

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022819\
 Data File : VW008880.D
 Acq On : 28 Feb 2019 11:58
 Operator : SY/VA
 Sample : VW0228SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Quant Time: Mar 01 05:58:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	317626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	440947	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	417692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	226222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	135576	45.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.02%	
35) Dibromofluoromethane	7.88	113	130270	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
50) Toluene-d8	10.32	98	505026	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
62) 4-Bromofluorobenzene	12.62	95	191382	47.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58768	18.473	ug/l	96
3) Chloromethane	2.21	50	69900	18.050	ug/l	99
4) Vinyl Chloride	2.35	62	73590	17.948	ug/l	99
5) Bromomethane	2.76	94	72145	23.690	ug/l	98
6) Chloroethane	2.91	64	52761	18.122	ug/l	96
7) Trichlorofluoromethane	3.26	101	102981	19.859	ug/l	92
8) Diethyl Ether	3.68	74	29223	17.800	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	61884	19.652	ug/l	98
10) Methyl Iodide	4.27	142	58664	14.898	ug/l	99
11) Tert butyl alcohol	5.19	59	17425	65.701	ug/l #	70
12) 1,1-Dichloroethene	4.04	96	54285	19.520	ug/l	96
13) Acrolein	3.90	56	15582	71.074	ug/l	100
14) Allyl chloride	4.67	41	93147	19.406	ug/l	98
15) Acrylonitrile	5.37	53	57469	81.567	ug/l	98
16) Acetone	4.13	43	56773	82.218	ug/l	98
17) Carbon Disulfide	4.38	76	161052	17.454	ug/l	98
18) Methyl Acetate	4.68	43	25672	15.674	ug/l	97
19) Methyl tert-butyl Ether	5.42	73	128895	17.124	ug/l	96
20) Methylene Chloride	4.91	84	82457	21.309	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	60823	18.907	ug/l	96
22) Diisopropyl ether	6.31	45	180681	18.871	ug/l	96
23) Vinyl Acetate	6.26	43	530483	89.672	ug/l	100
24) 1,1-Dichloroethane	6.21	63	108248	19.510	ug/l	97
25) 2-Butanone	7.17	43	77726	80.512	ug/l	97
26) 2,2-Dichloropropane	7.17	77	100237	19.899	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	65733	19.102	ug/l	98
28) Bromochloromethane	7.51	49	44017	18.958	ug/l #	98
29) Tetrahydrofuran	7.53	42	47553	77.295	ug/l	100
30) Chloroform	7.67	83	110072	19.338	ug/l	97
31) Cyclohexane	7.95	56	110203	19.622	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	104588	20.205	ug/l	99
36) 1,1-Dichloropropene	8.08	75	89410	20.830	ug/l	99
37) Ethyl Acetate	7.25	43	31748	15.906	ug/l	97
38) Carbon Tetrachloride	8.06	117	95792	21.162	ug/l	97

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 00:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	106262	19.847	ug/l	100
40) Benzene	8.32	78	235568	20.101	ug/l	100
41) Methacrylonitrile	7.48	41	19639	16.738	ug/l	95
42) 1,2-Dichloroethane	8.40	62	70679	19.038	ug/l	99
43) Isopropyl Acetate	8.43	43	66889	16.791	ug/l	98
44) Trichloroethene	9.09	130	69142	20.943	ug/l	90
45) 1,2-Dichloropropane	9.37	63	59173	20.432	ug/l	99
46) Dibromomethane	9.46	93	30757	19.093	ug/l	96
47) Bromodichloromethane	9.65	83	78204	19.953	ug/l	99
48) Methyl methacrylate	9.43	41	30054	15.752	ug/l	97
49) 1,4-Dioxane	9.46	88	7853	304.417	ug/l #	72
51) 4-Methyl-2-Pentanone	10.21	43	165482	81.820	ug/l	100
52) Toluene	10.39	92	160512	20.181	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	75195	18.823	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	88788	19.487	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	42553	19.478	ug/l	94
56) Ethyl methacrylate	10.65	69	48440	17.067	ug/l	99
57) 1,3-Dichloropropane	10.93	76	73690	19.105	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	137861	96.575	ug/l	100
59) 2-Hexanone	10.97	43	116075	80.624	ug/l	98
60) Dibromochloromethane	11.13	129	50447	18.932	ug/l	98
61) 1,2-Dibromoethane	11.24	107	38710	17.901	ug/l	100
64) Tetrachloroethene	10.86	164	61438	20.548	ug/l	95
65) Chlorobenzene	11.66	112	178282	20.299	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	59725	20.111	ug/l	97
67) Ethyl Benzene	11.73	91	315973	20.125	ug/l	98
68) m/p-Xylenes	11.84	106	255078	40.661	ug/l	98
69) o-Xylene	12.17	106	119451	20.287	ug/l	98
70) Styrene	12.18	104	185758	19.609	ug/l	100
71) Bromoform	12.35	173	27124	16.992	ug/l #	97
73) Isopropylbenzene	12.46	105	324160	20.902	ug/l	100
74) N-amyl acetate	12.27	43	64422	16.491	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	46273	18.261	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	62440	33.430	ug/l #	100
77) Bromobenzene	12.75	156	73754	20.125	ug/l	98
78) n-propylbenzene	12.80	91	395560	20.851	ug/l	98
79) 2-Chlorotoluene	12.89	91	220647	20.486	ug/l	97
80) 1,3,5-Trimethylbenzene	12.94	105	268977	19.958	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	12806	16.668	ug/l	98
82) 4-Chlorotoluene	12.99	91	229516	20.222	ug/l	99
83) tert-Butylbenzene	13.21	119	247354	21.226	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	272547	19.536	ug/l	99
85) sec-Butylbenzene	13.38	105	347091	20.714	ug/l	100
86) p-Isopropyltoluene	13.50	119	309603	20.155	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	156121	20.532	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	151456	20.210	ug/l	99
89) n-Butylbenzene	13.83	91	288371	20.039	ug/l	99
90) Hexachloroethane	14.10	117	51209	20.364	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	131308	19.381	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6981	15.229	ug/l	92

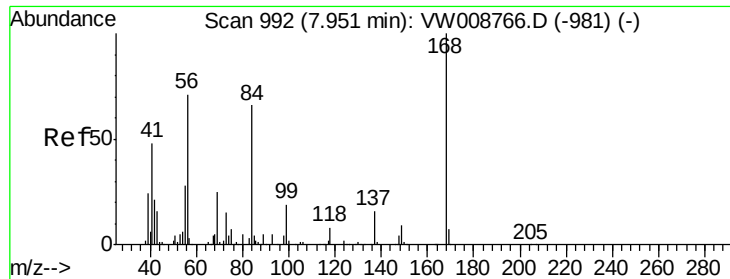
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW022819\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260
QLast Update : Fri Feb 22 00:38:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89754	18.387	ug/l	99
94) Hexachlorobutadiene	15.24	225	60347	20.988	ug/l	99
95) Naphthalene	15.37	128	134491	16.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	77889	18.454	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

