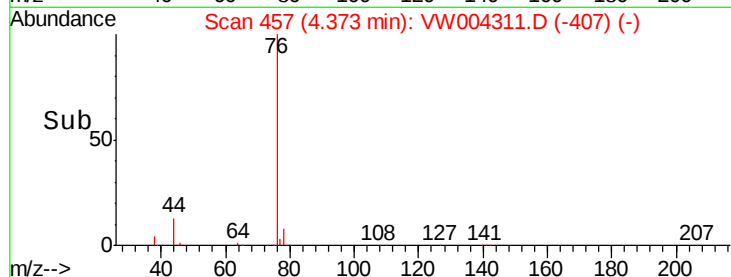
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 71.968 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.01 min

Lab File: VW004311.D

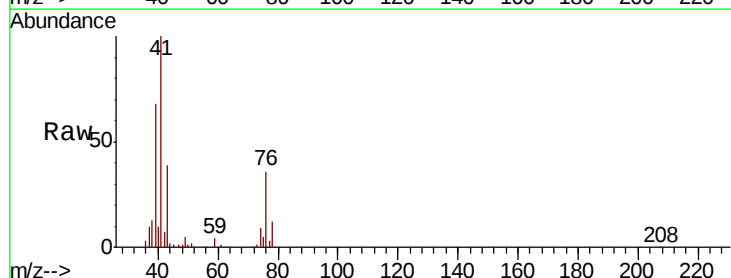
Acq: 29 Jul 2018 13:29

Tgt Ion: 43 Resp: 116015

Ion Ratio Lower Upper

43 100

74 23.3 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

40000

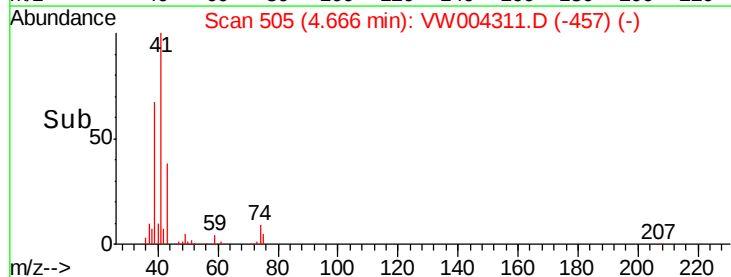
30000

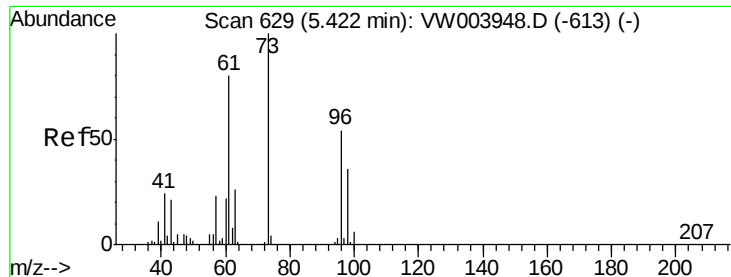
20000

10000

0

Time--> 4.50 4.60 4.70 4.80

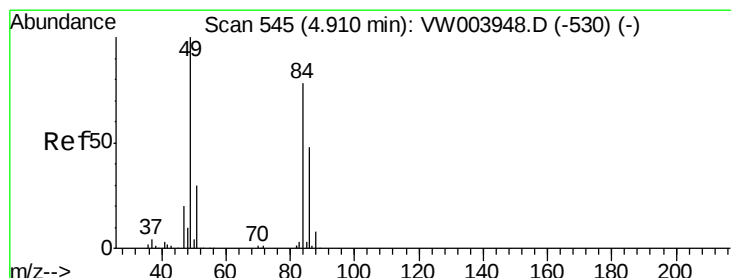
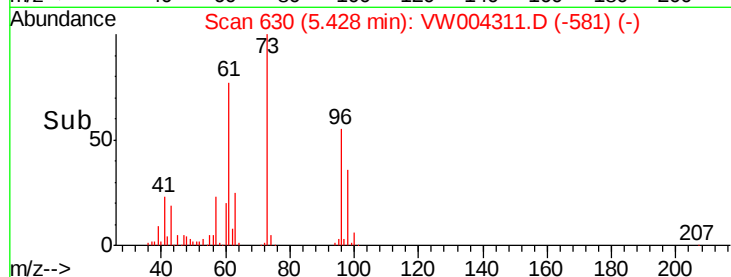
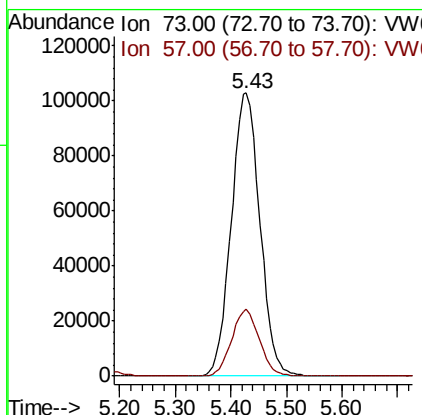
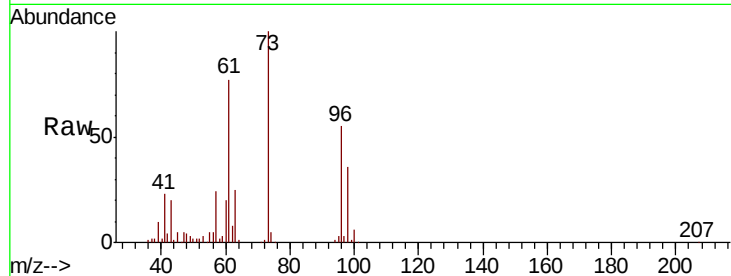




#19
Methvl tert-butvl Ether
Concen: 75.883 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

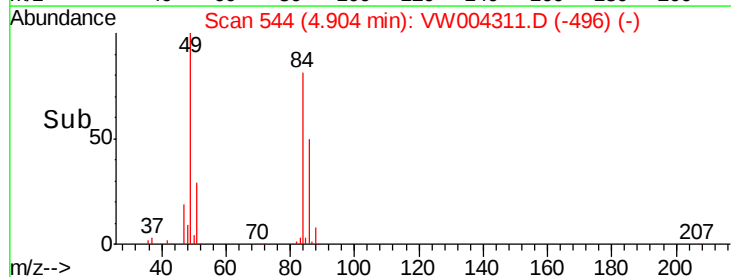
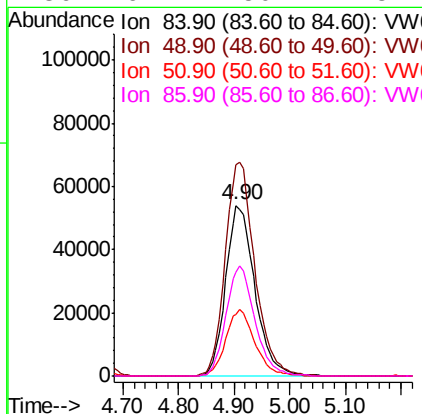
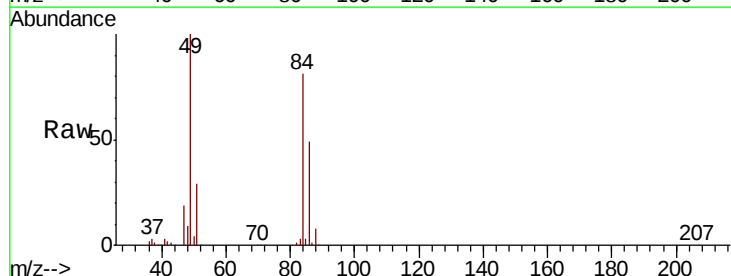
Instrument :
MSVOA_W
ClientSampled :

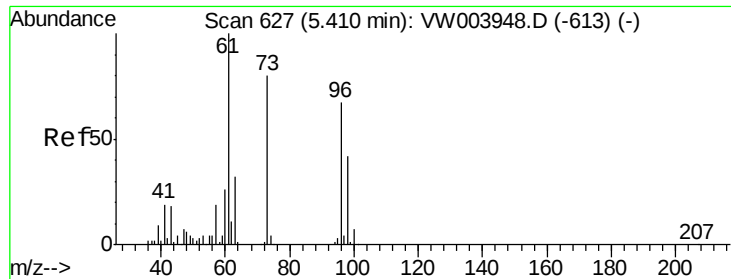
Tot Ion: 73 Resp: 366534
Ion Ratio Lower Upper
73 100
57 23.6 18.4 27.6



#20
Methylene Chloride
Concen: 67.163 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 84 Resp: 195857
Ion Ratio Lower Upper
84 100
49 123.8 100.5 150.7
51 35.8 30.9 46.3
86 61.1 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 71.352 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampled :

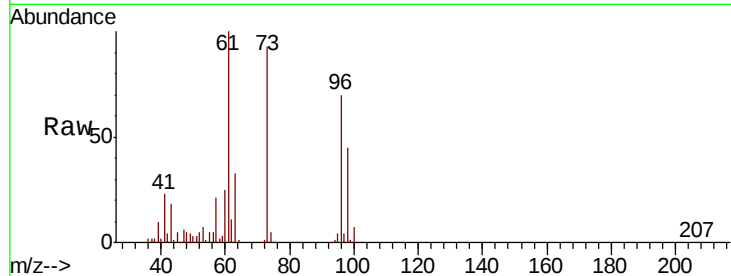
Tot Ion: 96 Resp: 206432

Ion Ratio Lower Upper

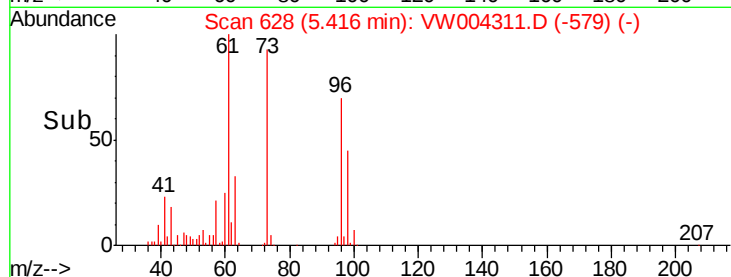
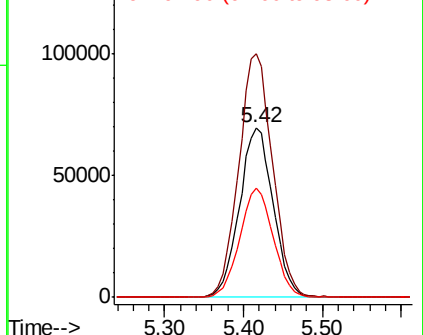
96 100

61 143.7 116.2 174.2

98 64.8 52.9 79.3



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: 77.039 ug/l

RT: 6.32 min Scan# 776

Delta R.T. 0.01 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Tgt Ion: 45 Resp: 632332

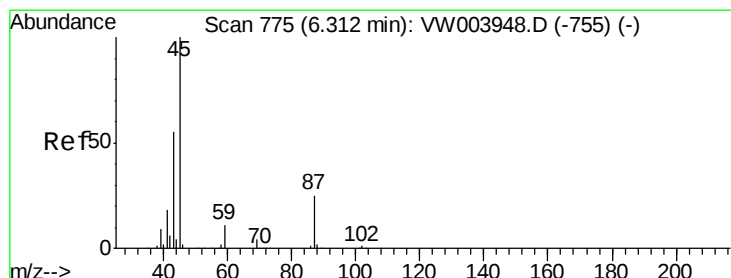
Ion Ratio Lower Upper

45 100

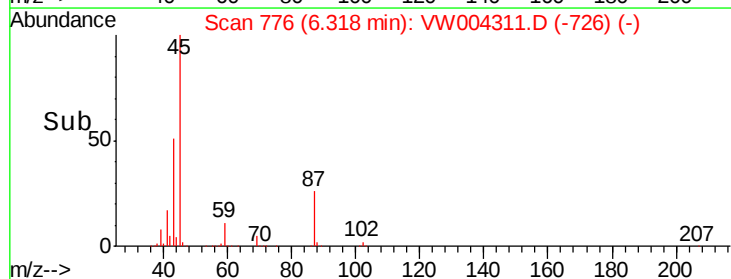
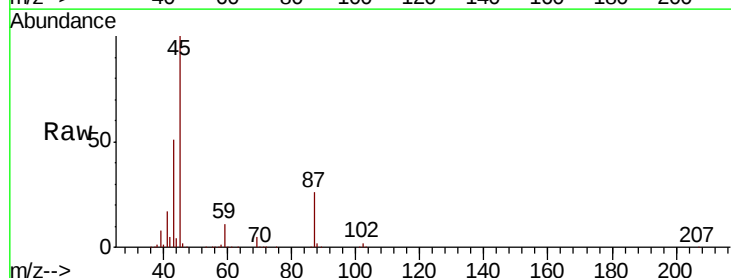
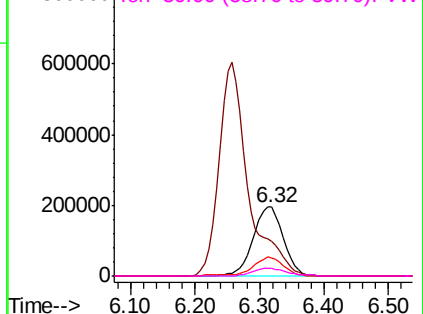
43 50.5 42.3 63.5

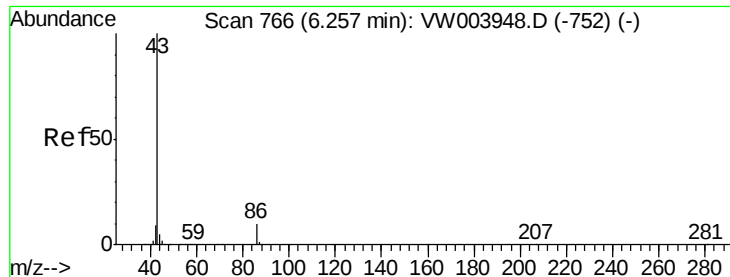
87 26.2 19.9 29.9

59 11.2 8.7 13.1



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: 405.244 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

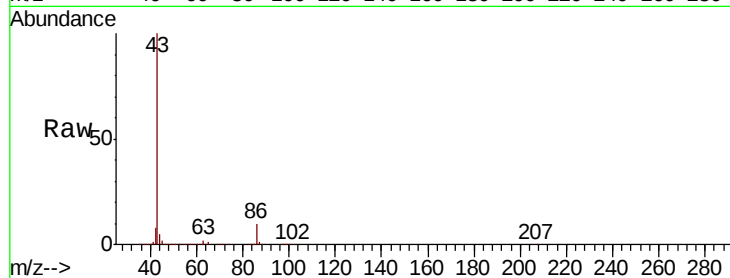
ClientSampleId :

Tot Ion: 43 Resp: 1929744

Ion Ratio Lower Upper

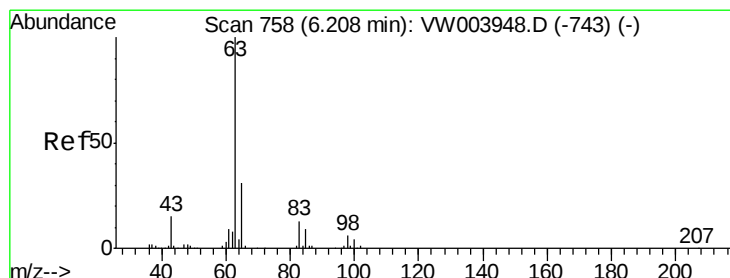
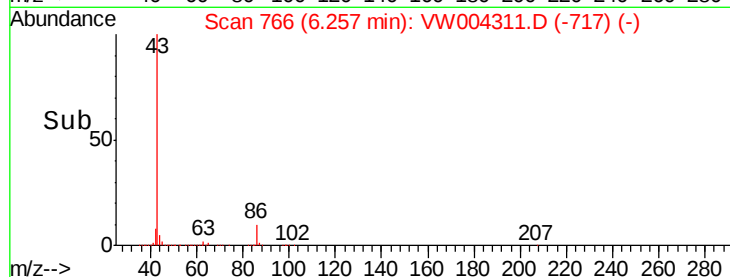
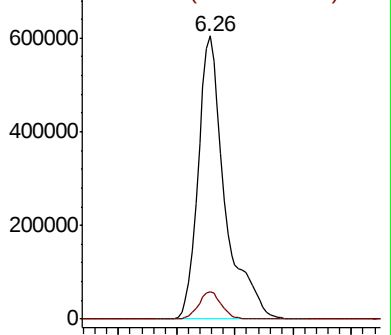
43 100

86 9.5 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 70.370 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

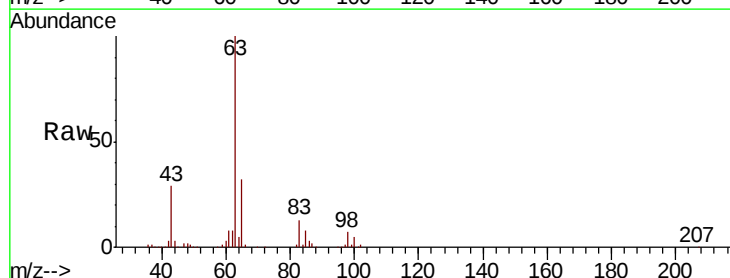
Tgt Ion: 63 Resp: 371980

Ion Ratio Lower Upper

63 100

98 6.7 3.2 9.6

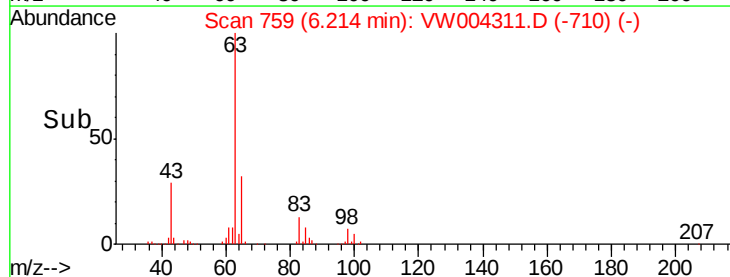
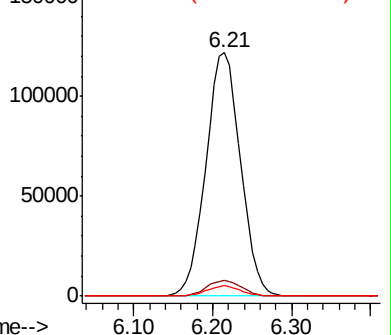
100 4.5 2.3 6.9

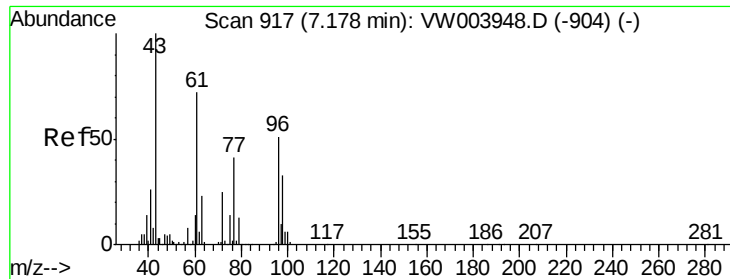


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

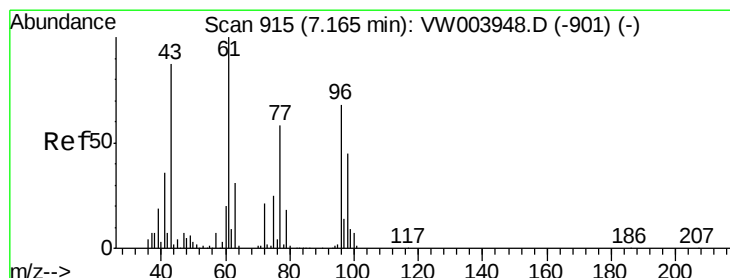
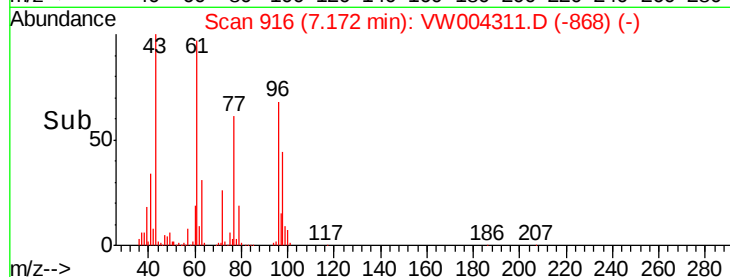
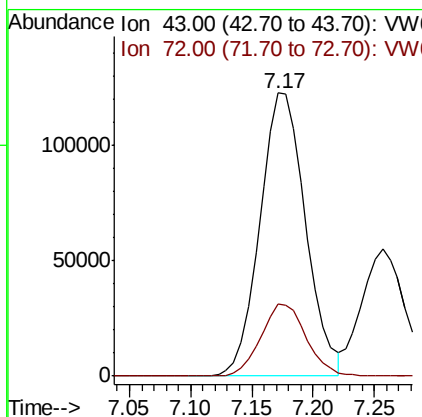
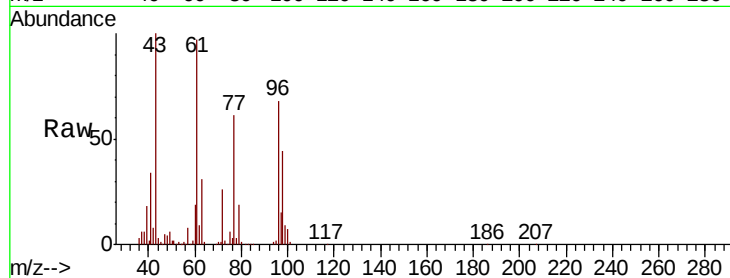




#25
2-Butanone
Concen: 419.343 ug/l
RT: 7.17 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

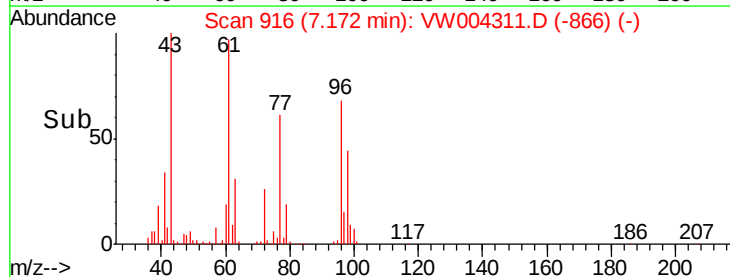
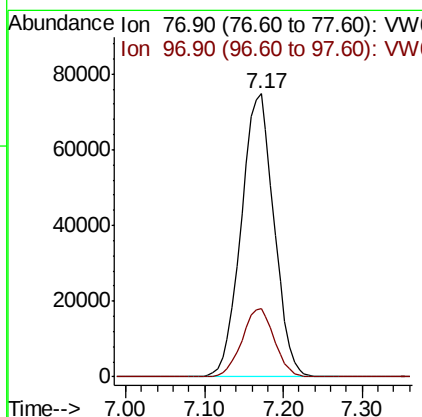
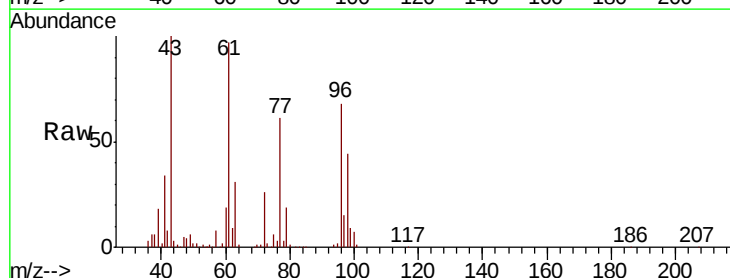
Instrument :
MSVOA_W
ClientSampled :

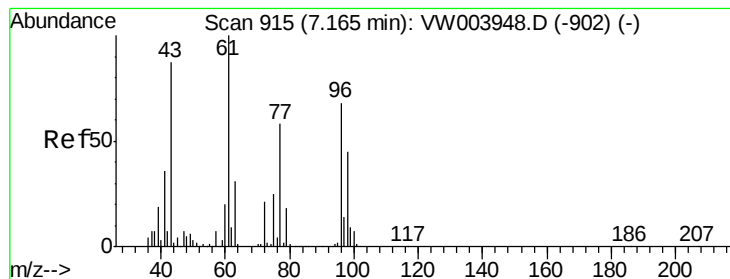
Tot Ion: 43 Resp: 318453
Ion Ratio Lower Upper
43 100
72 25.7 20.3 30.5



#26
2,2-Dichloropropane
Concen: 70.452 ug/l
RT: 7.17 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 77 Resp: 216058
Ion Ratio Lower Upper
77 100
97 23.8 11.7 35.1



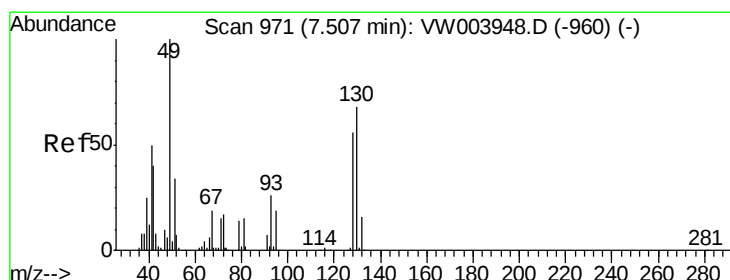
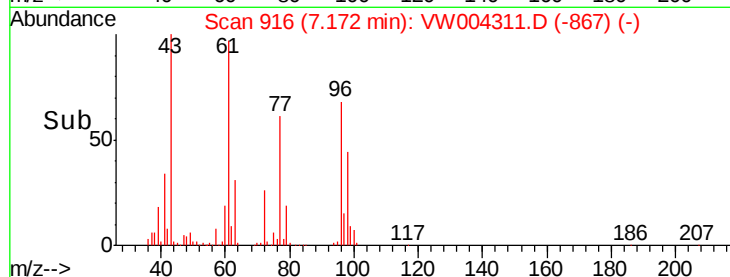
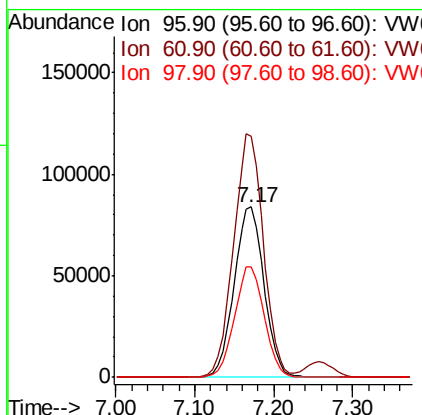
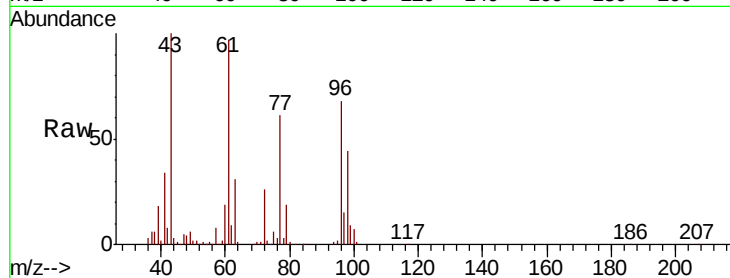


#27

cis-1,2-Dichloroethene
 Concen: 75.044 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampled :

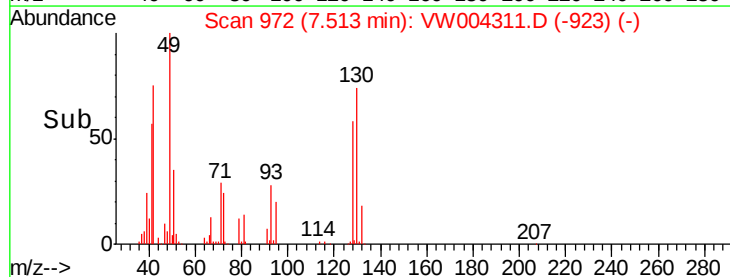
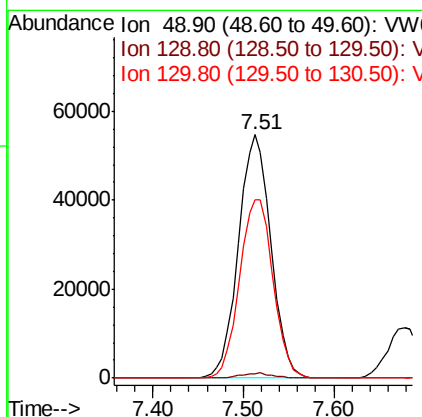
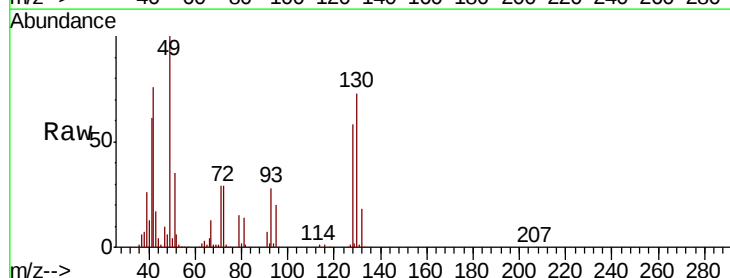
Tot Ion	96	Resp	220946
Ion Ratio	Lower	Upper	
96	100		
61	143.0	0.0	292.0
98	64.6	0.0	129.6

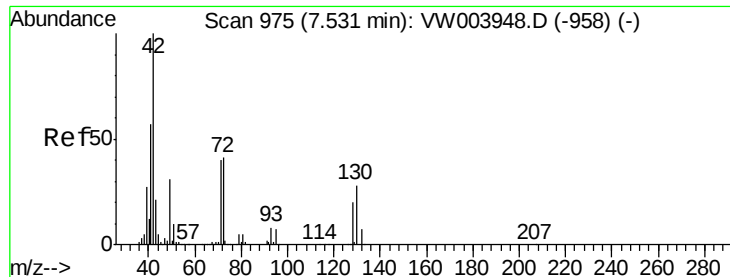


#28

Bromochloromethane
 Concen: 73.204 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion	49	Resp	135618
Ion Ratio	Lower	Upper	
49	100		
129	2.1	0.0	4.6
130	75.7	61.5	92.3





#29

Tetrahydrofuran

Concen: 417.725 ug/l

RT: 7.53 min Scan# 975

Delta R.T. 0.00 min

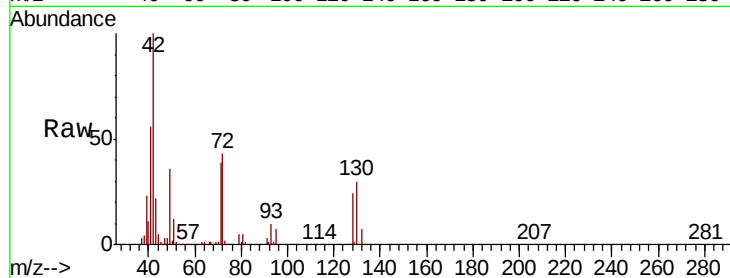
Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 202992

Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.6	48.8
71	39.5	31.3	46.9

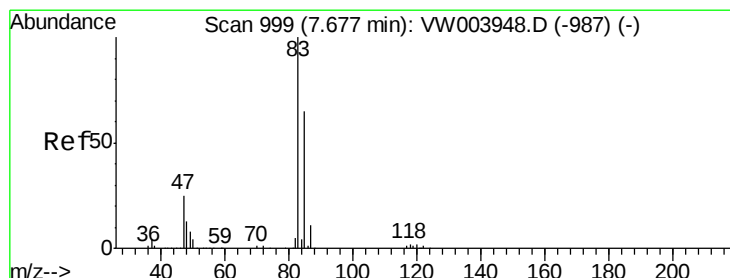
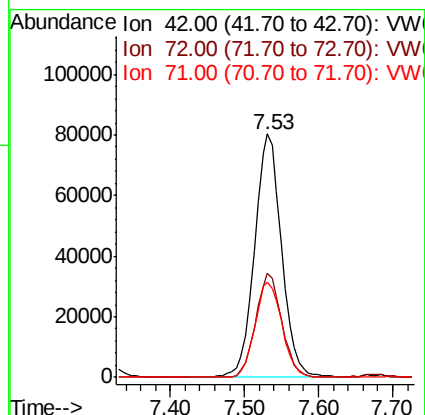
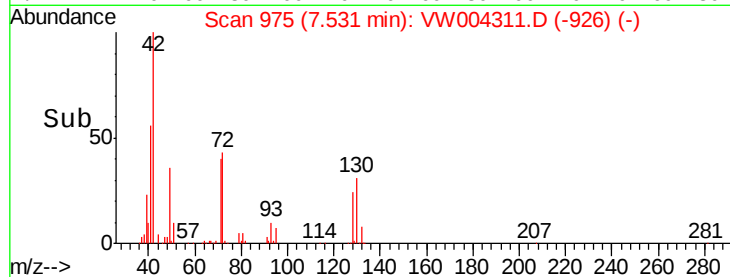


Abundance

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: 72.591 ug/l

RT: 7.68 min Scan# 999

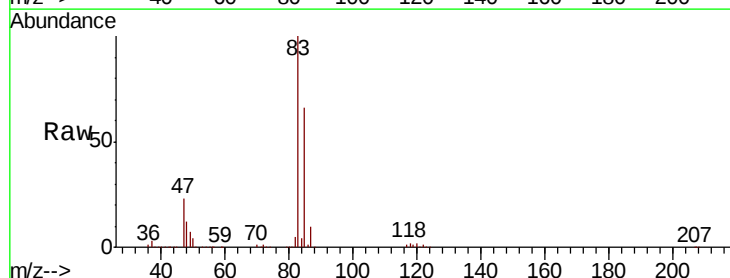
Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Tgt Ion: 83 Resp: 366516

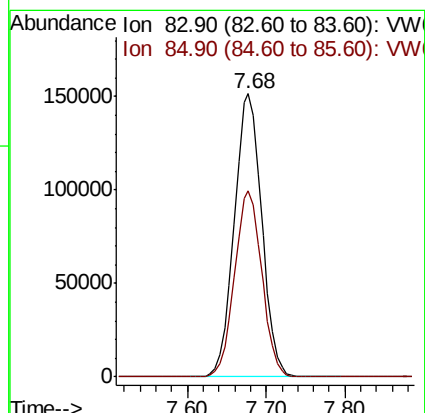
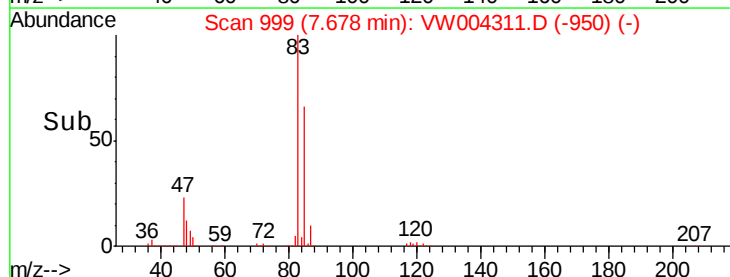
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.5	77.3

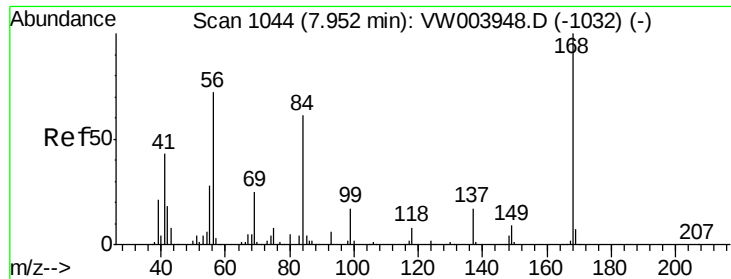


Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

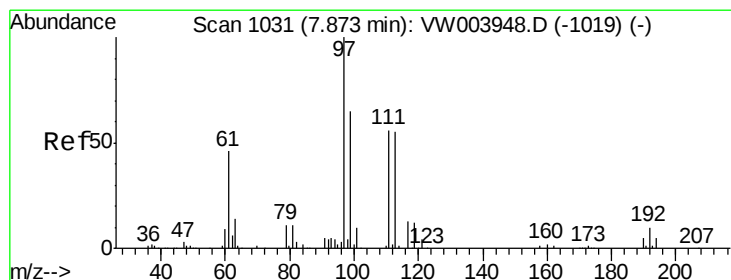
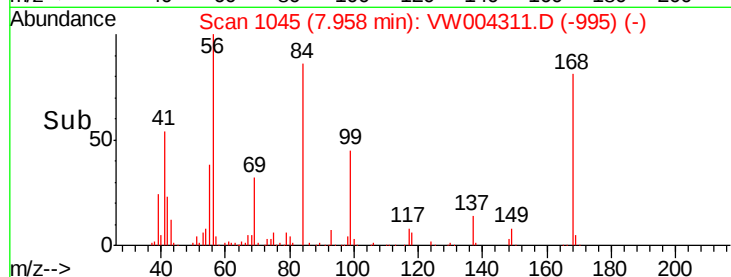
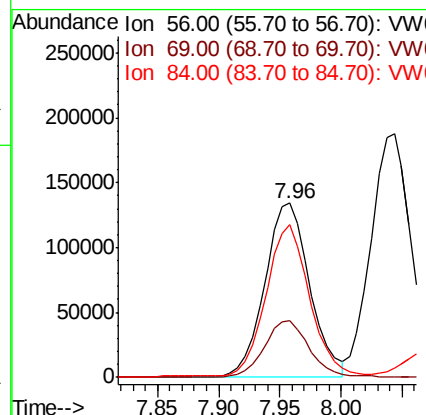
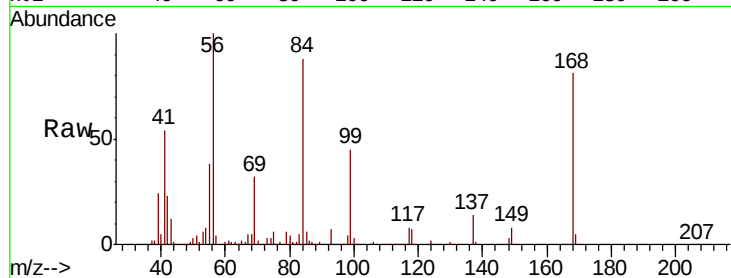




#31
Cyclohexane
Concen: 73.674 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

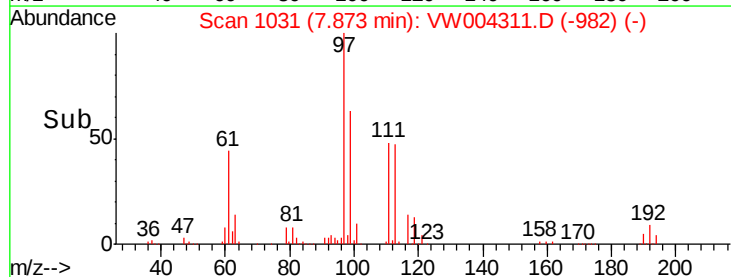
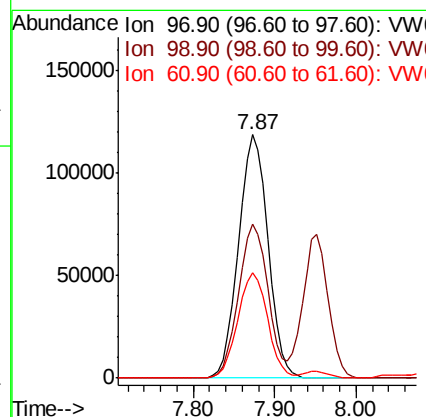
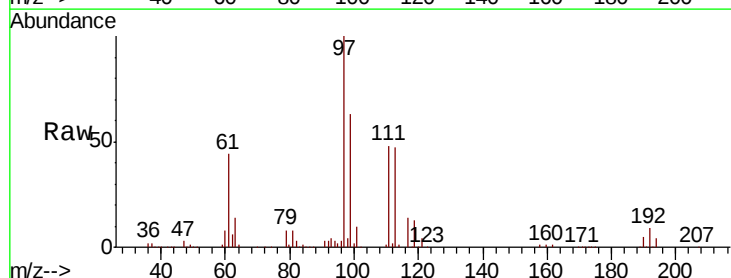
Instrument :
MSVOA_W
ClientSampled :

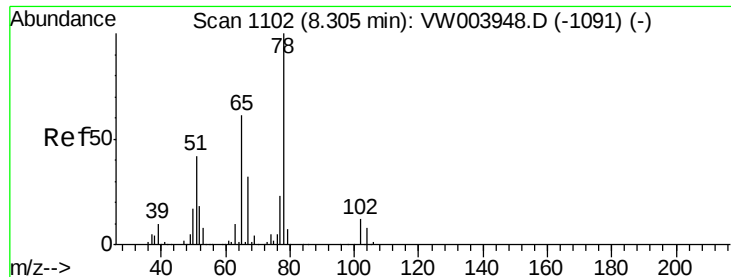
Tot Ion: 56 Resp: 343899
Ion Ratio Lower Upper
56 100
69 32.2 26.3 39.5
84 86.3 66.2 99.4



#32
1,1,1-Trichloroethane
Concen: 71.261 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 97 Resp: 295502
Ion Ratio Lower Upper
97 100
99 63.8 51.7 77.5
61 44.0 34.8 52.2

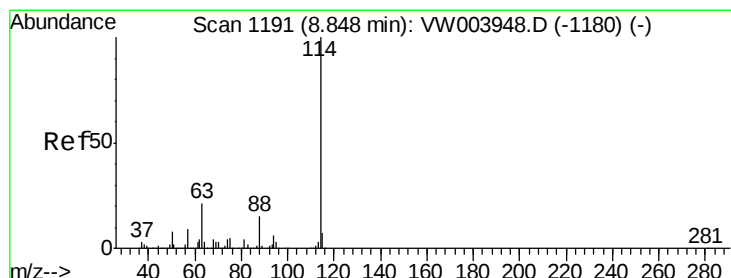
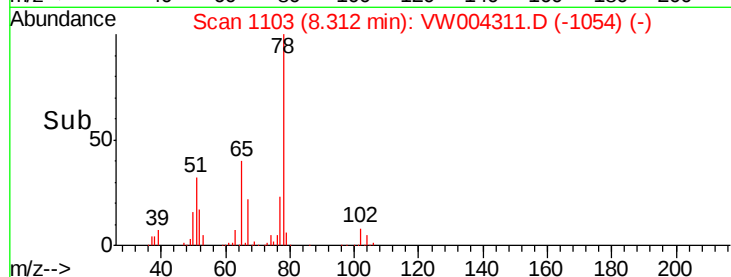
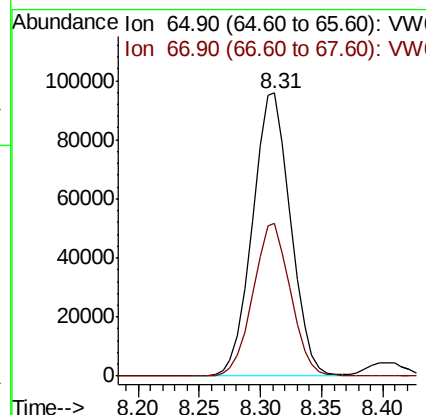
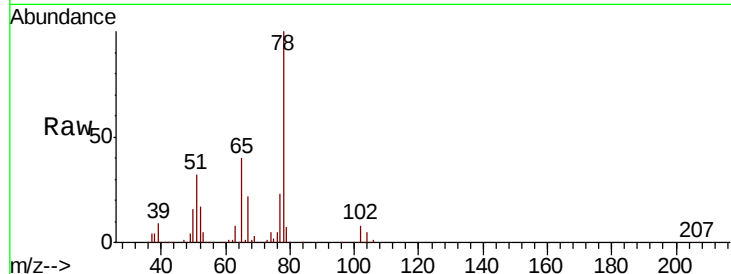




#33
 1,2-Dichloroethane-d4
 Concen: 76.017 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

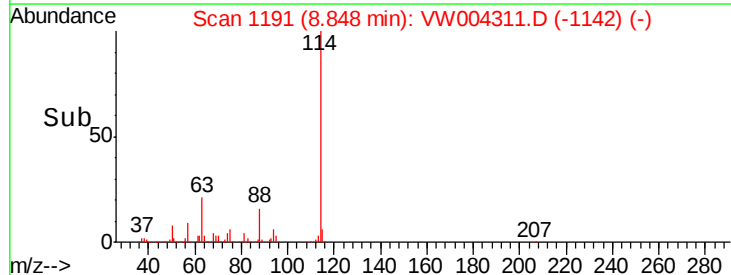
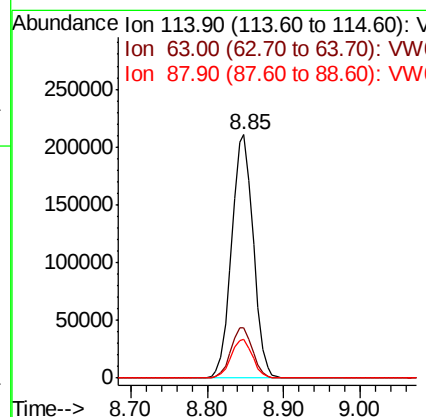
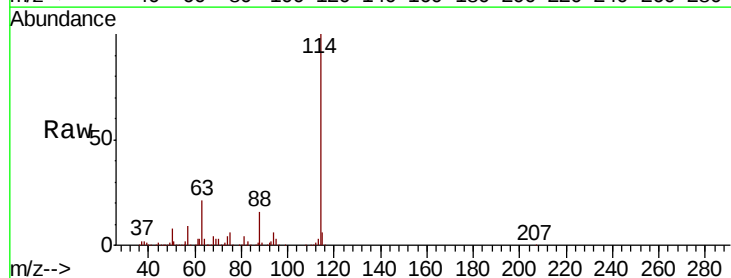
Instrument :
 MSVOA_W
 ClientSampleId :

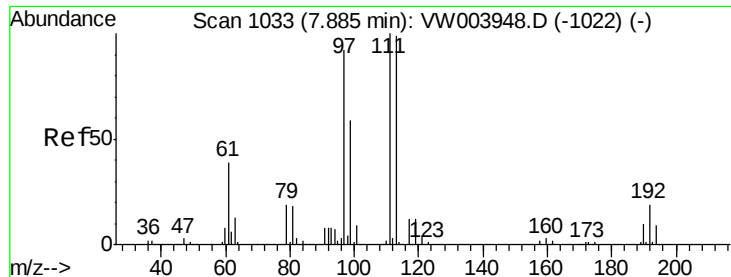
Tot Ion: 65 Resp: 207856
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 114 Resp: 411654
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.4
 88 16.2 0.0 30.6

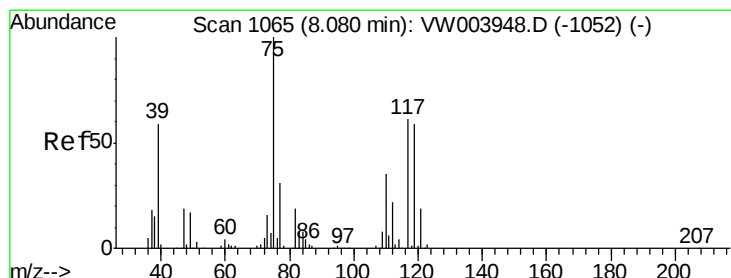
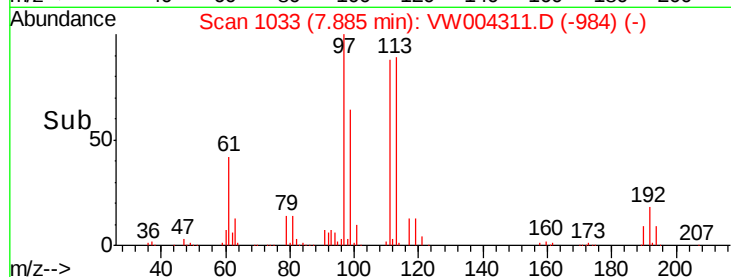
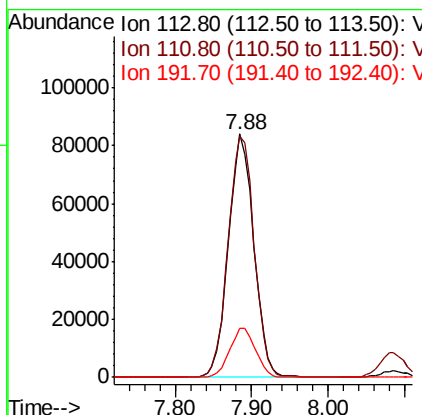
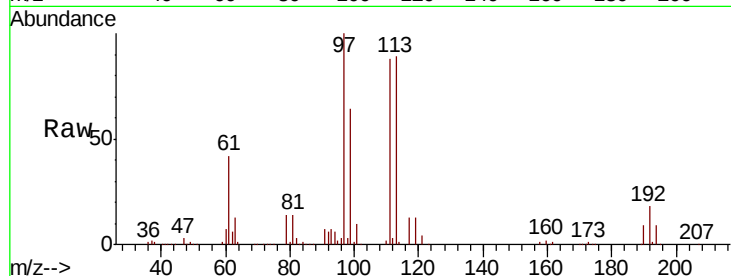




#35
 Dibromofluoromethane
 Concen: 74.089 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

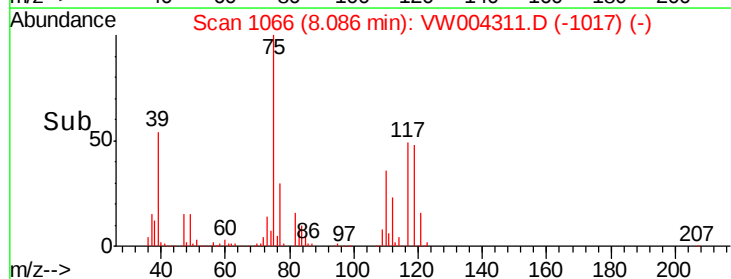
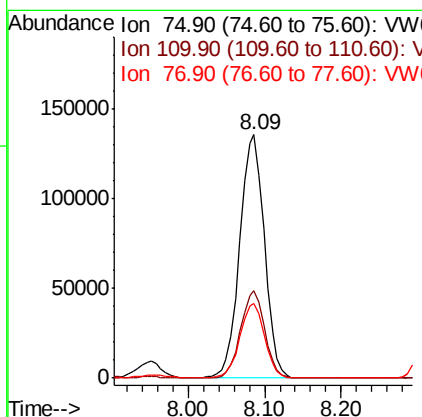
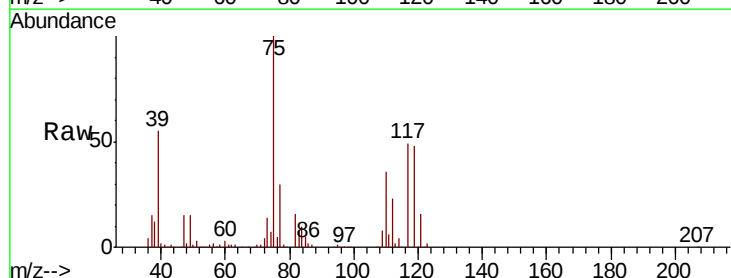
Instrument :
 MSVOA_W
 ClientSampled :

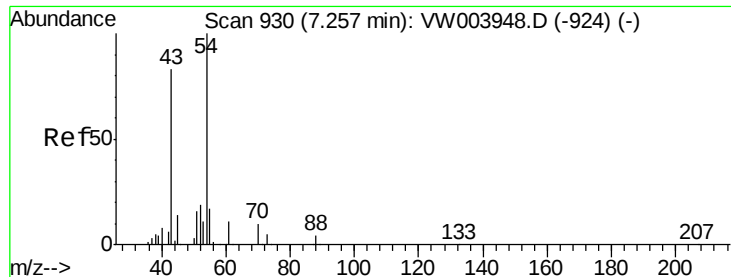
Tot Ion:113 Resp: 192741
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.1 123.1
 192 20.6 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 73.599 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 75 Resp: 303093
 Ion Ratio Lower Upper
 75 100
 110 35.1 17.3 52.0
 77 30.9 25.0 37.6

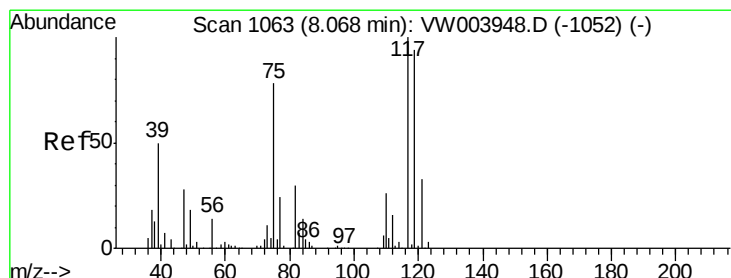
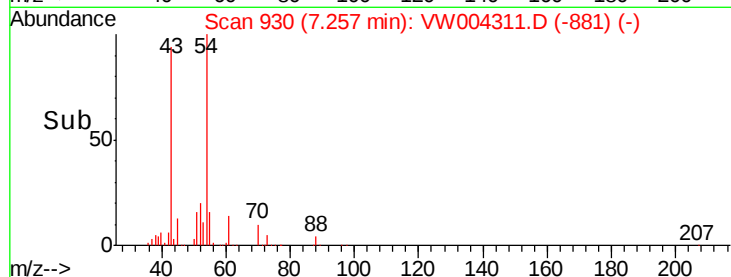
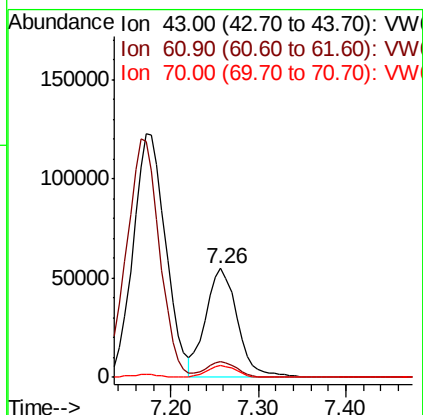
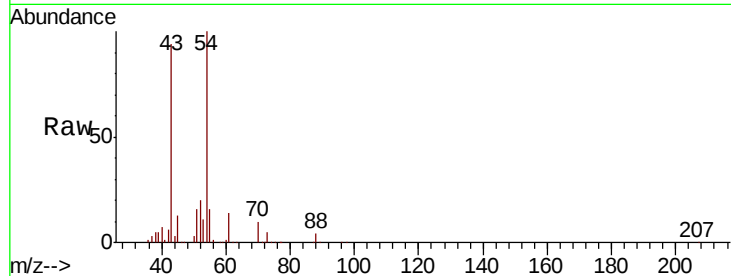




#37
Ethyl Acetate
Concen: 81.950 ug/l
RT: 7.26 min Scan# 930
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

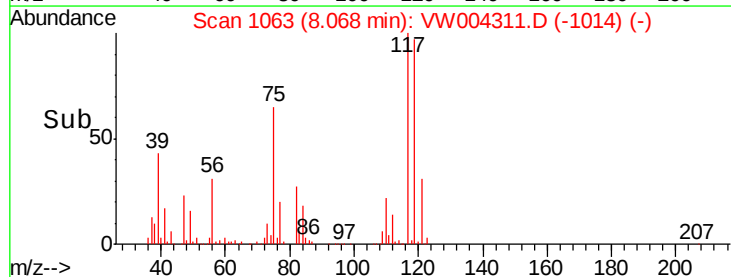
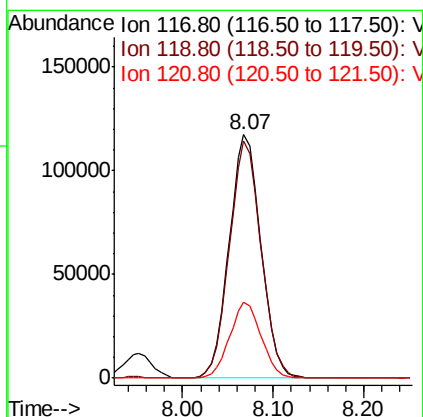
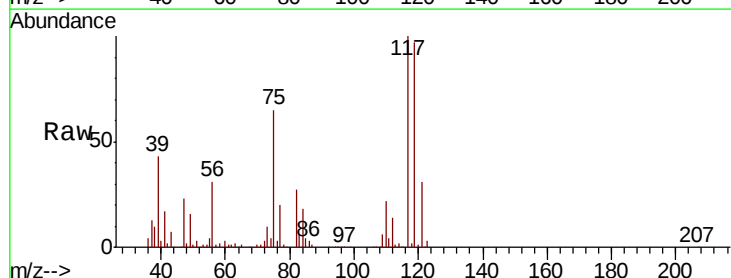
Instrument :
MSVOA_W
ClientSampleId :

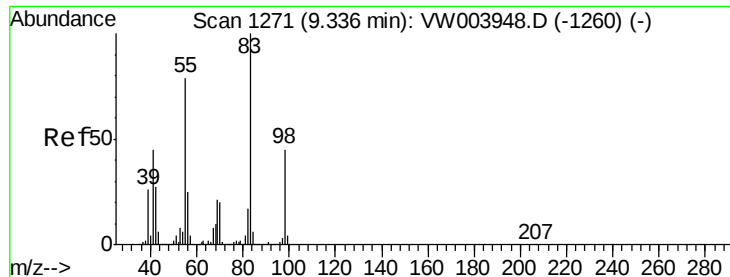
Tot Ion: 43 Resp: 138294
Ion Ratio Lower Upper
43 100
61 13.7 11.1 16.7
70 10.1 7.8 11.6



#38
Carbon Tetrachloride
Concen: 70.270 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 117 Resp: 285746
Ion Ratio Lower Upper
117 100
119 97.3 79.7 119.5
121 31.3 25.7 38.5

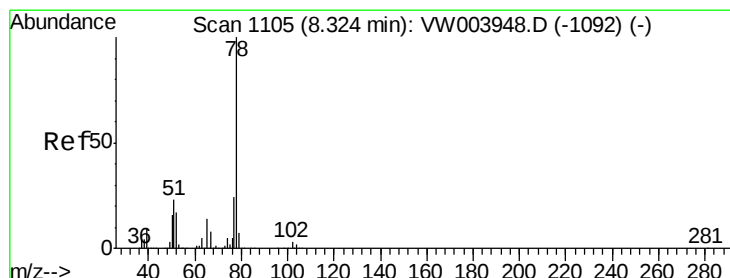
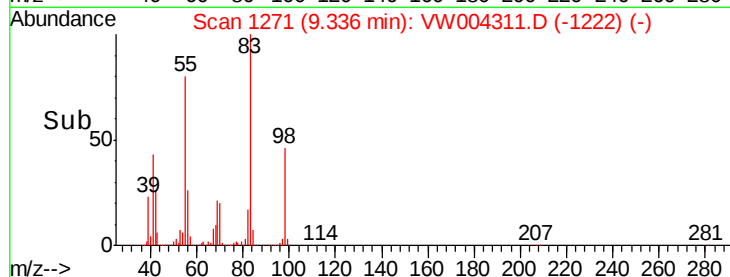
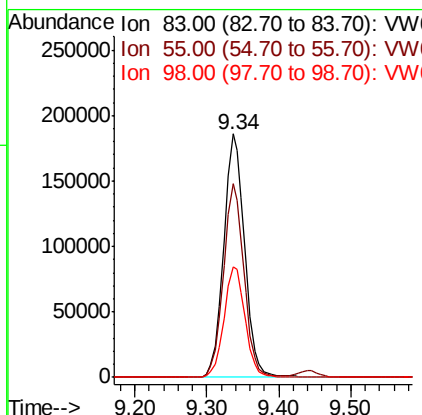
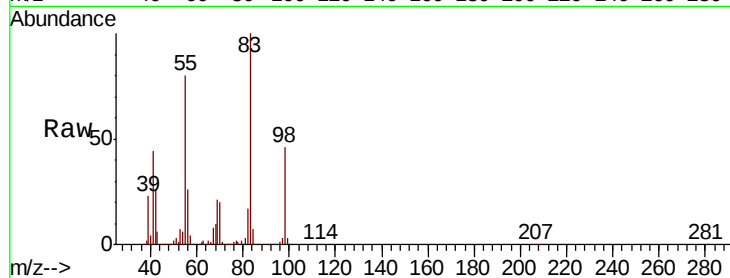




#39
Methvlcvclohexane
Concen: 75.880 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

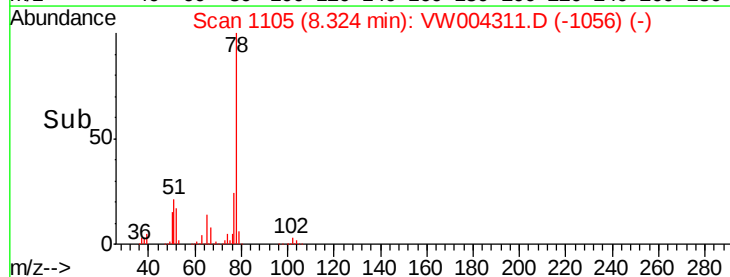
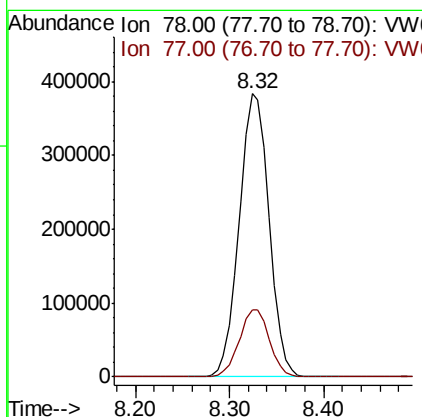
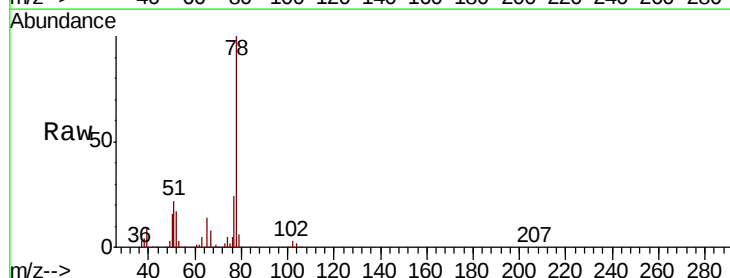
Instrument :
MSVOA_W
ClientSampleId :

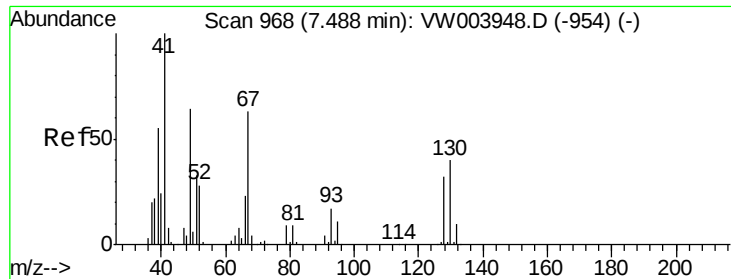
Tot Ion: 83 Resp: 376547
Ion Ratio Lower Upper
83 100
55 79.7 64.3 96.5
98 45.6 36.3 54.5



#40
Benzene
Concen: 73.395 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 78 Resp: 850281
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.0

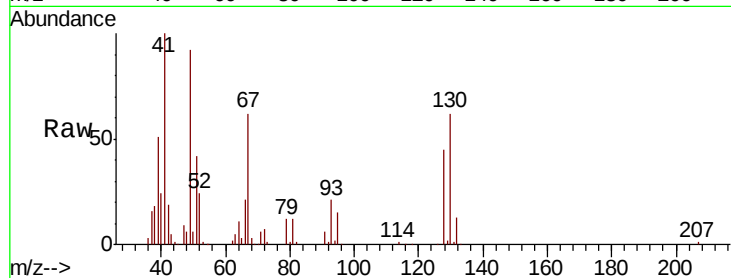




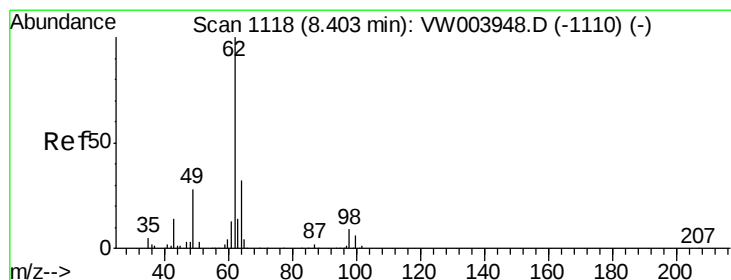
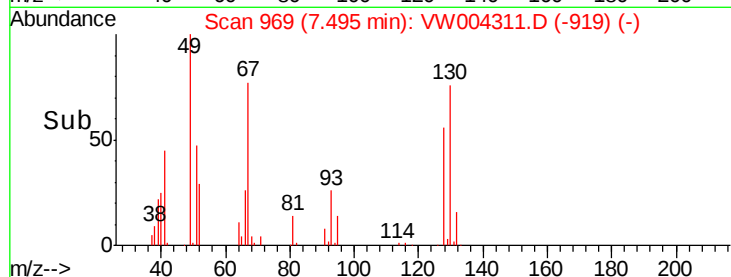
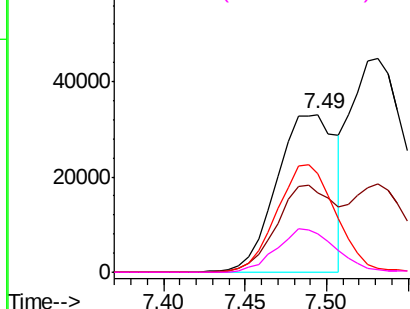
#41
Methacrylonitrile
Concen: 86.071 ug/l
RT: 7.49 min Scan# 969
Delta R.T. 0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	41	Resp:	83867
Ion	Ratio	Lower	Upper
41	100		
39	52.8	41.2	61.8
67	67.9	53.4	80.0
52	27.7	22.4	33.6

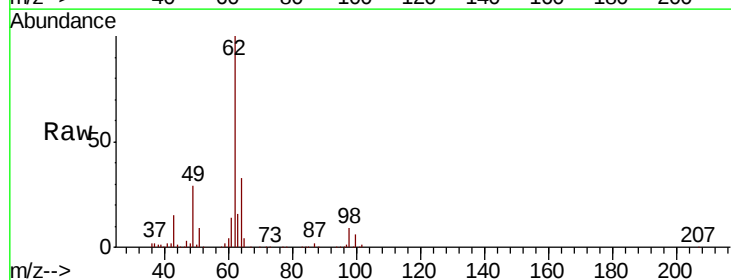


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

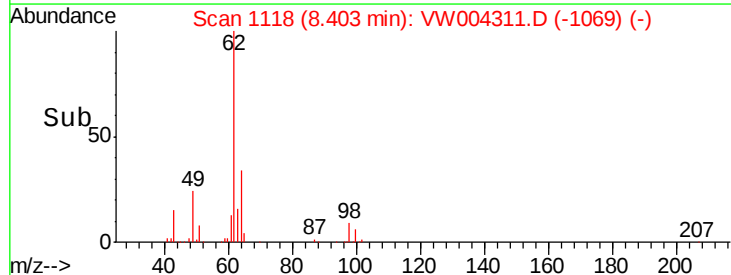
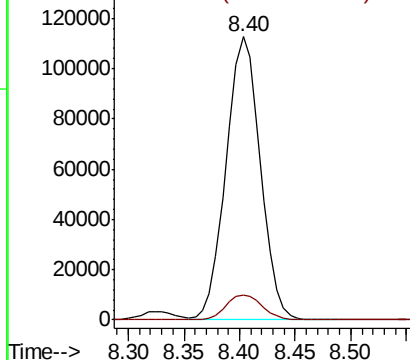


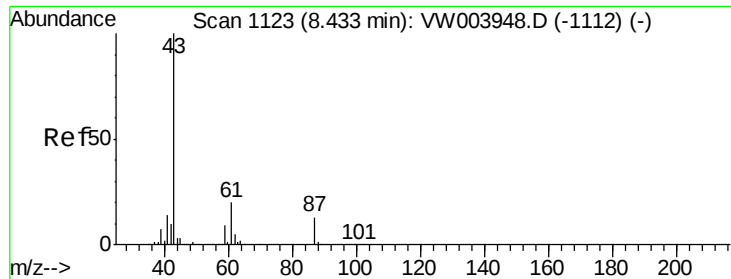
#42
1,2-Dichloroethane
Concen: 72.887 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion:	62	Resp:	241406
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.4



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 83.841 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

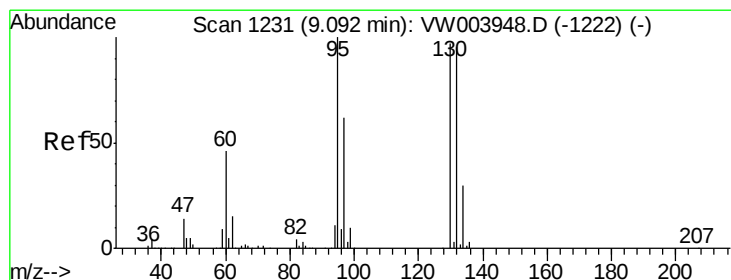
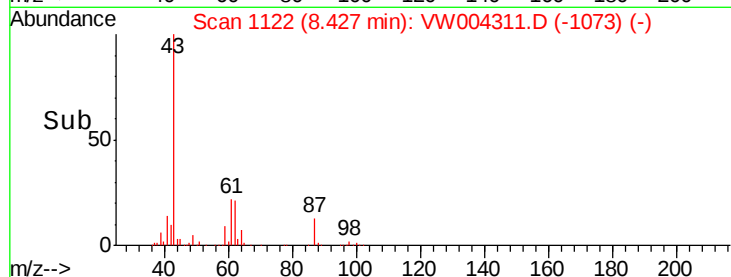
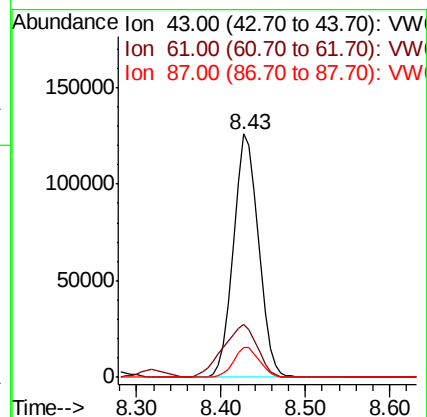
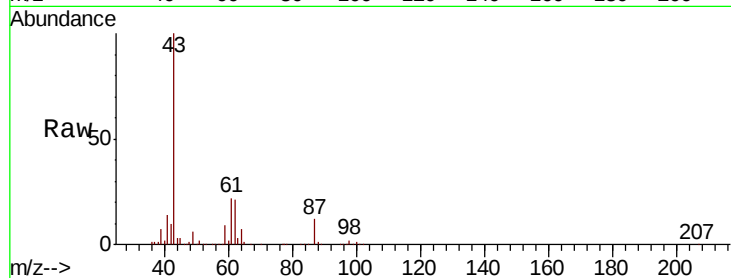
Tot Ion: 43 Resp: 254997

Ion Ratio Lower Upper

43 100

61 29.9 24.5 36.7

87 12.7 10.4 15.6



#44

Trichloroethene

Concen: 70.427 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004311.D

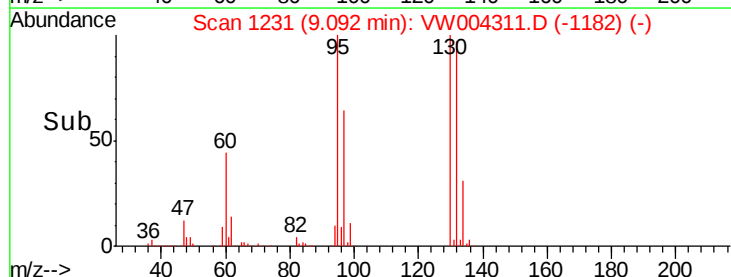
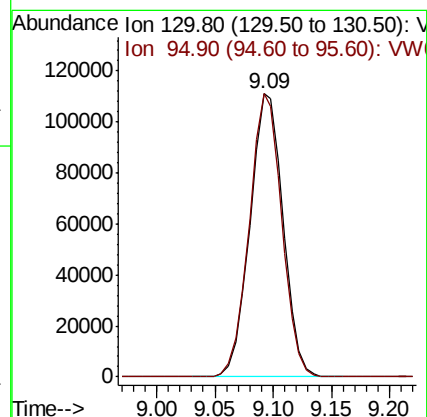
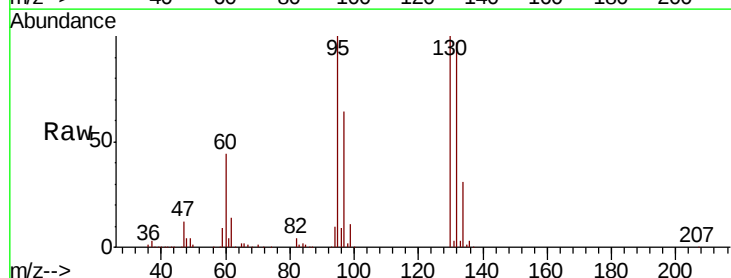
Acq: 29 Jul 2018 13:29

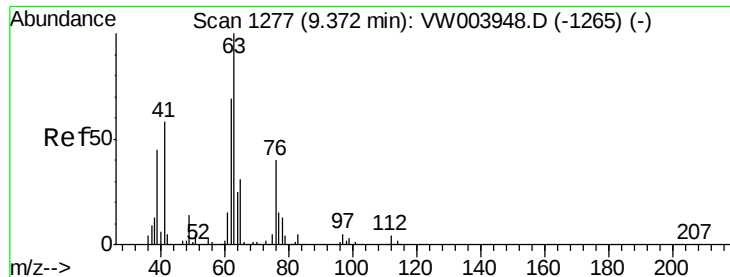
Tgt Ion: 130 Resp: 220272

Ion Ratio Lower Upper

130 100

95 99.9 0.0 199.4

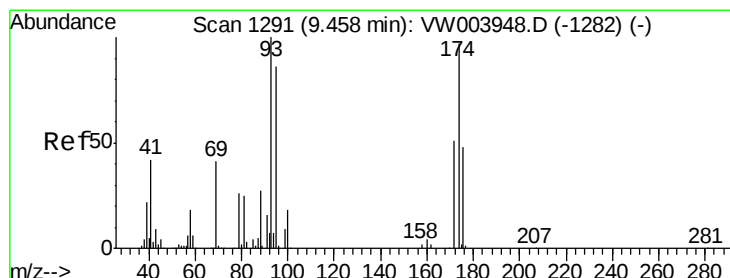
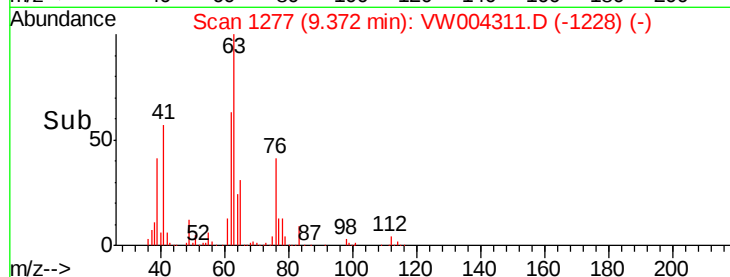
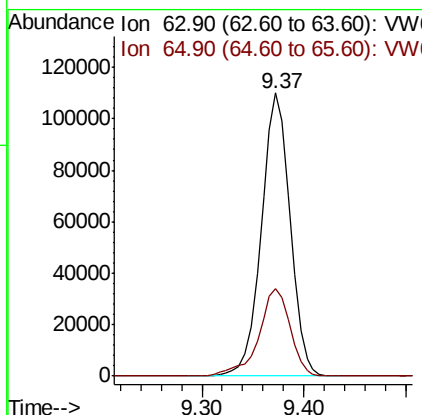
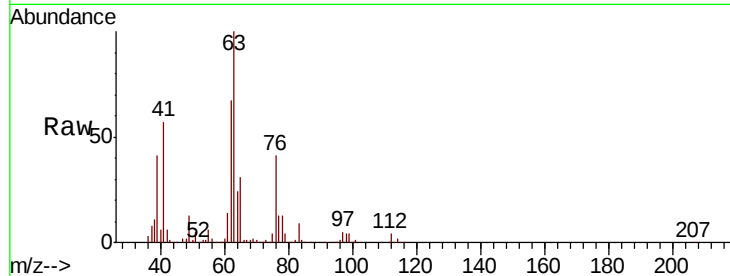




#45
 1,2-Dichloropropane
 Concen: 74.842 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

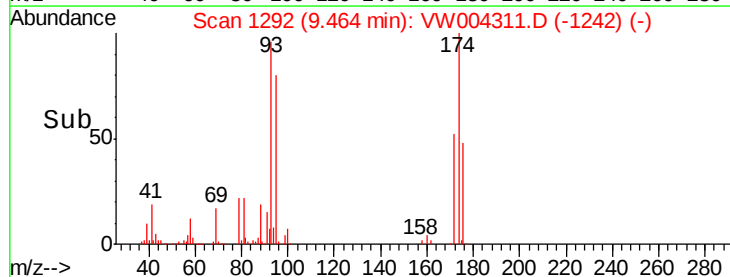
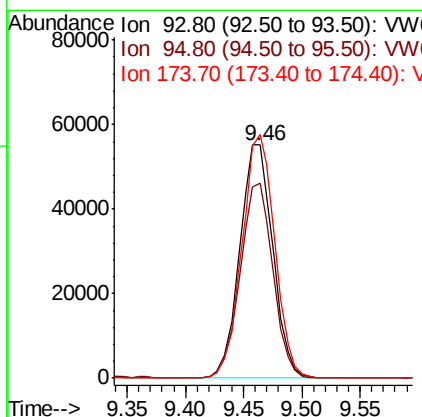
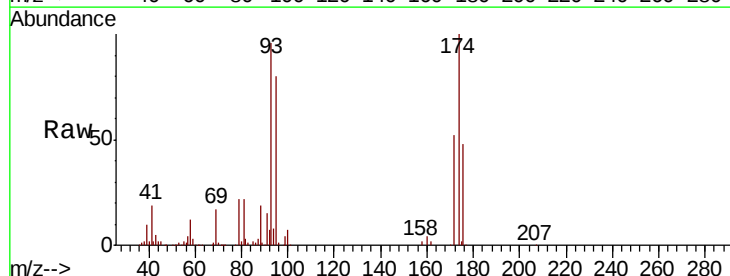
Instrument :
 MSVOA_W
 ClientSampled :

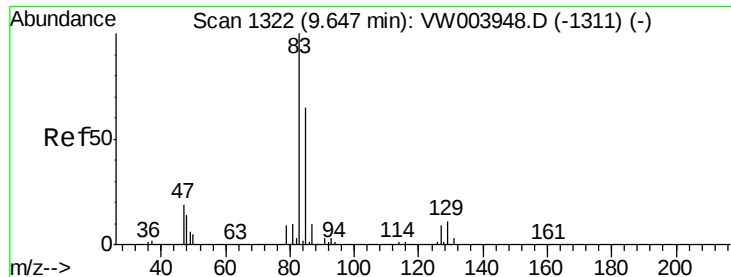
Tot Ion: 63 Resp: 215154
 Ion Ratio Lower Upper
 63 100
 65 31.1 23.9 35.9



#46
 Dibromomethane
 Concen: 74.460 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 93 Resp: 109303
 Ion Ratio Lower Upper
 93 100
 95 82.9 65.8 98.8
 174 103.4 83.7 125.5

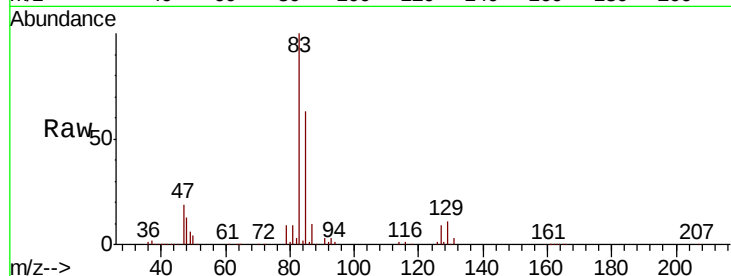




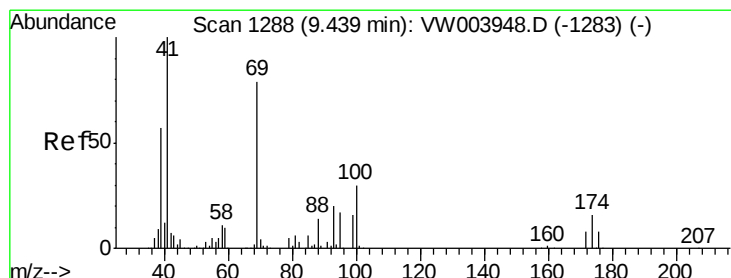
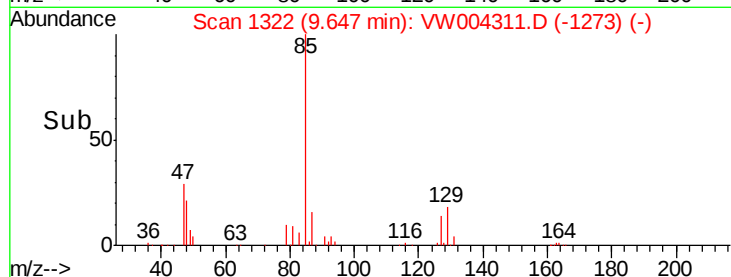
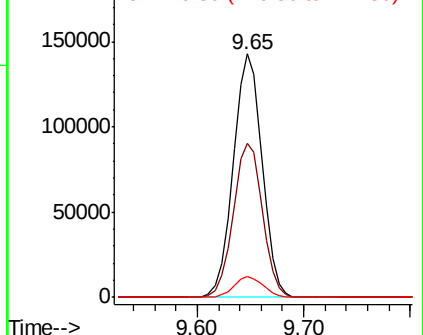
#47
 Bromodichloromethane
 Concen: 72.810 ug/l
 RT: 9.65 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 83 Resp: 271094
 Ion Ratio Lower Upper
 83 100
 85 63.4 51.3 76.9
 127 8.7 6.6 9.8

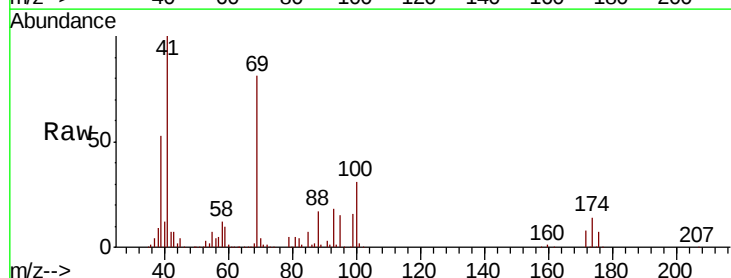


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): VW

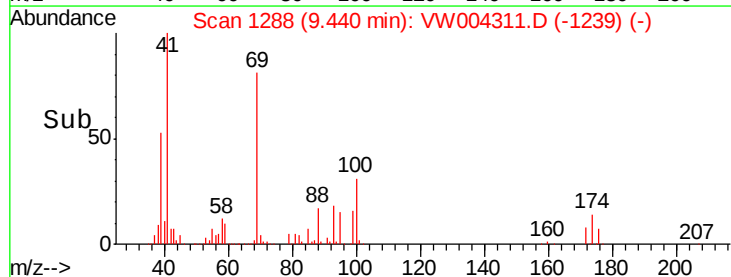
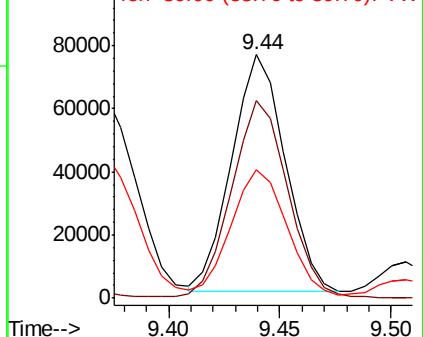


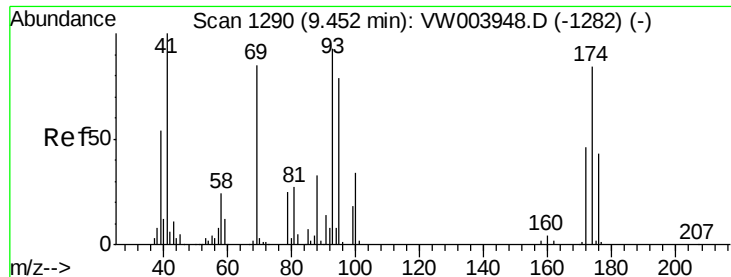
#48
 Methyl methacrylate
 Concen: 81.660 ug/l
 RT: 9.44 min Scan# 1288
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 41 Resp: 126491
 Ion Ratio Lower Upper
 41 100
 69 87.5 69.7 104.5
 39 53.9 41.8 62.8



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: 1646.263 ug/l

RT: 9.45 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :
MSVOA_W
ClientSampled :

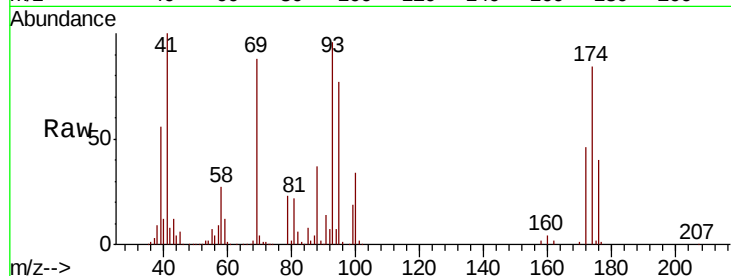
Tot Ion: 88 Resp: 36635

Ion Ratio Lower Upper

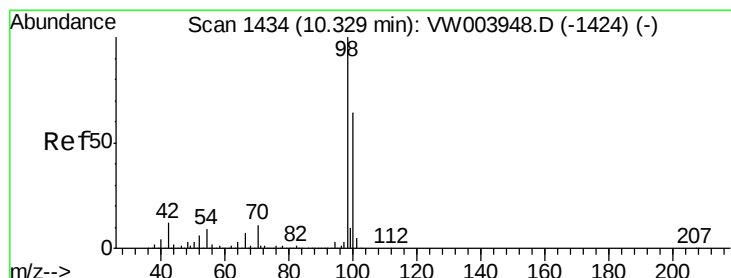
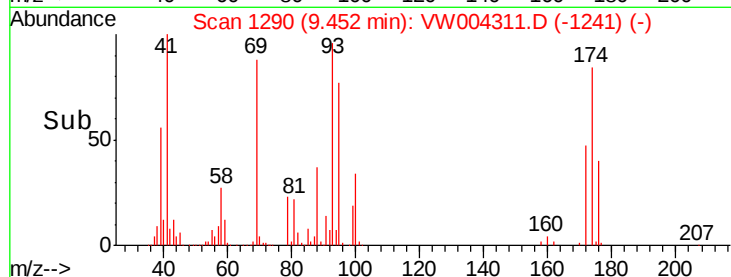
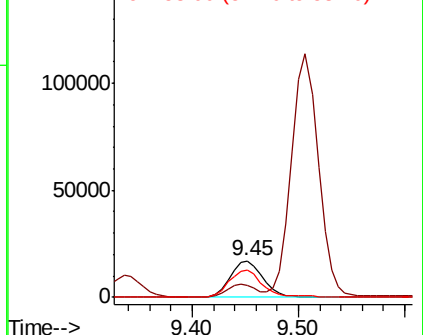
88 100

43 32.3 28.3 42.5

58 77.4 60.2 90.4



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



#50

Toluene-d8

Concen: 75.016 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004311.D

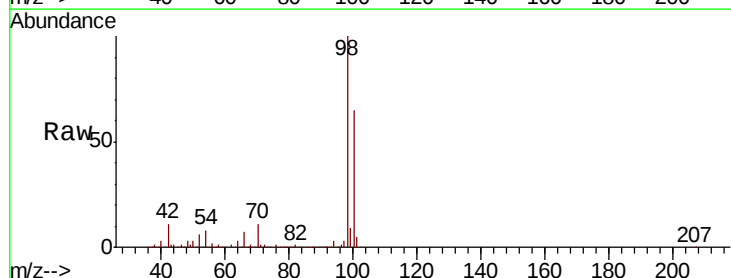
Acq: 29 Jul 2018 13:29

Tgt Ion: 98 Resp: 771263

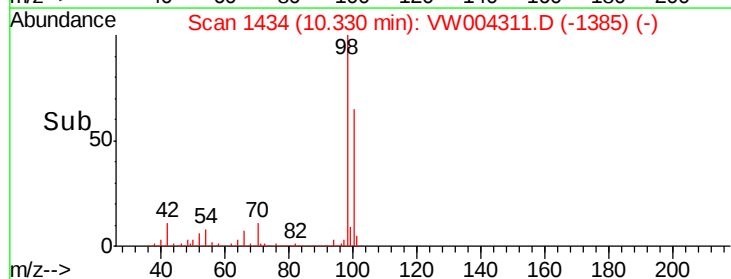
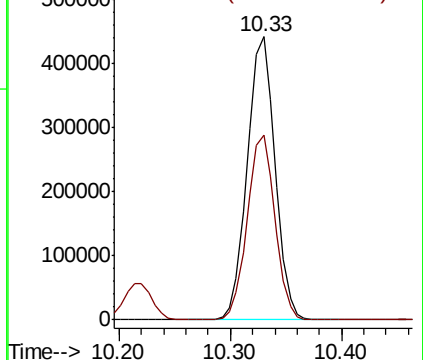
Ion Ratio Lower Upper

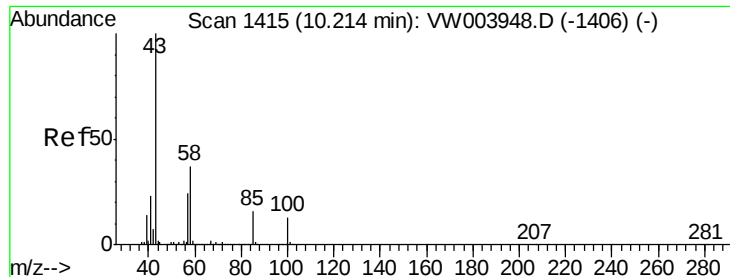
98 100

100 65.0 51.5 77.3



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: 413.606 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

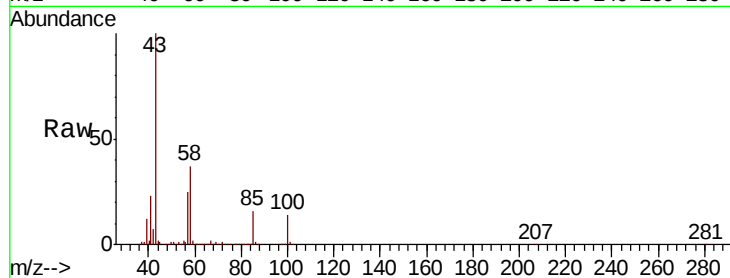
ClientSampled :

Tot Ion: 43 Resp: 690399

Ion Ratio Lower Upper

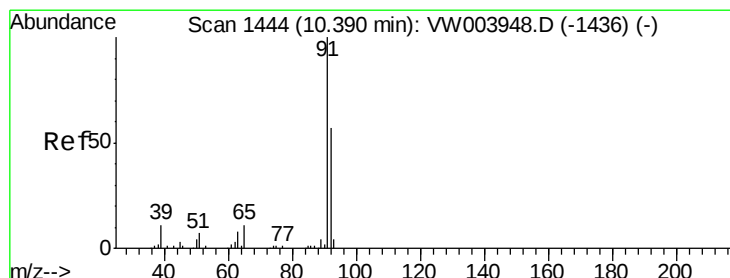
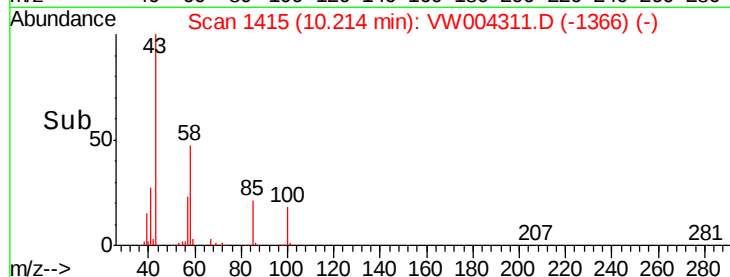
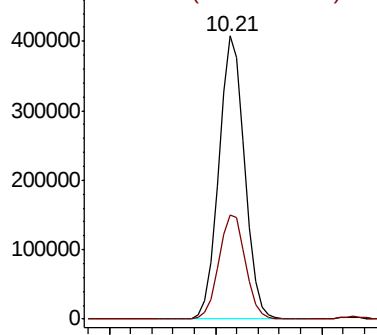
43 100

58 38.2 30.6 45.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 72.889 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW004311.D

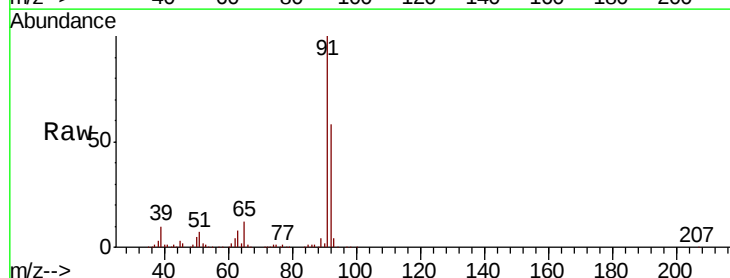
Acq: 29 Jul 2018 13:29

Tgt Ion: 92 Resp: 530168

Ion Ratio Lower Upper

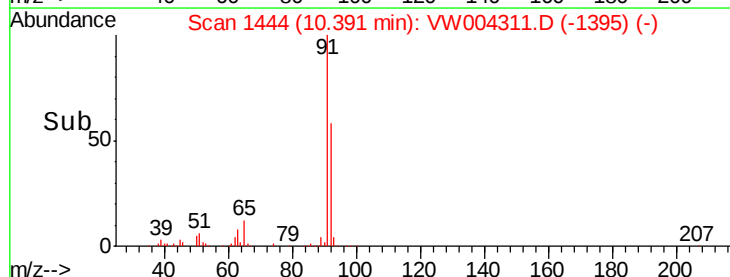
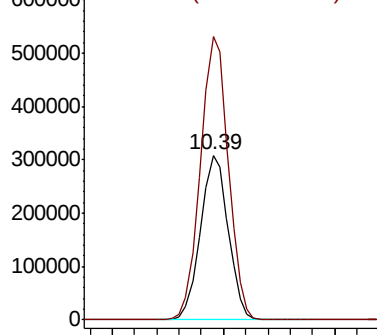
92 100

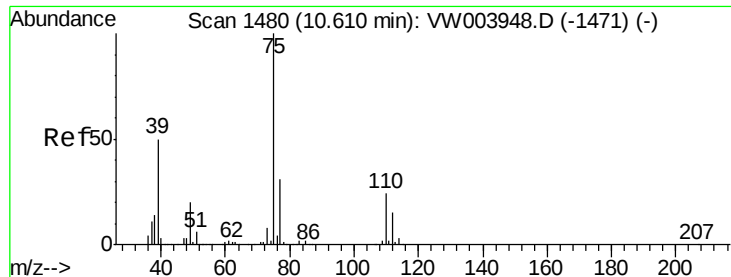
91 173.8 139.0 208.4



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: 77.185 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

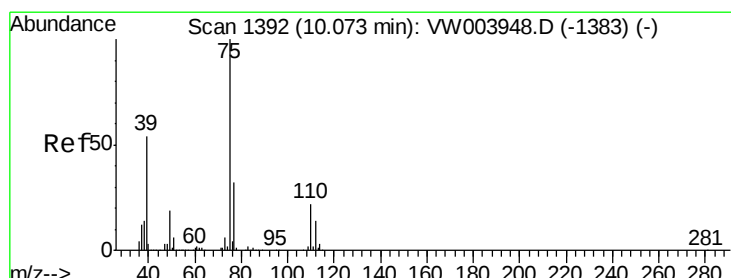
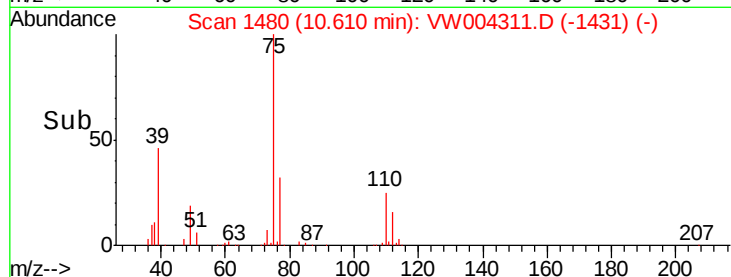
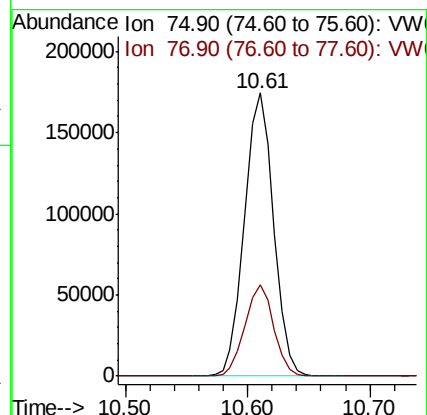
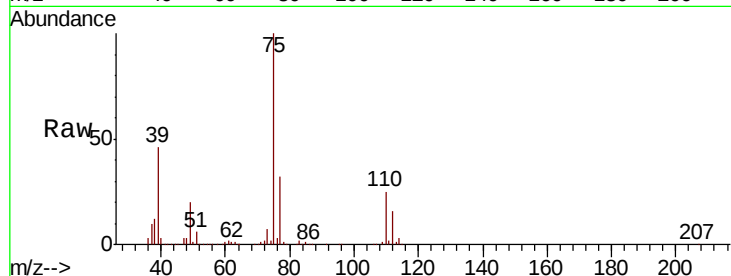
ClientSampled :

Tot Ion: 75 Resp: 287833

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 76.606 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.01 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

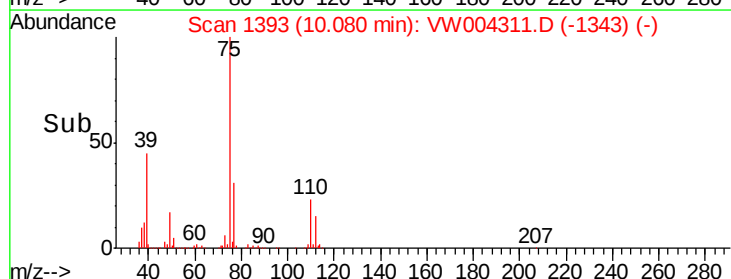
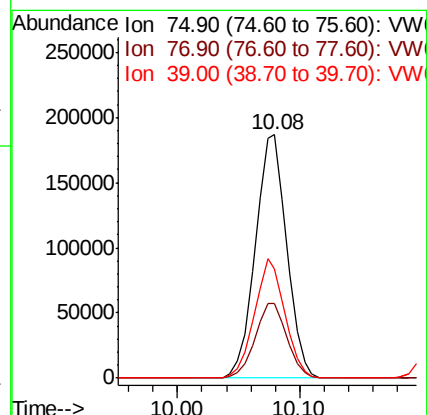
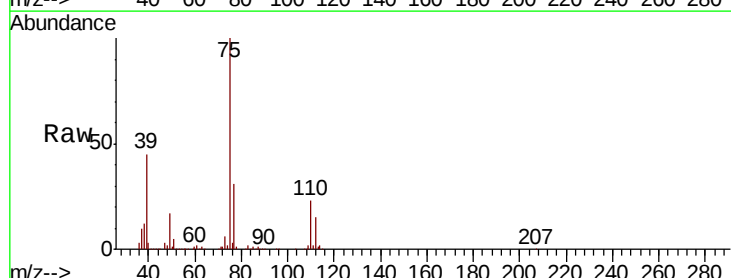
Tgt Ion: 75 Resp: 333044

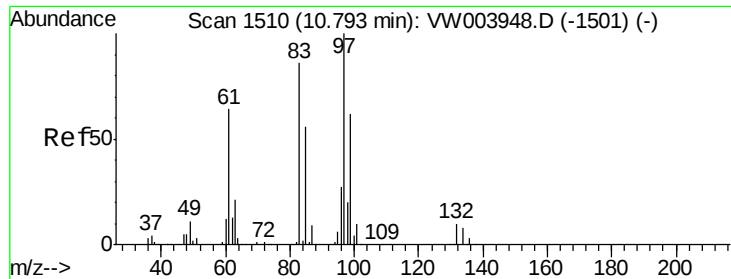
Ion Ratio Lower Upper

75 100

77 30.5 25.0 37.4

39 45.0 39.0 58.6

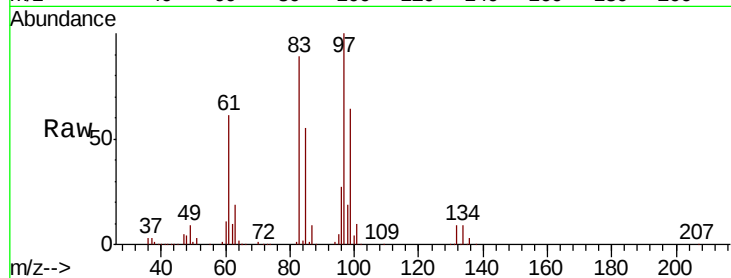




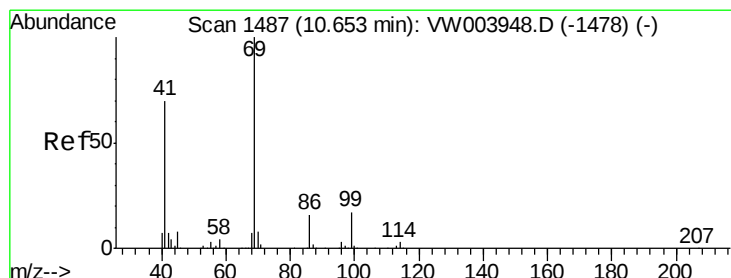
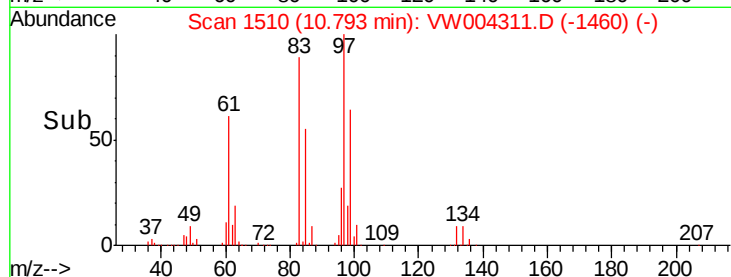
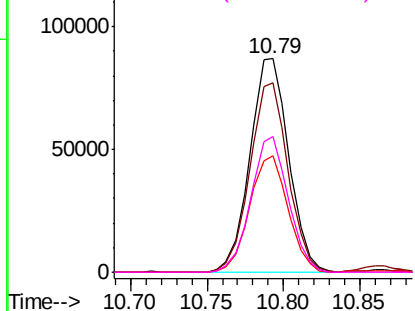
#55
 1,1,2-Trichloroethane
 Concen: 73.141 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.01 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	152977
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.8	106.2
85	54.8	43.7	65.5
99	63.8	45.1	67.7

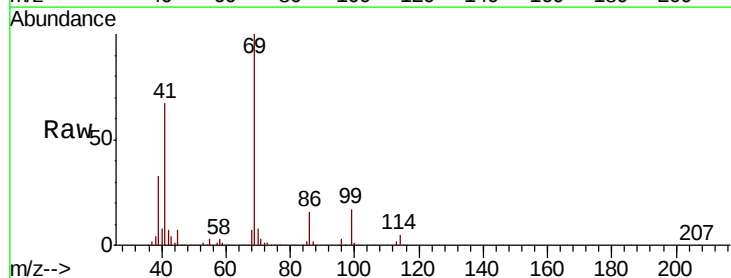


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

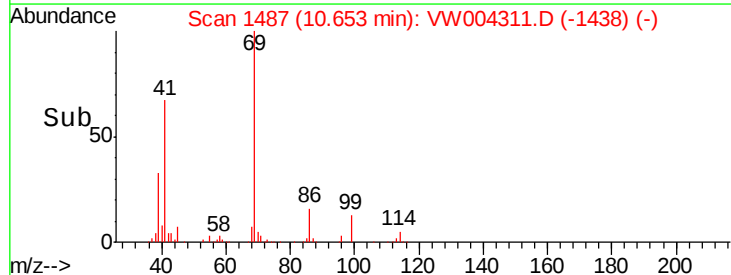
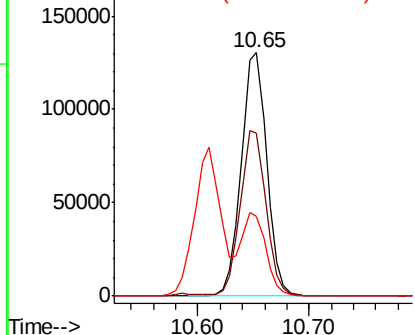


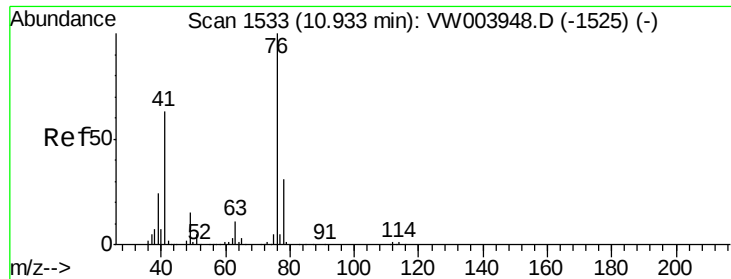
#56
 Ethyl methacrylate
 Concen: 81.831 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion:	69	Resp:	207116
Ion	Ratio	Lower	Upper
69	100		
41	68.5	54.7	82.1
39	34.6	24.4	36.6



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

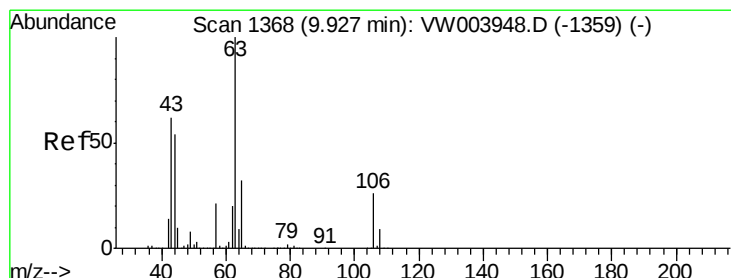
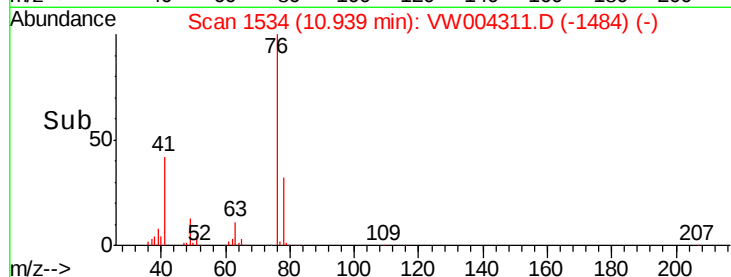
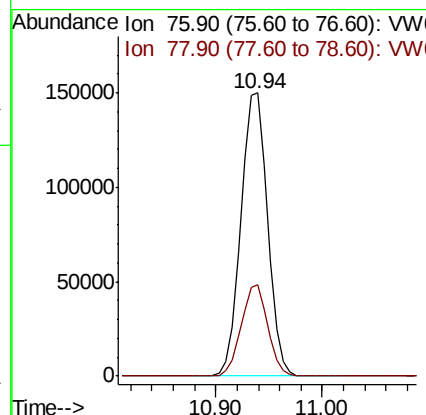
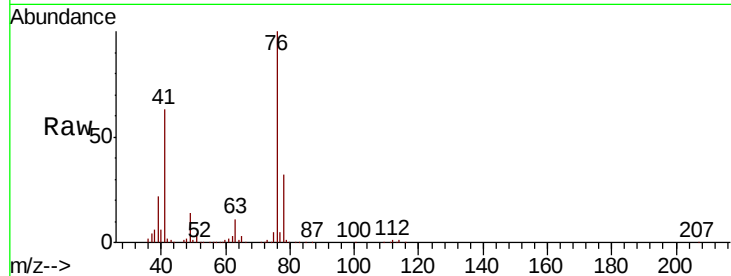




#57
 1,3-Dichloropropane
 Concen: 74.415 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

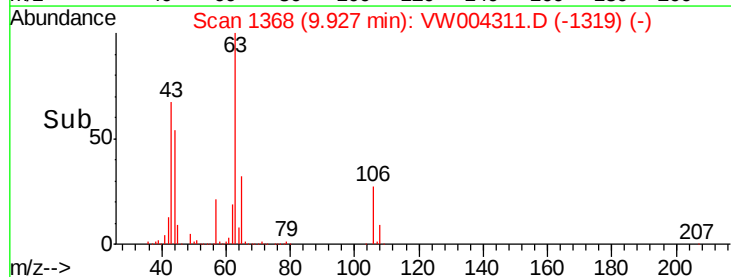
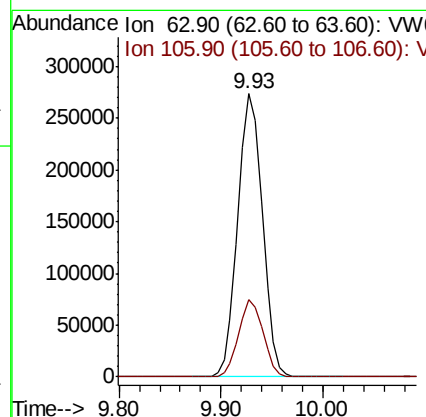
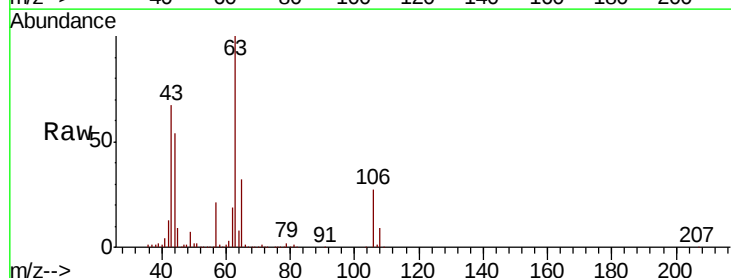
Instrument :
 MSVOA_W
 ClientSampleId :

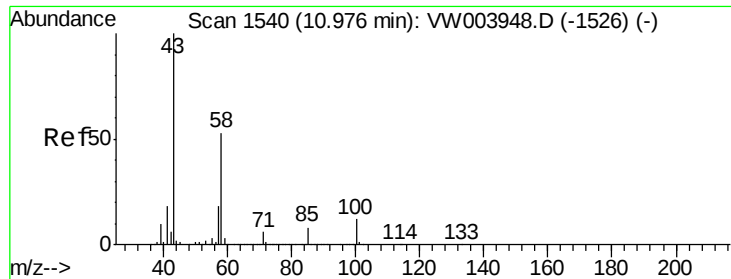
Tot Ion: 76 Resp: 265166
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 406.606 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 63 Resp: 457157
 Ion Ratio Lower Upper
 63 100
 106 26.9 21.9 32.9

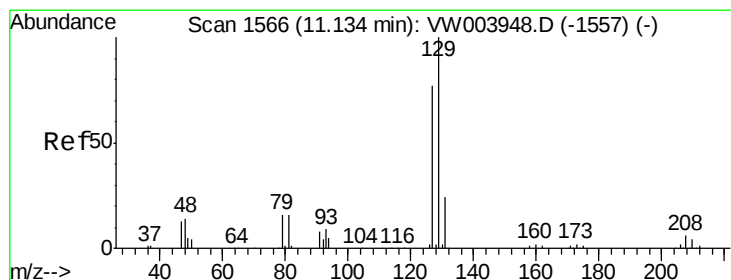
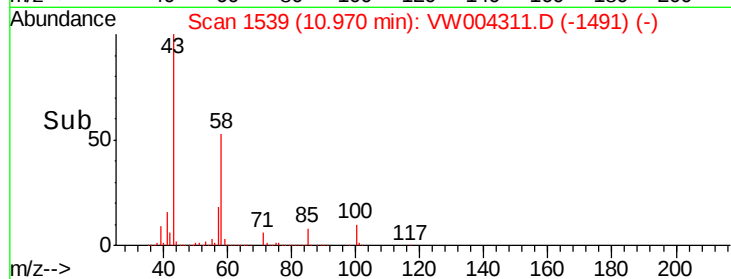
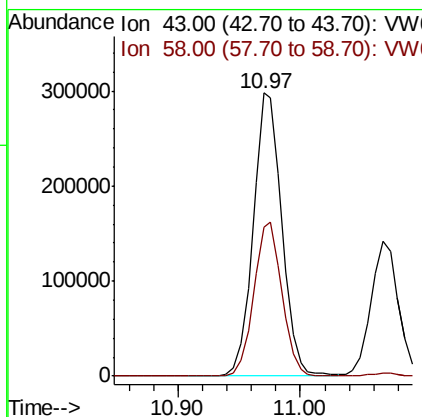
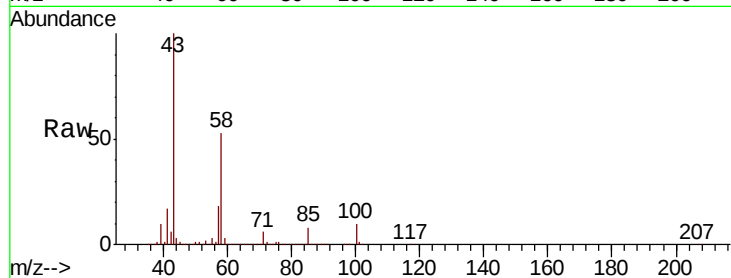




#59
2-Hexanone
Concen: 422.416 ug/l
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

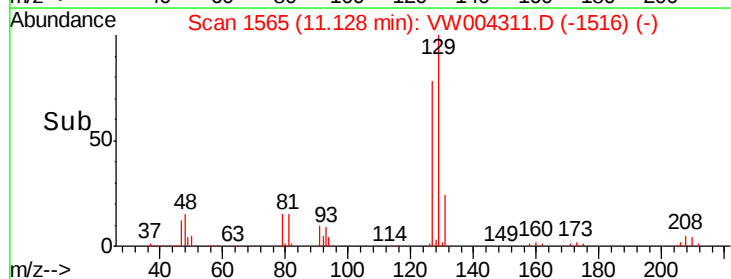
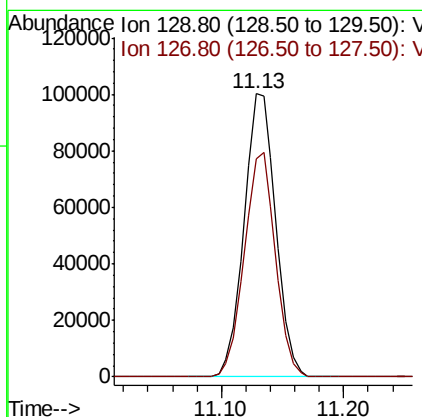
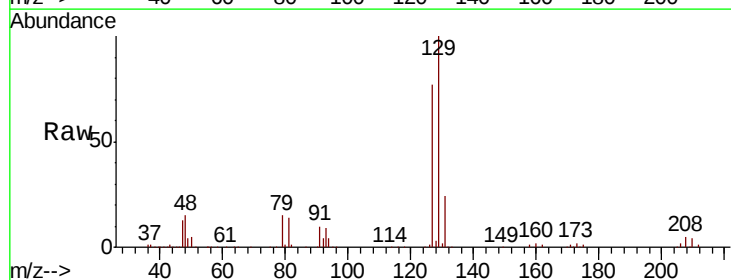
Instrument :
MSVOA_W
ClientSampleId :

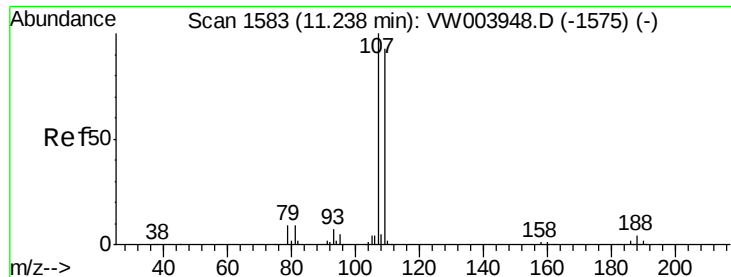
Tot Ion: 43 Resp: 484151
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.4



#60
Dibromochloromethane
Concen: 72.051 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 129 Resp: 180315
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7

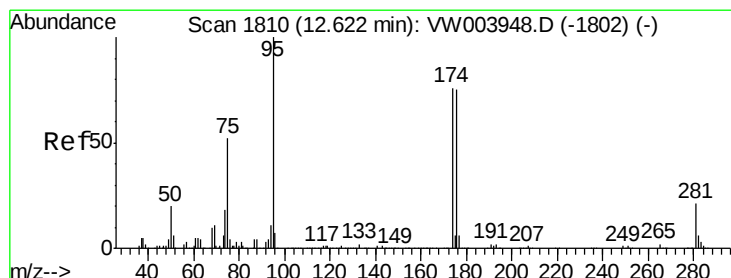
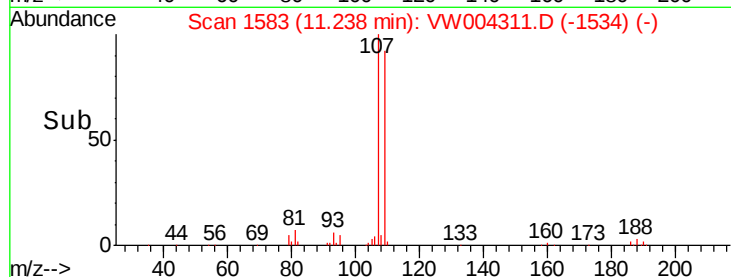
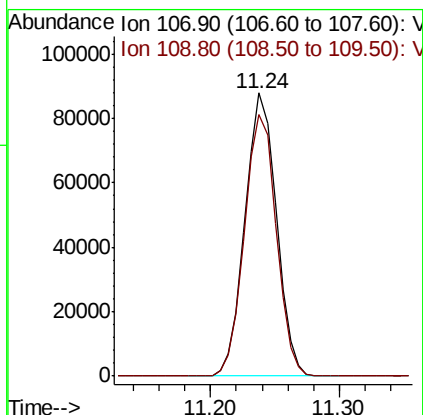
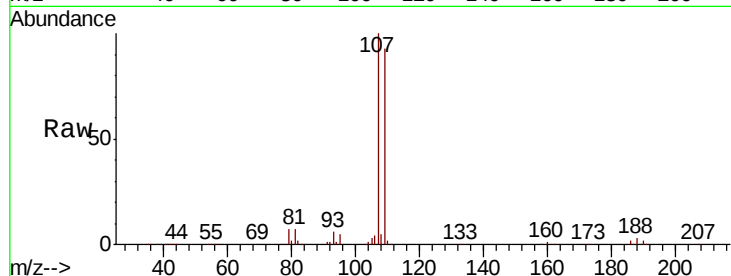




#61
 1,2-Dibromoethane
 Concen: 74.182 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

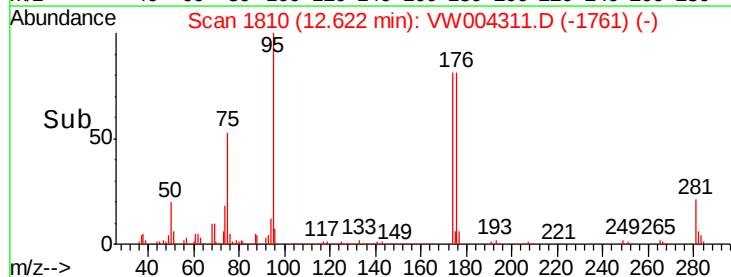
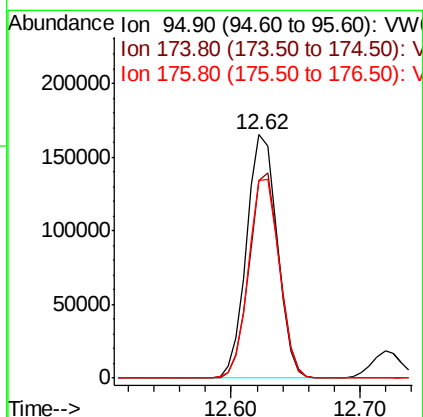
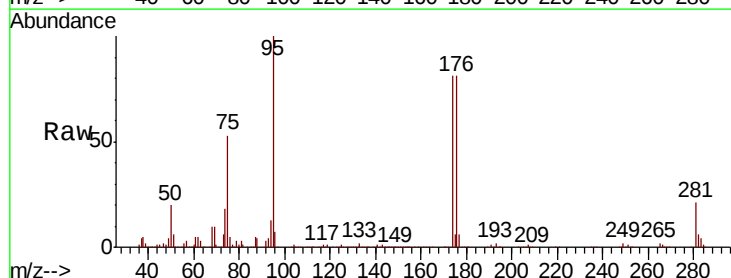
Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion: 107 Resp: 147954
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 74.846 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion: 95 Resp: 270945
 Ion Ratio Lower Upper
 95 100
 174 82.8 0.0 167.8
 176 81.8 0.0 162.4

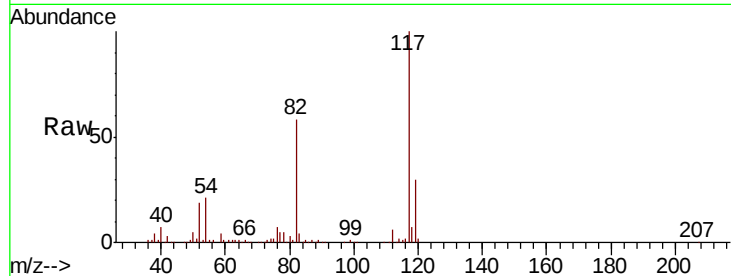




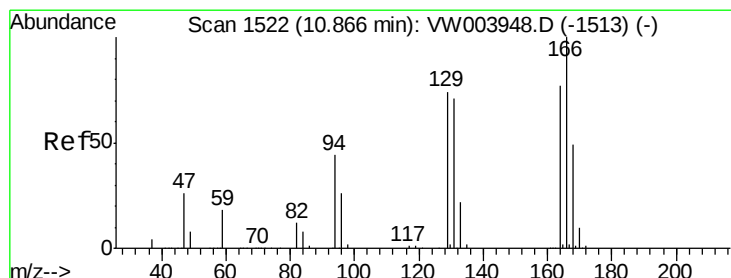
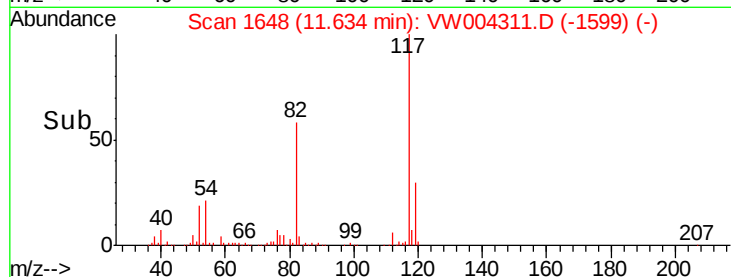
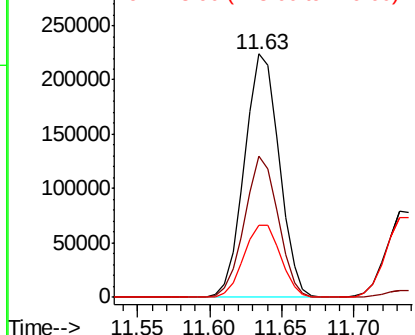
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 374627
Ion Ratio Lower Upper
117 100
82 58.2 47.9 71.9
119 29.8 27.1 40.7

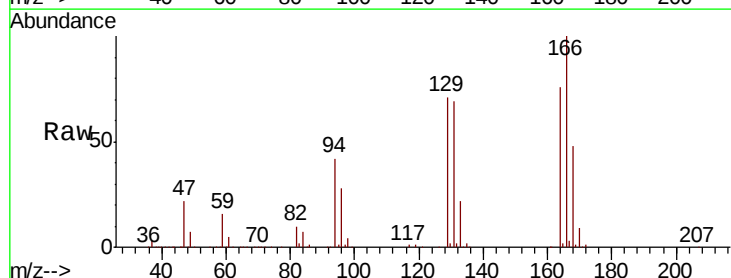


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

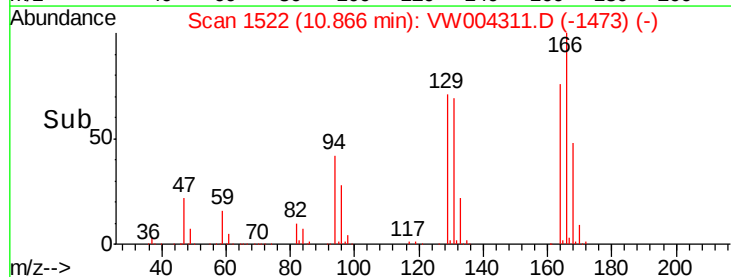
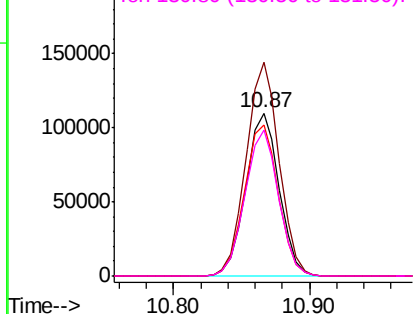


#64
Tetrachloroethene
Concen: 68.309 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion:164 Resp: 187485
Ion Ratio Lower Upper
164 100
166 131.3 103.2 154.8
129 92.9 72.1 108.1
131 90.0 70.4 105.6



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

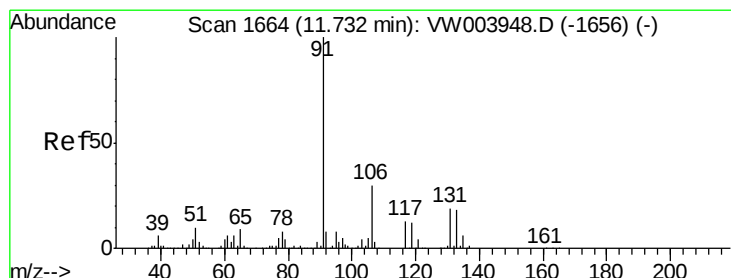
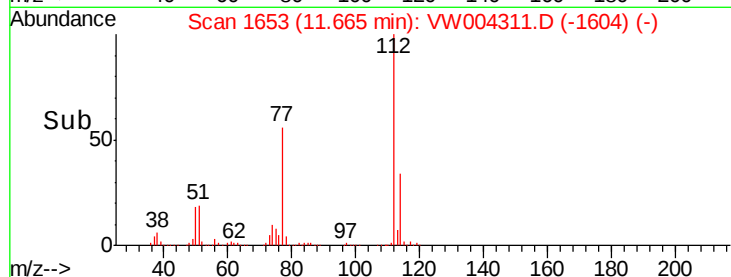
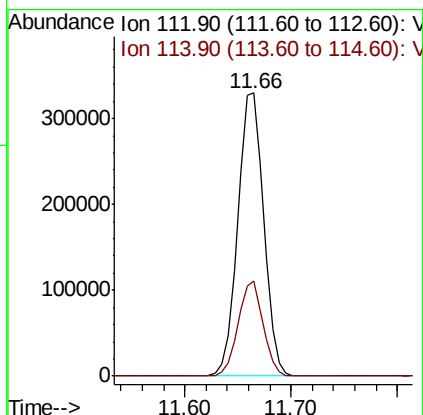
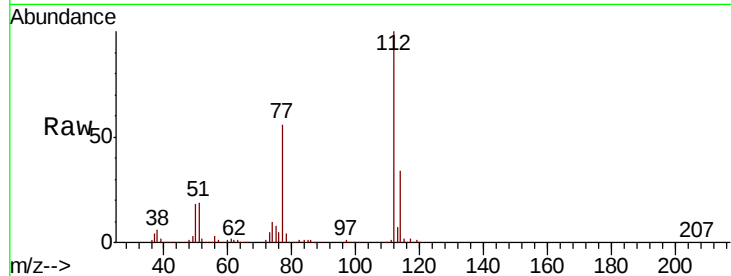




#65
Chlorobenzene
Concen: 71.692 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

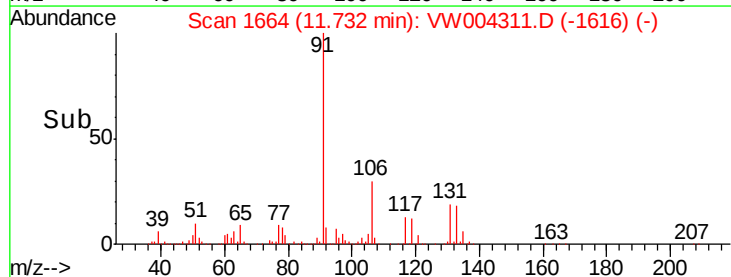
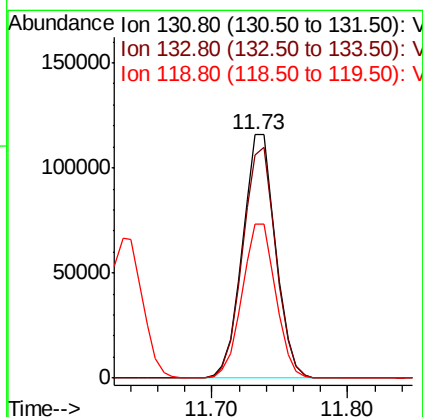
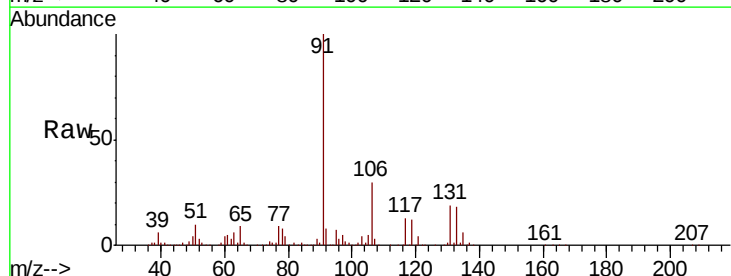
Instrument :
MSVOA_W
ClientSampleId :

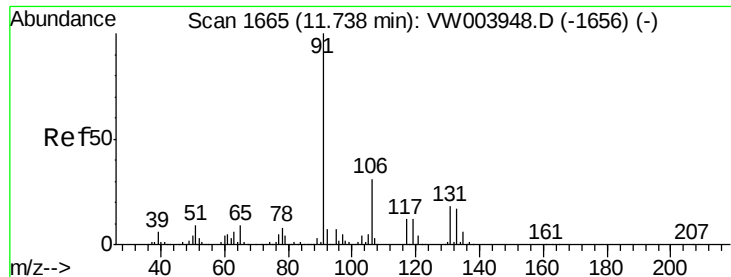
Tot Ion:112 Resp: 564072
Ion Ratio Lower Upper
112 100
114 33.5 24.7 37.1



#66
1,1,1,2-Tetrachloroethane
Concen: 71.145 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.01 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion:131 Resp: 197429
Ion Ratio Lower Upper
131 100
133 95.1 48.6 145.9
119 64.2 33.1 99.5

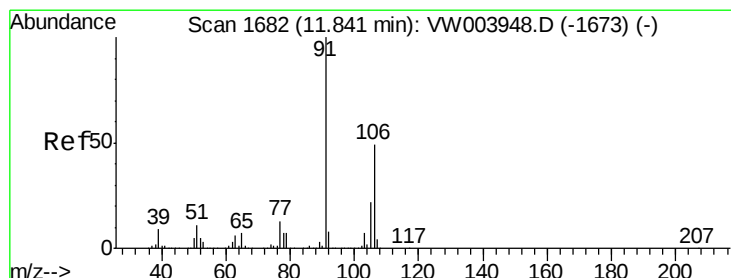
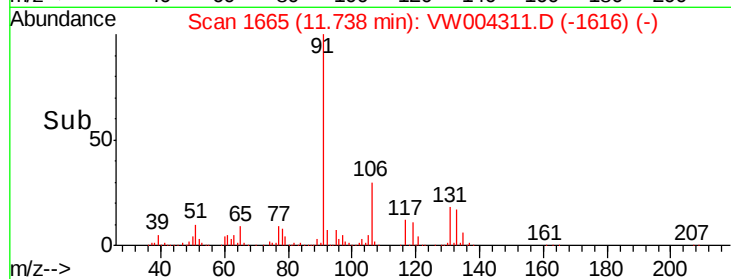
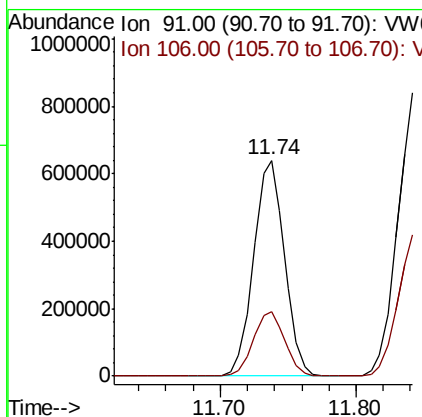
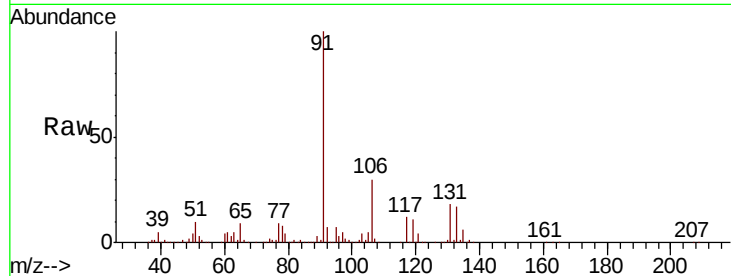




#67
Ethyl Benzene
Concen: 74.446 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

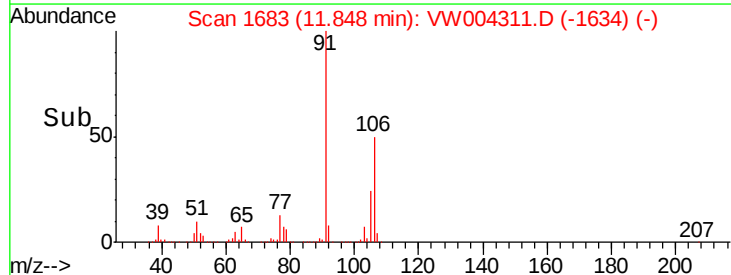
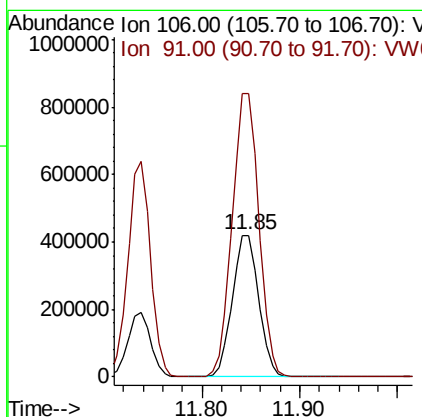
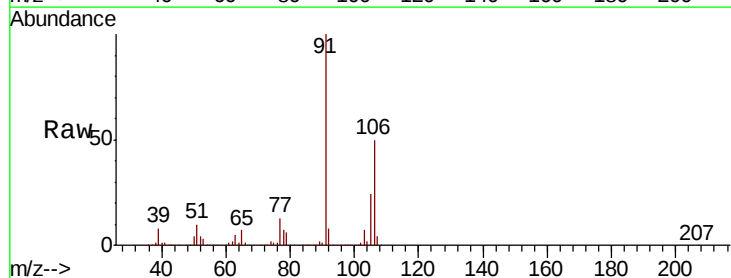
Instrument :
MSVOA_W
ClientSampled :

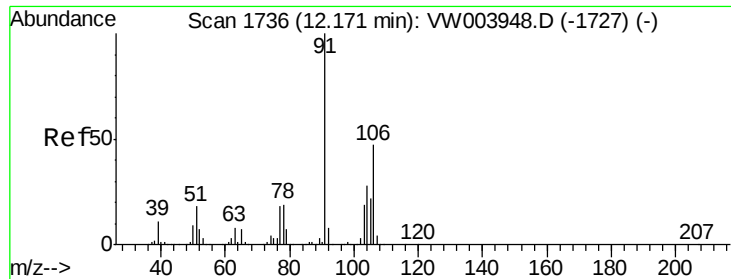
Tot Ion: 91 Resp: 1021031
Ion Ratio Lower Upper
91 100
106 29.6 26.1 39.1



#68
m/p-Xylenes
Concen: 148.559 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion: 106 Resp: 784038
Ion Ratio Lower Upper
106 100
91 202.7 162.2 243.2

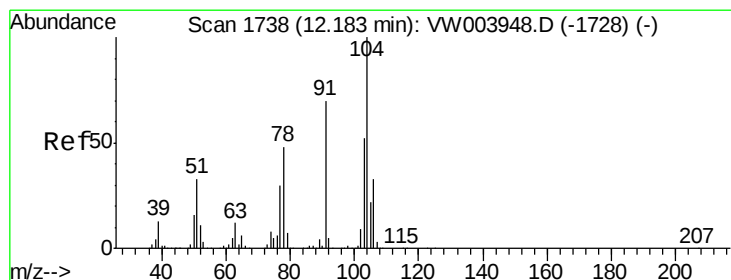
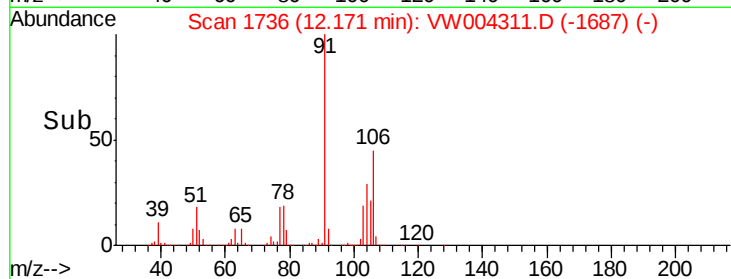
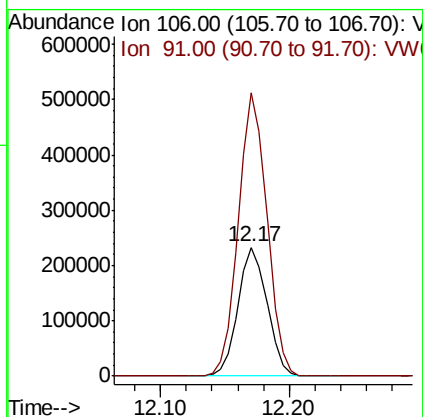
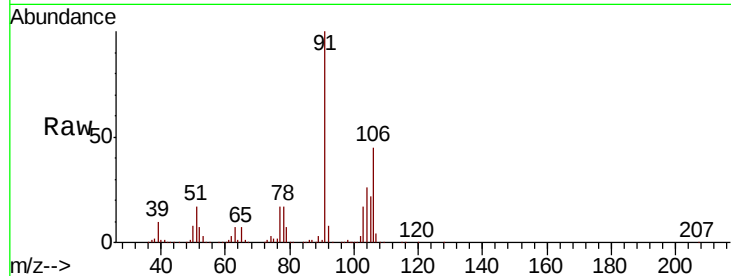




#69
o-Xylene
Concen: 74.544 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

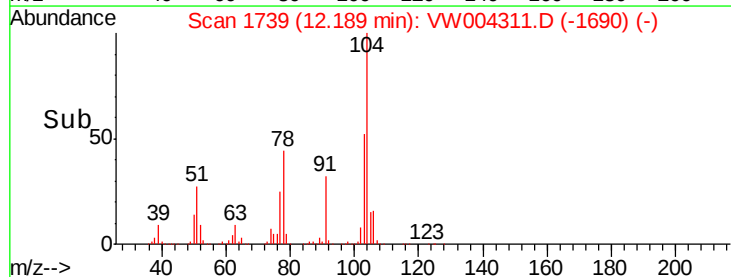
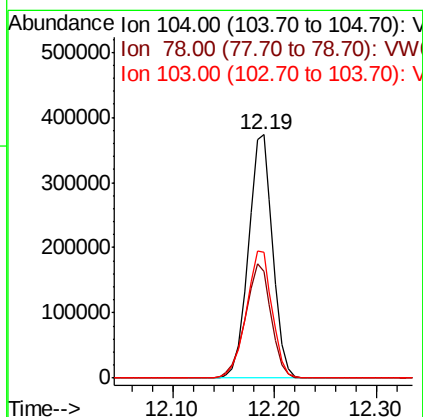
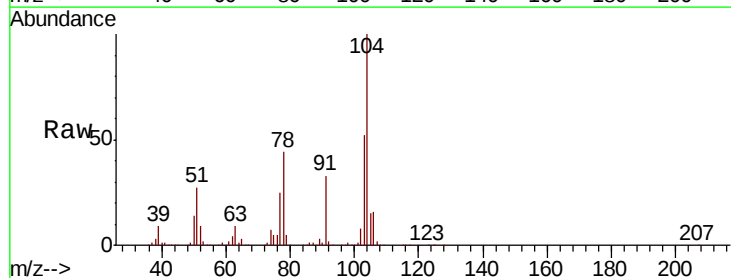
Instrument :
MSVOA_W
ClientSampled :

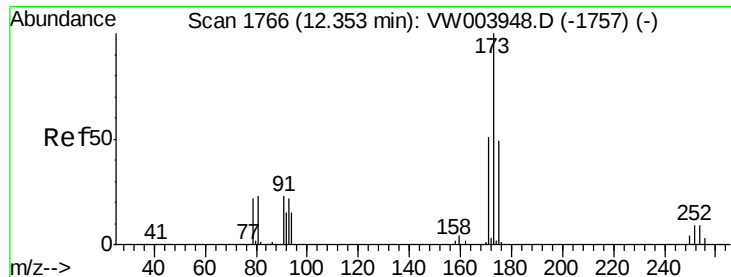
Tot Ion:106 Resp: 363506
Ion Ratio Lower Upper
106 100
91 217.1 108.7 326.1



#70
Styrene
Concen: 74.834 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion:104 Resp: 616513
Ion Ratio Lower Upper
104 100
78 50.0 40.9 61.3
103 55.8 45.0 67.6





#71

Bromoform

Concen: 72.824 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampled :

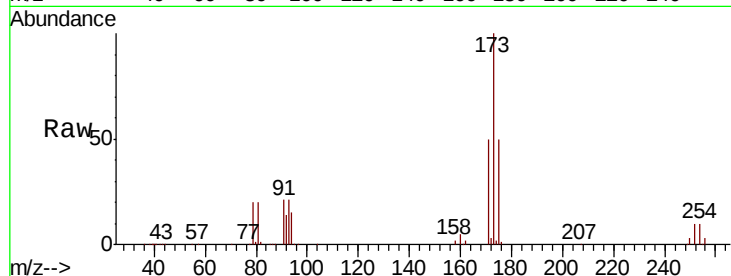
Tot Ion:173 Resp: 113258

Ion Ratio Lower Upper

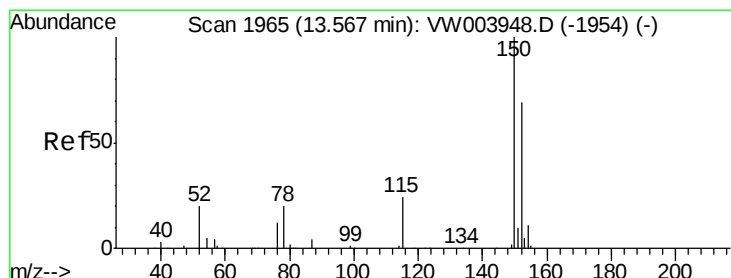
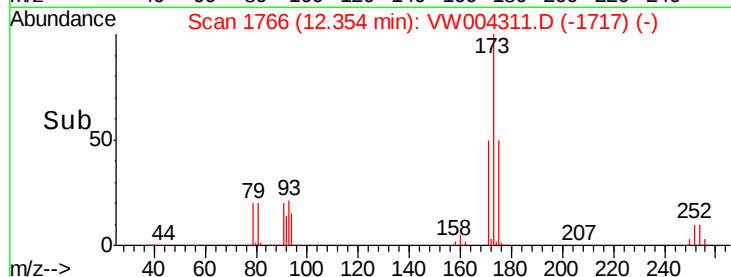
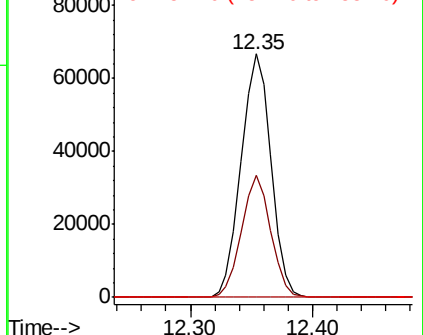
173 100

175 48.9 24.5 73.5

254 0.2 0.2 0.2



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

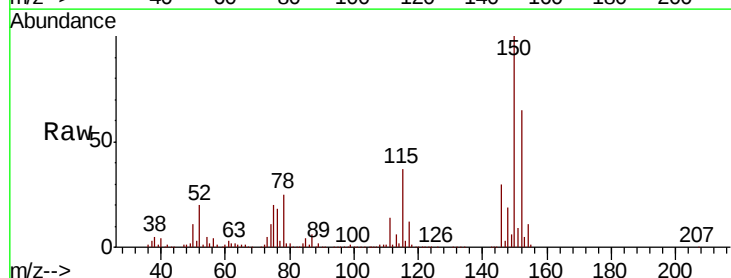
Tgt Ion:152 Resp: 194376

Ion Ratio Lower Upper

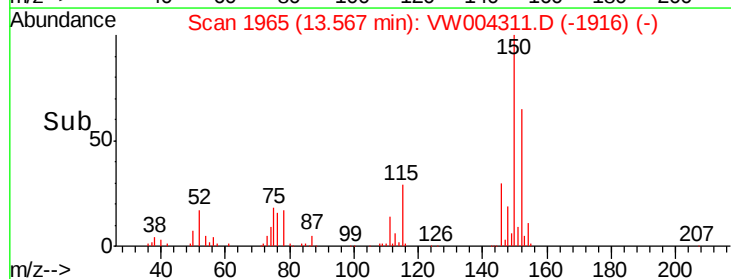
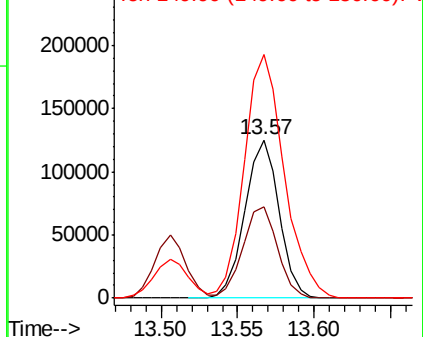
152 100

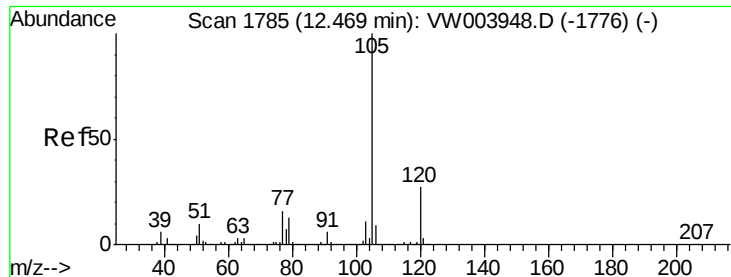
115 58.5 28.8 86.4

150 179.7 0.0 346.4



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: 74.491 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

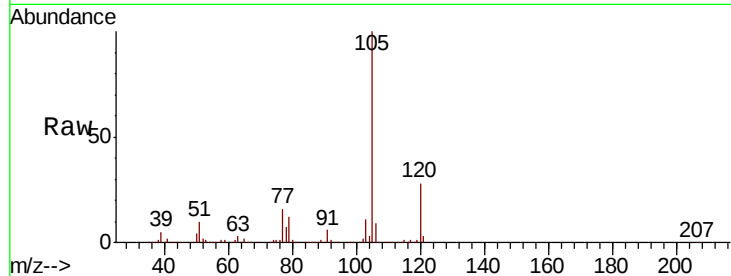
ClientSampleId :

Tot Ion:105 Resp: 1003983

Ion Ratio Lower Upper

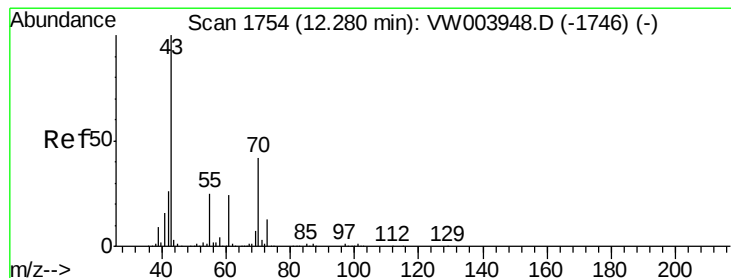
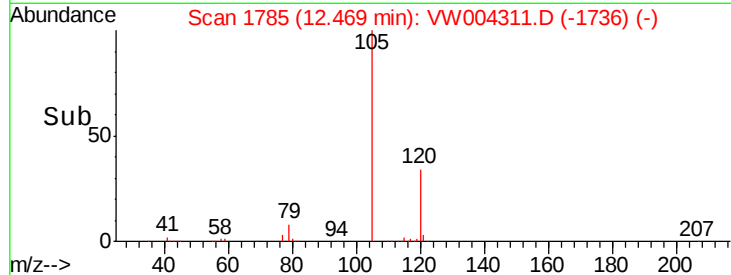
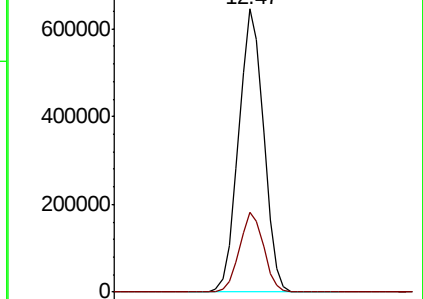
105 100

120 27.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 85.768 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Tgt Ion: 43 Resp: 250487

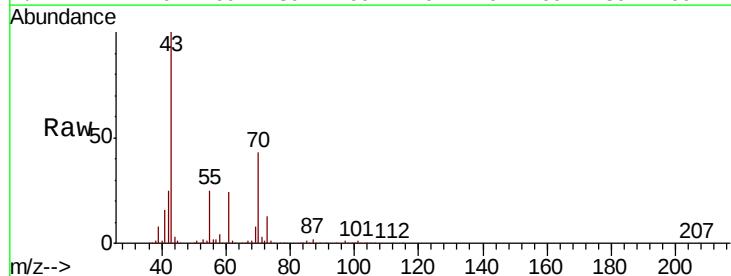
Ion Ratio Lower Upper

43 100

70 40.6 34.2 51.4

55 25.8 21.8 32.8

61 23.7 18.9 28.3

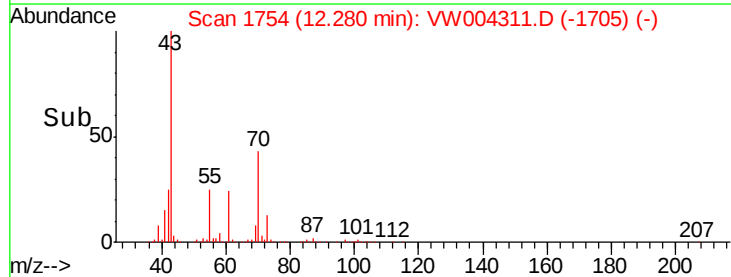
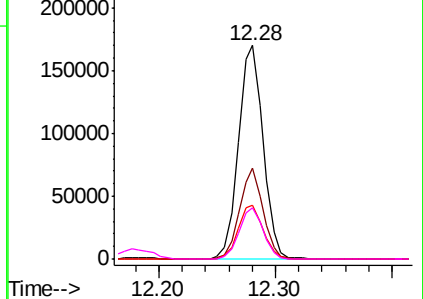


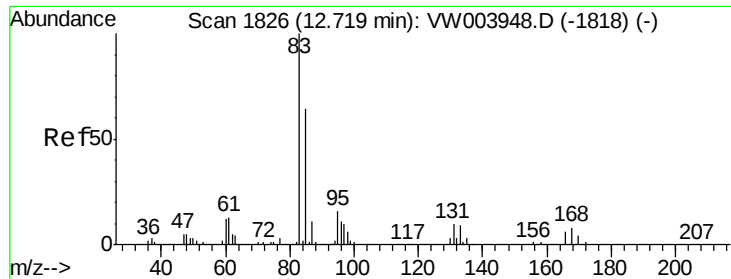
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 77.561 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampled :

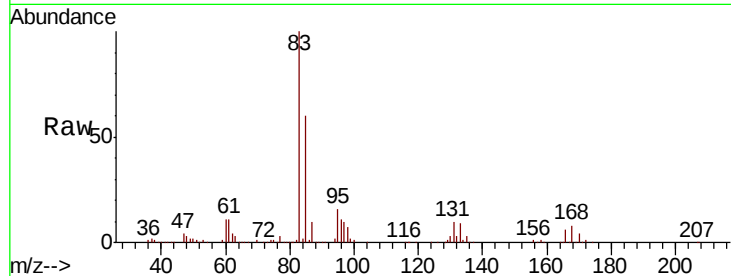
Tot Ion: 83 Resp: 183119

Ion Ratio Lower Upper

83 100

131 10.6 5.5 16.4

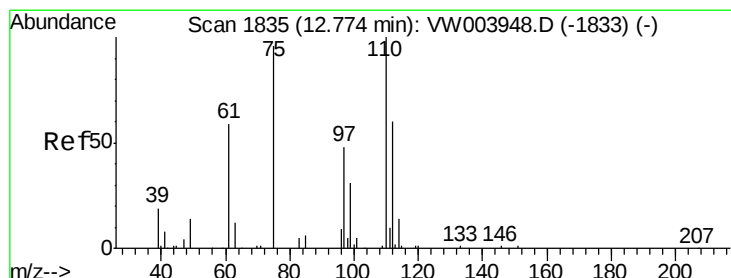
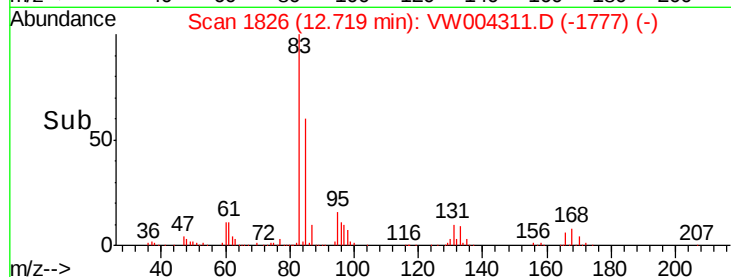
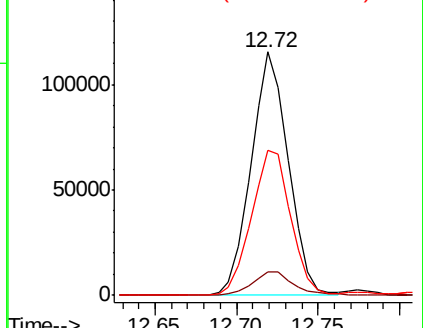
85 62.9 31.9 95.9



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: 84.183 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004311.D

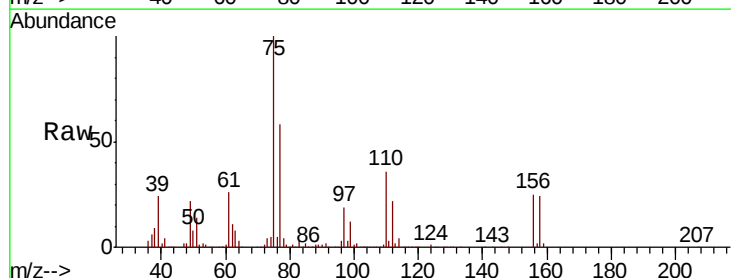
Acq: 29 Jul 2018 13:29

Tgt Ion: 75 Resp: 249382

Ion Ratio Lower Upper

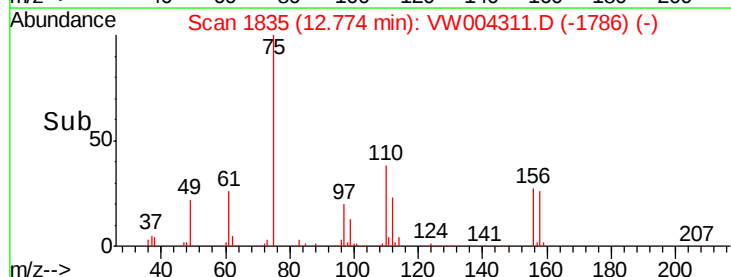
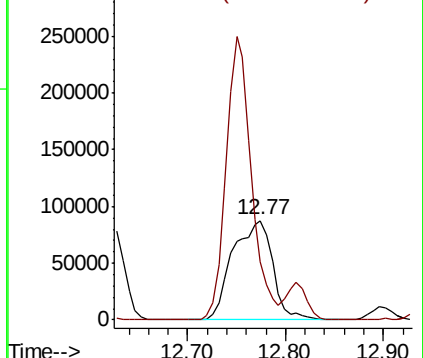
75 100

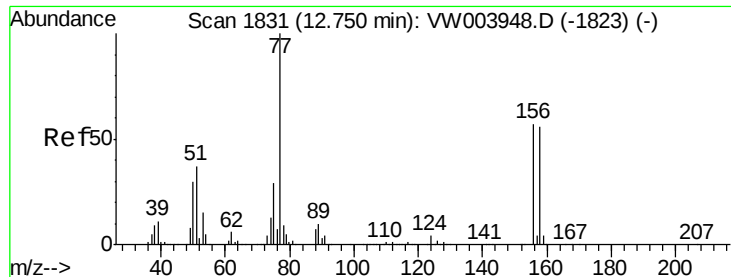
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 72.883 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampled :

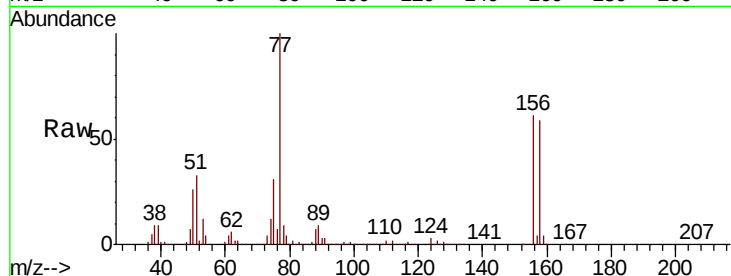
Tot Ion:156 Resp: 237345

Ion Ratio Lower Upper

156 100

77 189.0 92.9 278.7

158 97.4 47.6 142.8

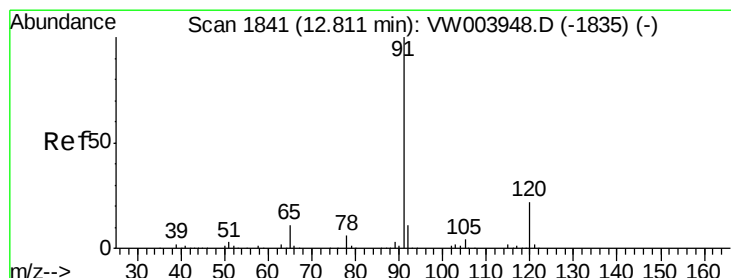
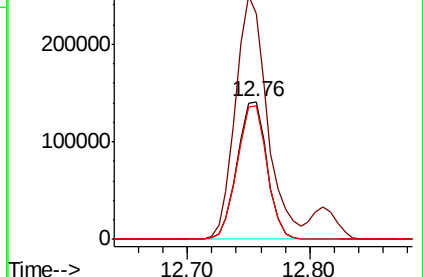
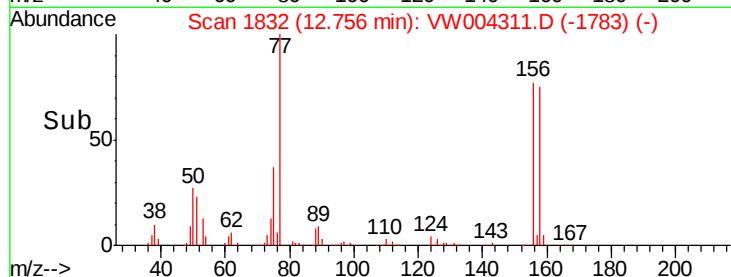


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V

Time-->



#78

n-propylbenzene

Concen: 76.665 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004311.D

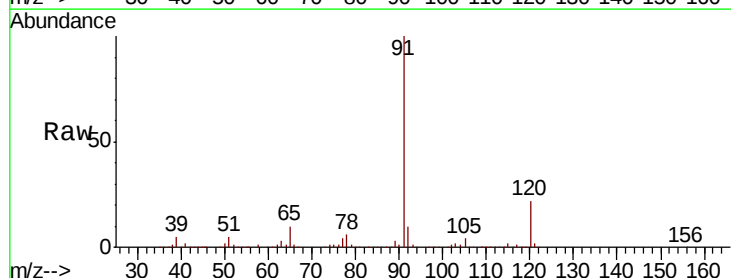
Acq: 29 Jul 2018 13:29

Tgt Ion: 91 Resp: 1258780

Ion Ratio Lower Upper

91 100

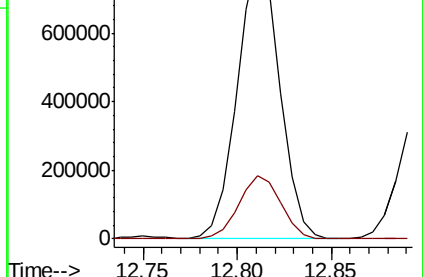
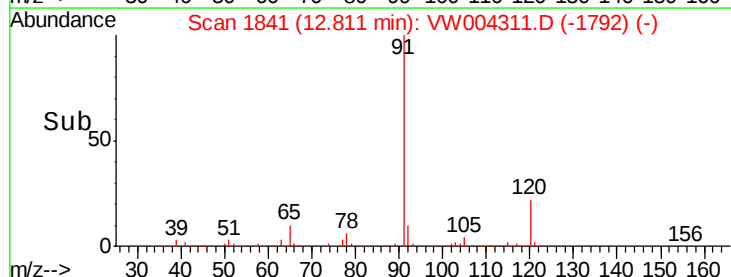
120 22.5 11.3 33.8

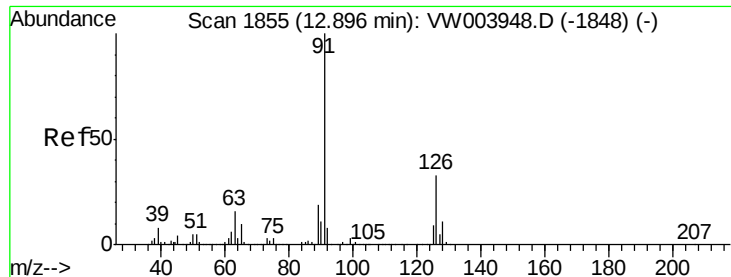


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

Time-->





#79

2-Chlorotoluene

Concen: 73.593 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

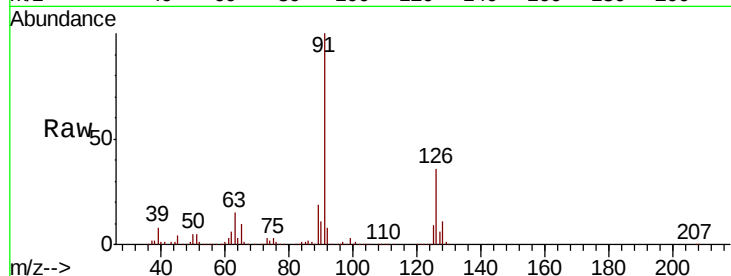
ClientSampleId :

Tot Ion: 91 Resp: 691129

Ion Ratio Lower Upper

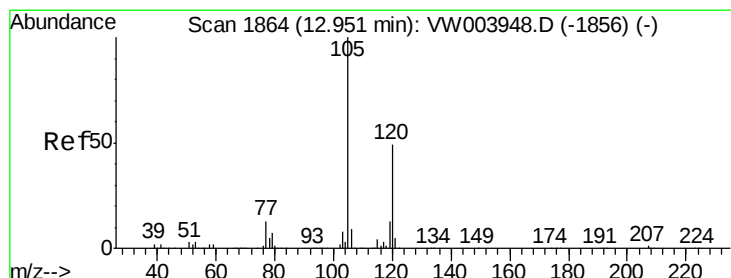
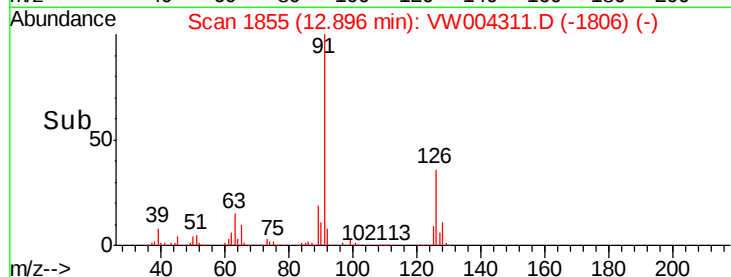
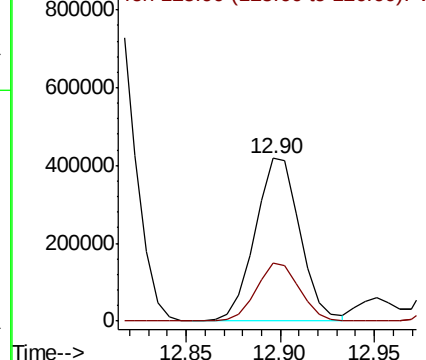
91 100

126 34.7 17.1 51.2



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: 74.630 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW004311.D

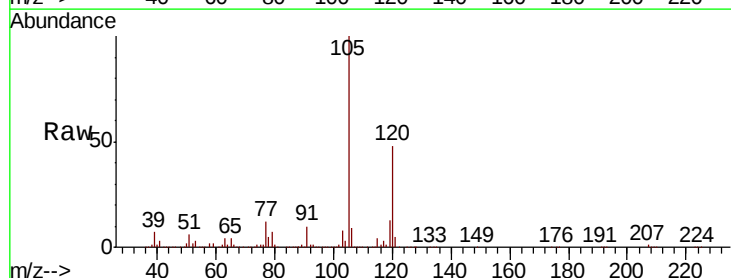
Acq: 29 Jul 2018 13:29

Tgt Ion:105 Resp: 866517

Ion Ratio Lower Upper

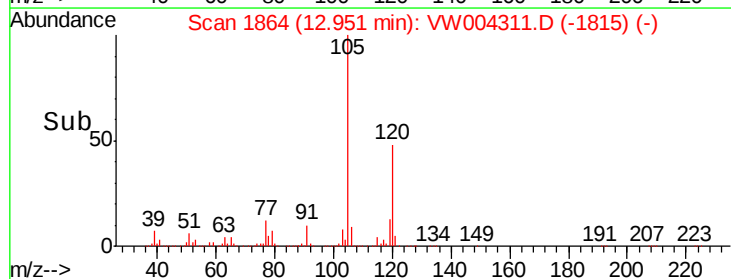
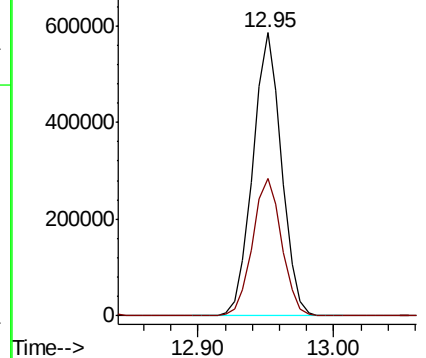
105 100

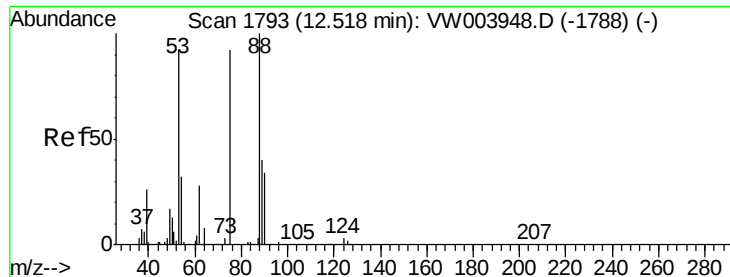
120 49.3 25.1 75.2



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: 80.343 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

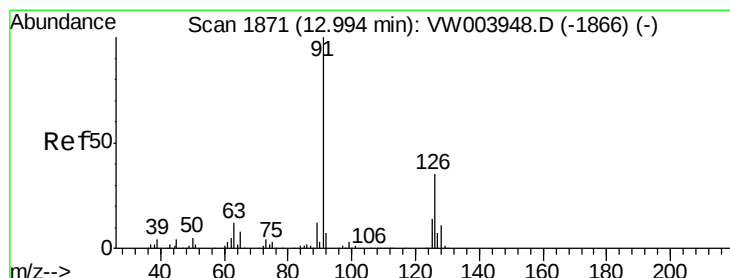
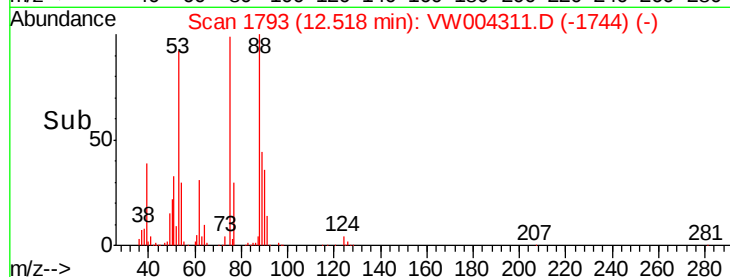
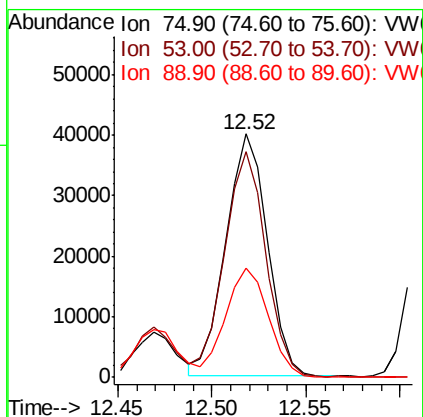
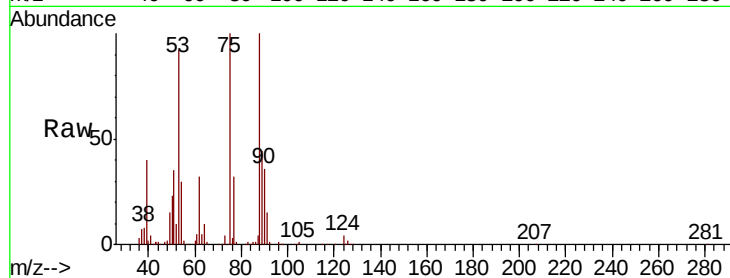
Tot Ion: 75 Resp: 61252

Ion Ratio Lower Upper

75 100

53 93.3 77.6 116.4

89 46.2 36.0 54.0



#82

4-Chlorotoluene

Concen: 74.504 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004311.D

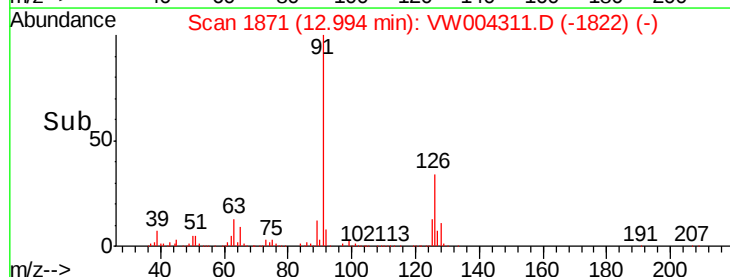
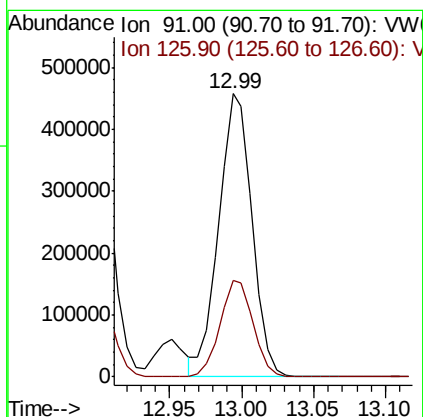
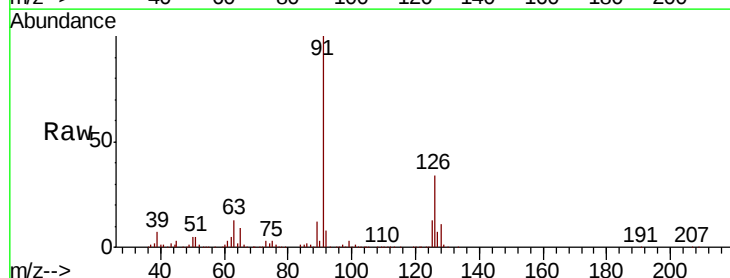
Acq: 29 Jul 2018 13:29

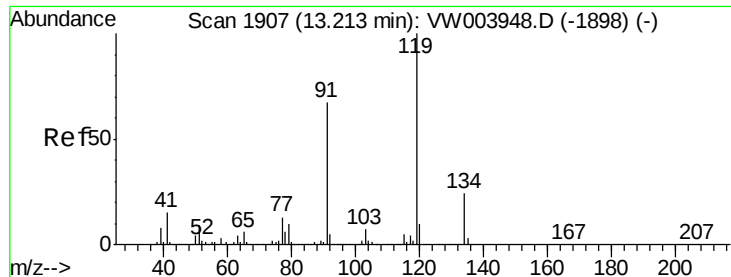
Tgt Ion: 91 Resp: 740381

Ion Ratio Lower Upper

91 100

126 33.8 17.4 52.3

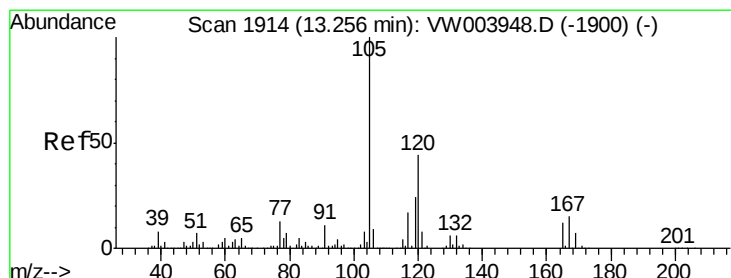
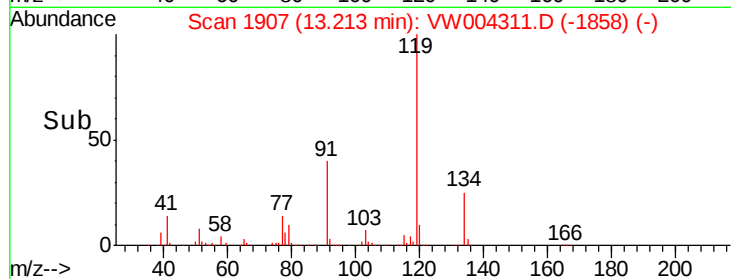
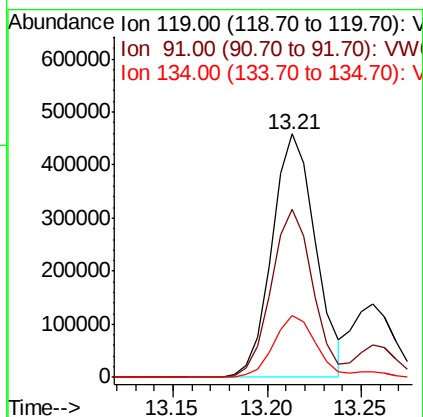
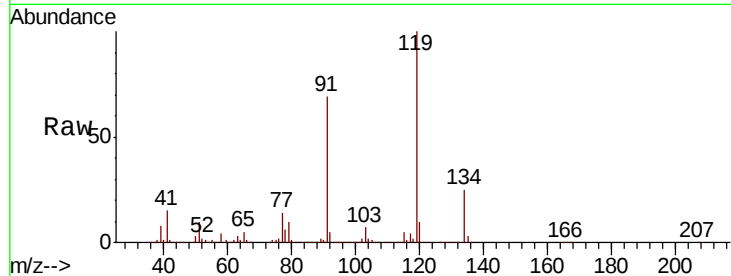




#83
tert-Butylbenzene
Concen: 75.846 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

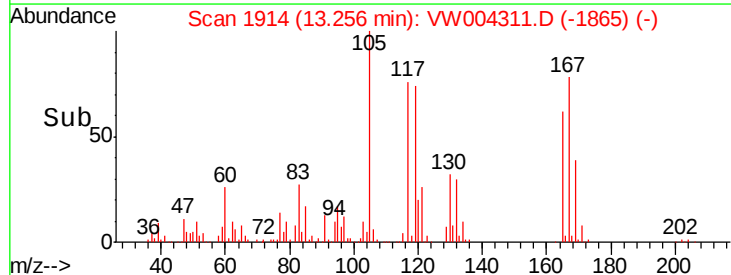
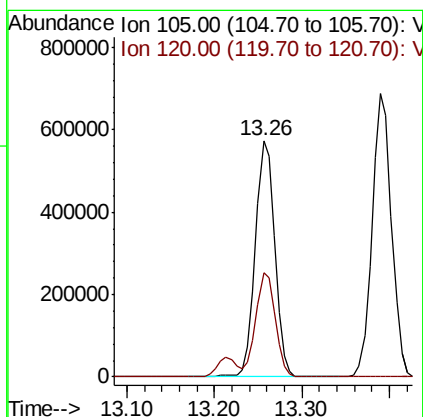
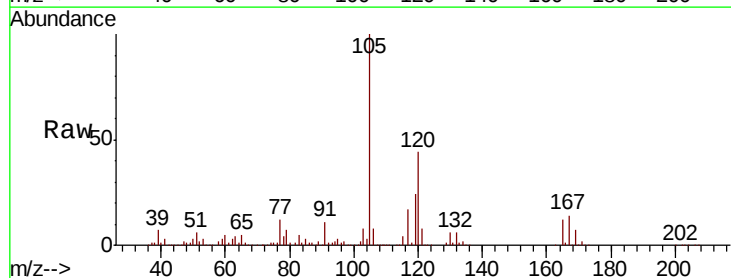
Instrument :
MSVOA_W
ClientSampled :

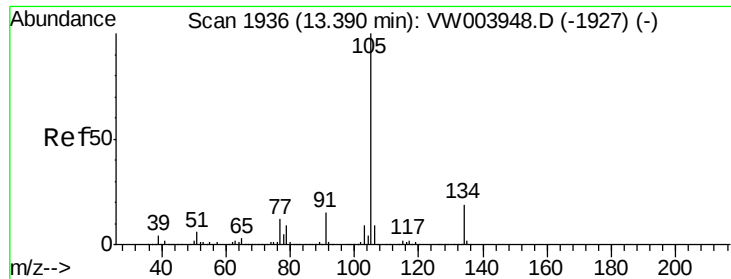
Tot Ion:119 Resp: 733645
Ion Ratio Lower Upper
119 100
91 66.0 32.8 98.3
134 24.7 12.2 36.6



#84
1,2,4-Trimethylbenzene
Concen: 74.520 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion:105 Resp: 882438
Ion Ratio Lower Upper
105 100
120 44.4 22.7 68.0





#85

sec-Butylbenzene

Concen: 74.845 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

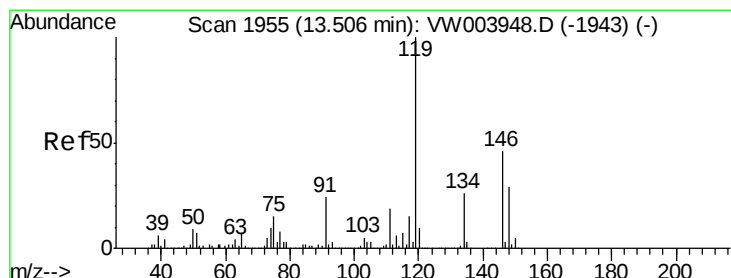
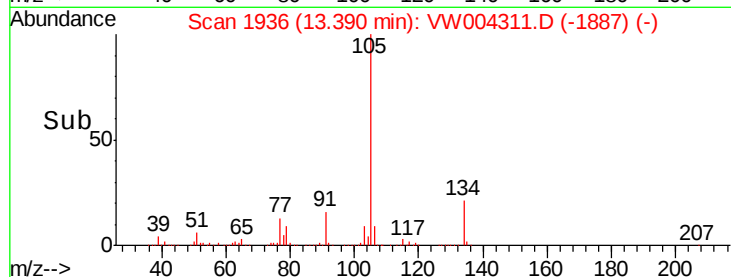
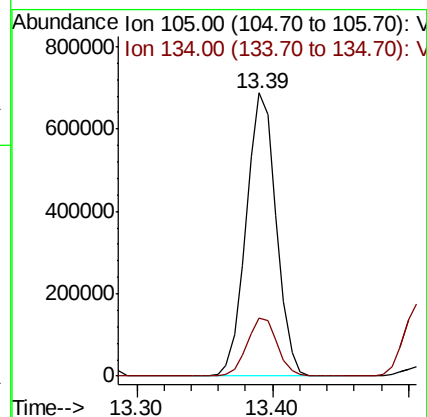
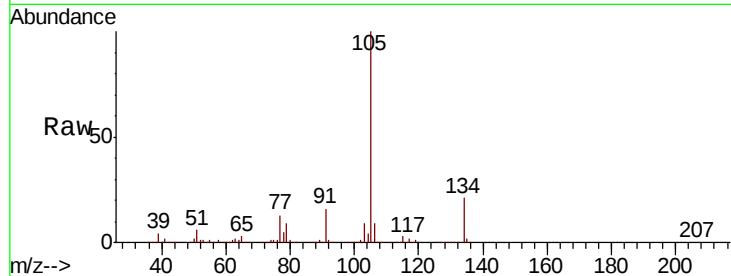
ClientSampleId :

Tot Ion:105 Resp: 1057503

Ion Ratio Lower Upper

105 100

134 20.6 9.6 28.8



#86

p-Isopropyltoluene

Concen: 74.779 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

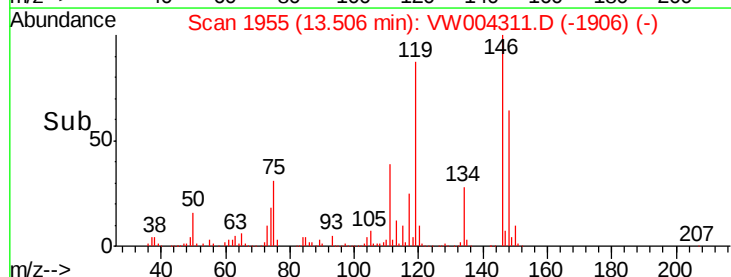
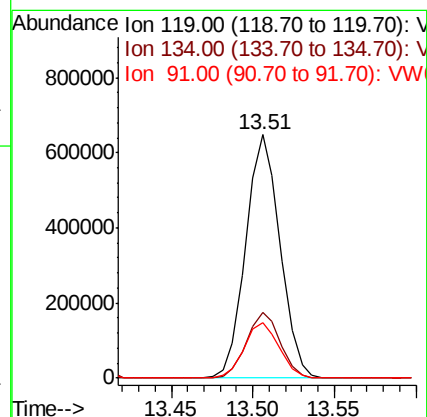
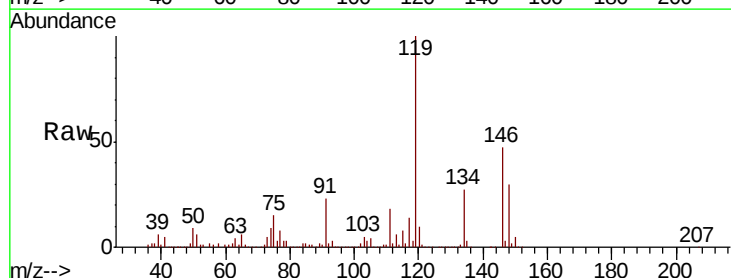
Tgt Ion:119 Resp: 948935

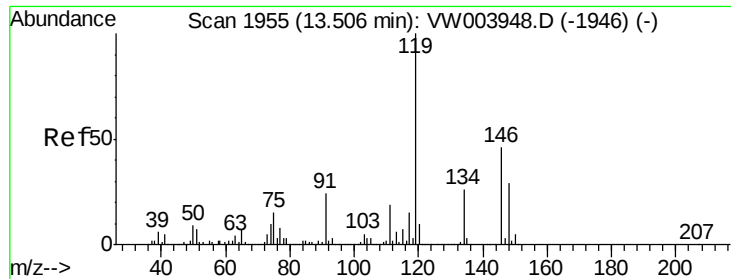
Ion Ratio Lower Upper

119 100

134 26.5 12.6 37.8

91 23.0 11.3 33.9

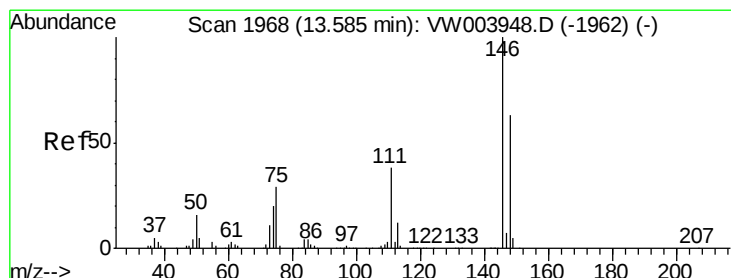
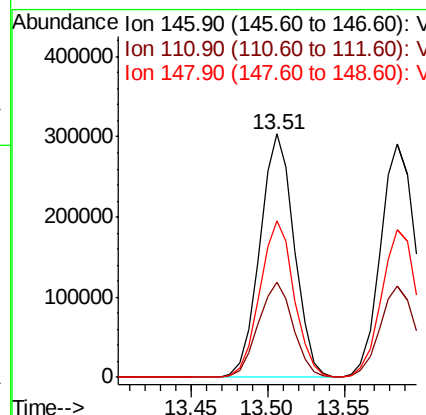
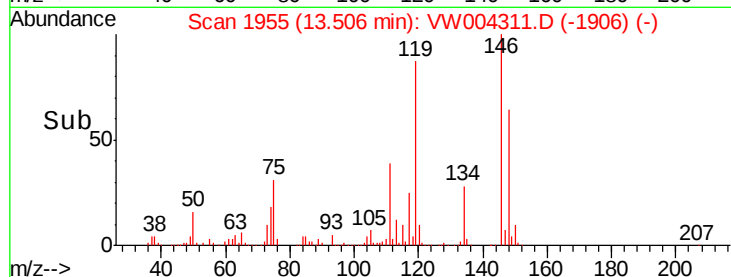
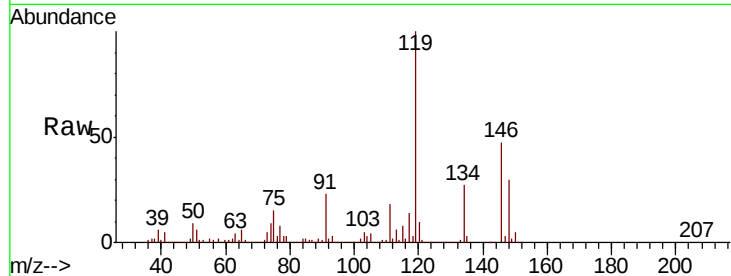




#87
 1,3-Dichlorobenzene
 Concen: 72.972 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

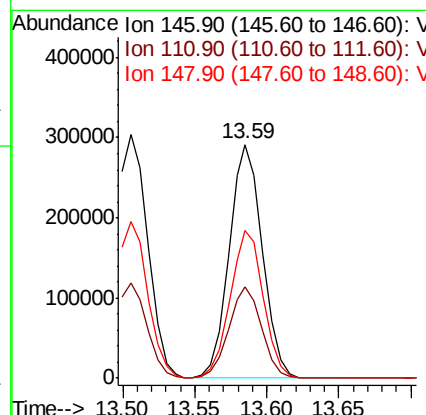
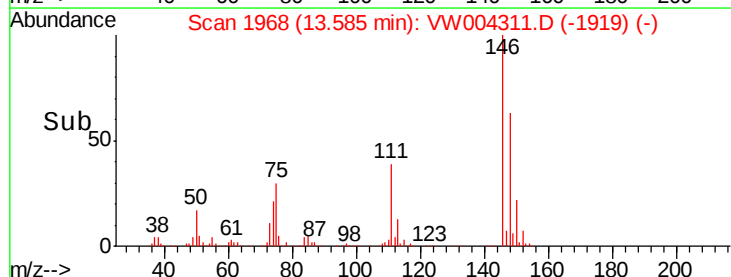
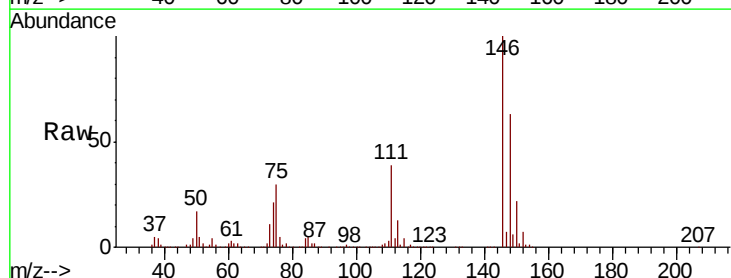
Instrument :
 MSVOA_W
 ClientSampleId :

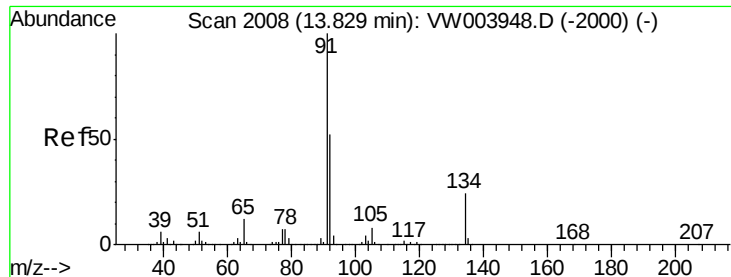
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	64.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 71.907 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.1
148	63.2	32.8	98.3





#89

n-Butylbenzene

Concen: 78.111 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.01 min

Lab File: VW004311.D

Acq: 29 Jul 2018 13:29

Instrument :

MSVOA_W

ClientSampleId :

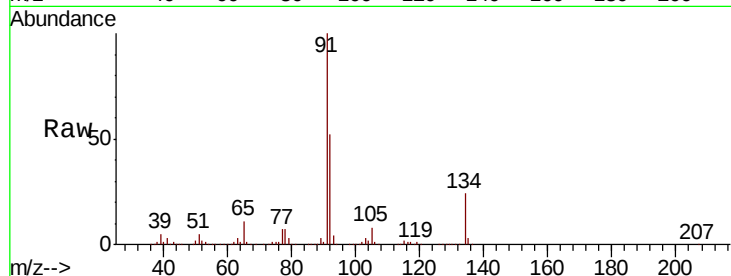
Tot Ion: 91 Resp: 925594

Ion Ratio Lower Upper

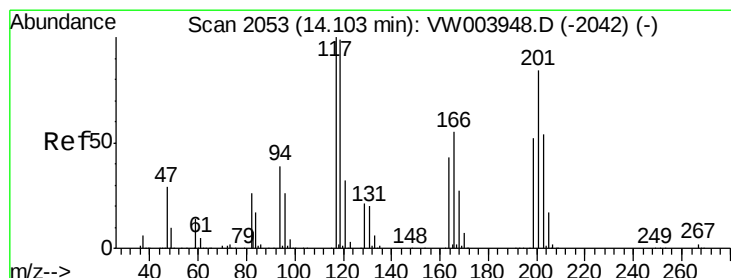
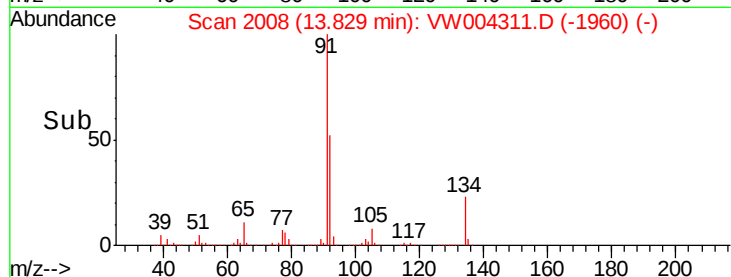
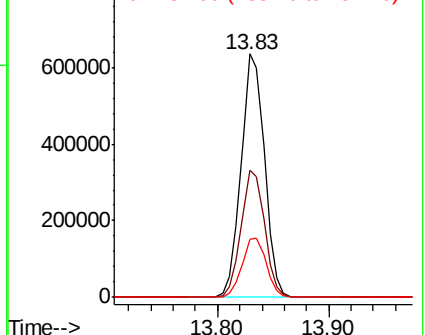
91 100

92 52.4 26.4 79.2

134 25.1 12.9 38.6



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 72.881 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.01 min

Lab File: VW004311.D

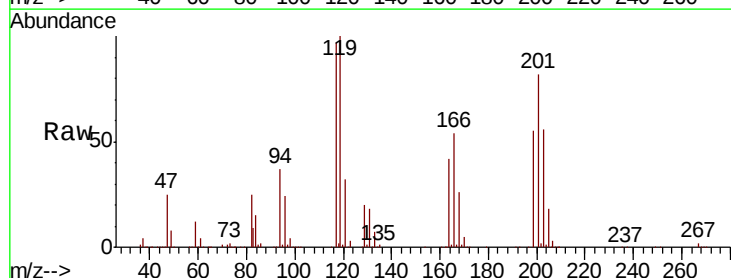
Acq: 29 Jul 2018 13:29

Tgt Ion: 117 Resp: 164952

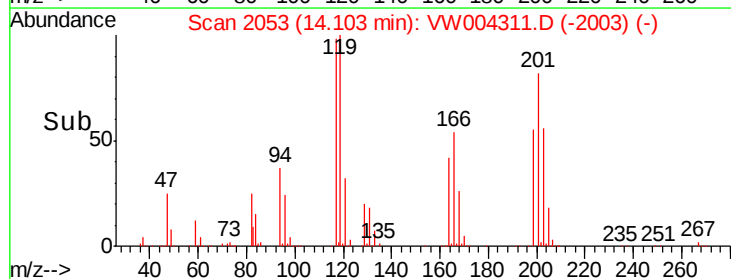
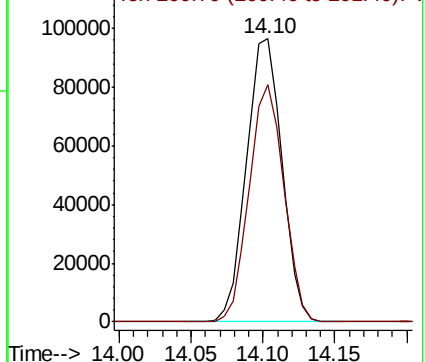
Ion Ratio Lower Upper

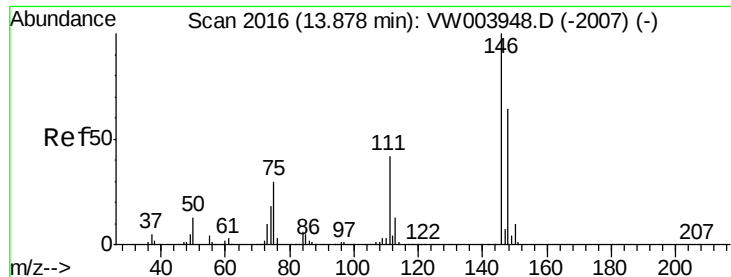
117 100

201 81.6 41.5 124.5



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V

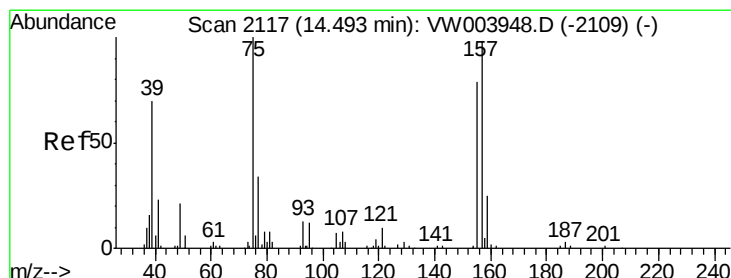
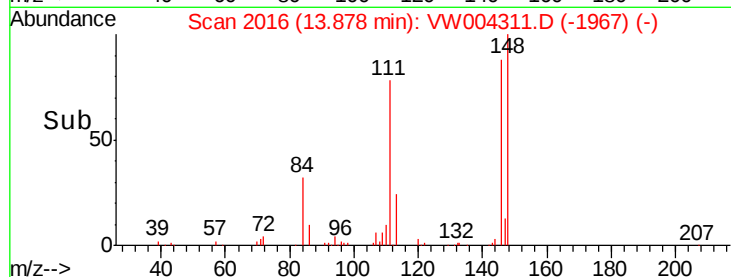
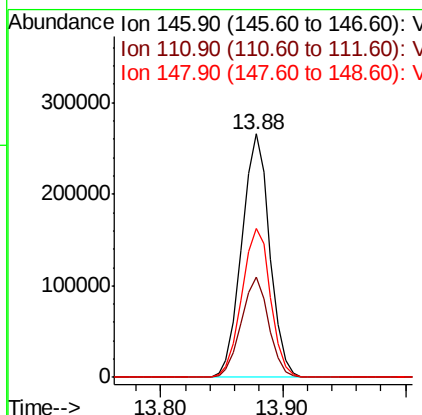
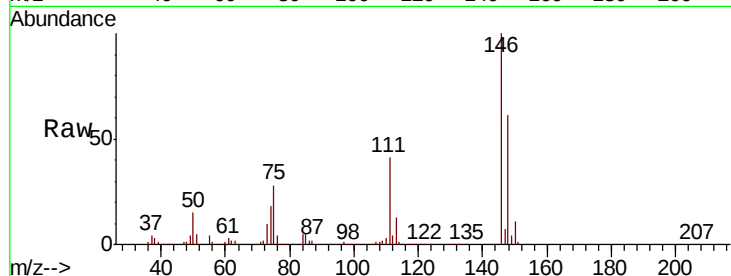




#91
 1,2-Dichlorobenzene
 Concen: 72.017 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

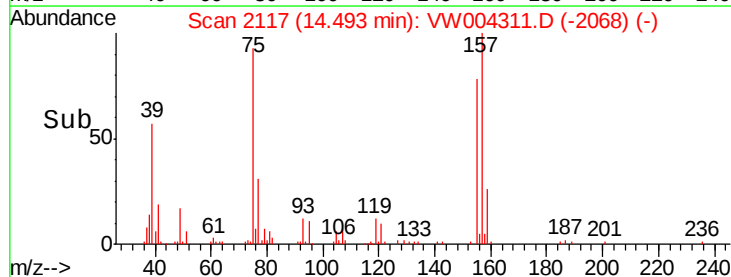
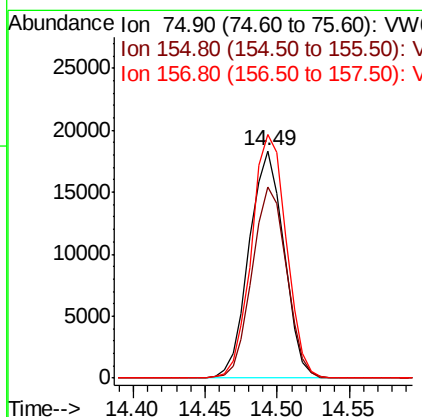
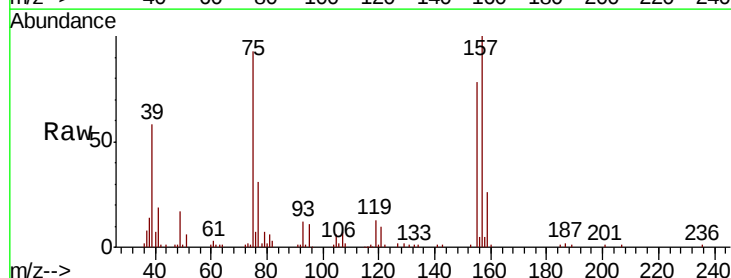
Instrument :
 MSVOA_W
 ClientSampleId :

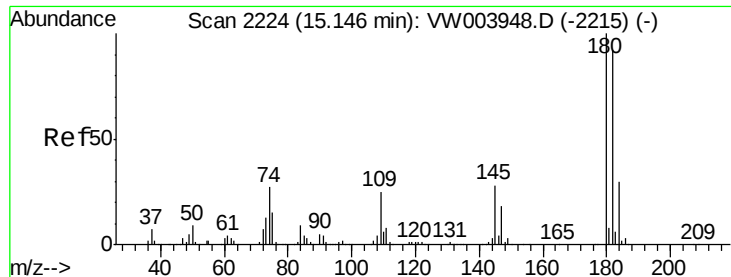
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.7	59.1
148	62.8	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 74.305 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.2	41.4	124.4
157	107.0	55.2	165.6

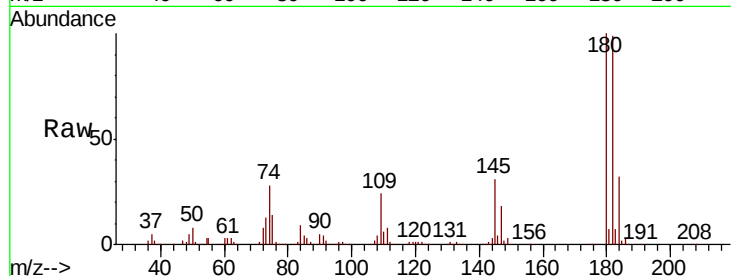




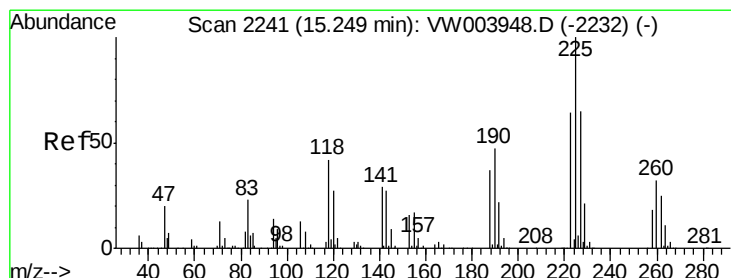
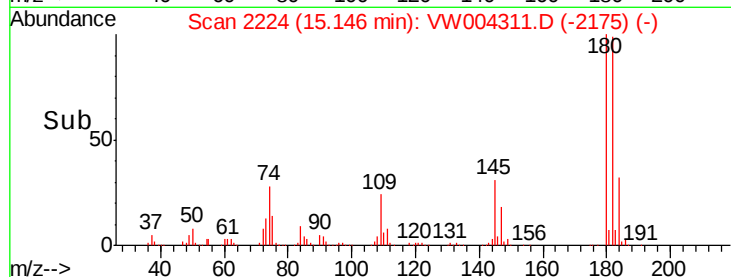
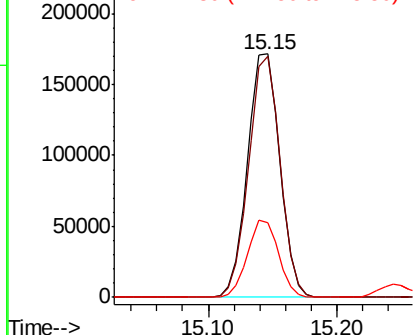
#93
 1,2,4-Trichlorobenzene
 Concen: 72.220 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	141.8
145	30.5	14.8	44.4

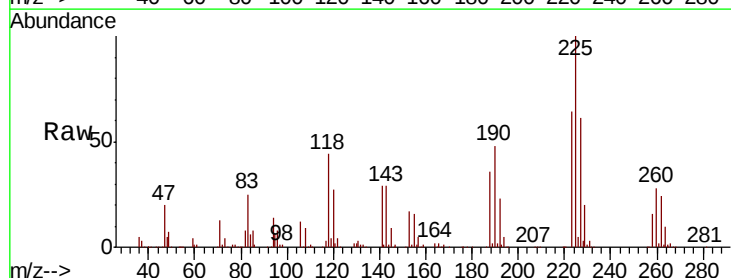


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

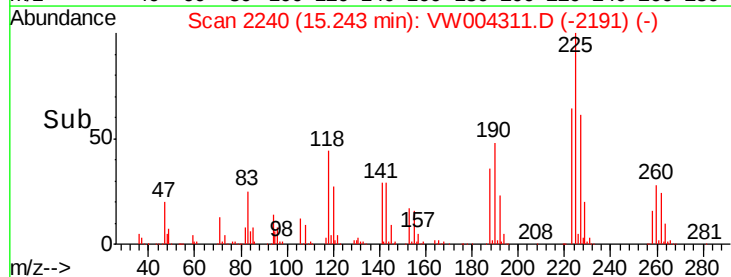
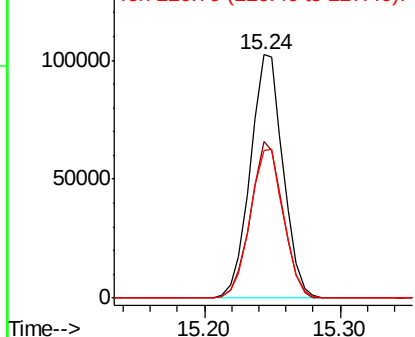


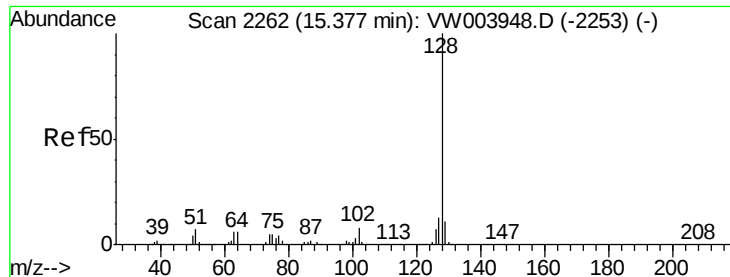
#94
 Hexachlorobutadiene
 Concen: 69.006 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. 0.00 min
 Lab File: VW004311.D
 Acq: 29 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.0	93.0
227	62.5	32.6	97.7



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

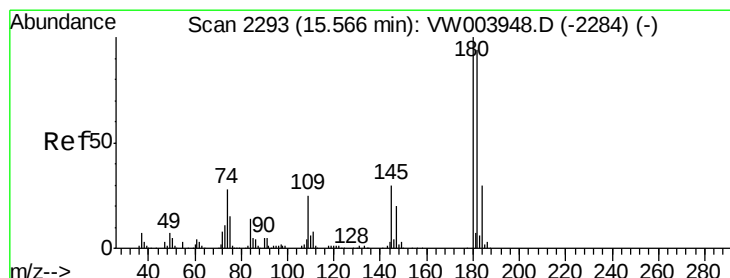
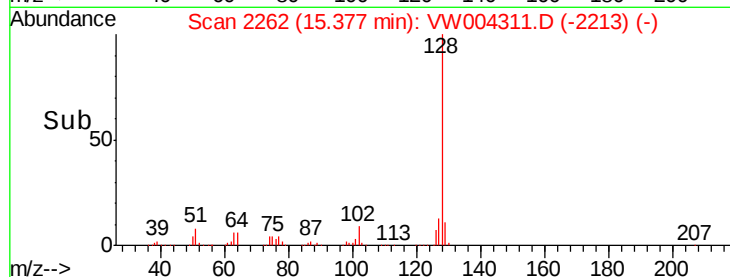
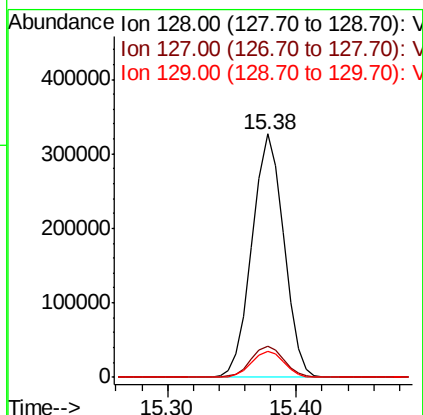
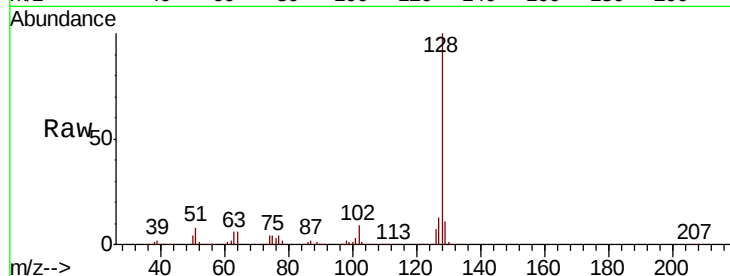




#95
Naphthalene
Concen: 79.191 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 73.425 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004311.D
Acq: 29 Jul 2018 13:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.0	144.0
145	32.3	16.2	48.5

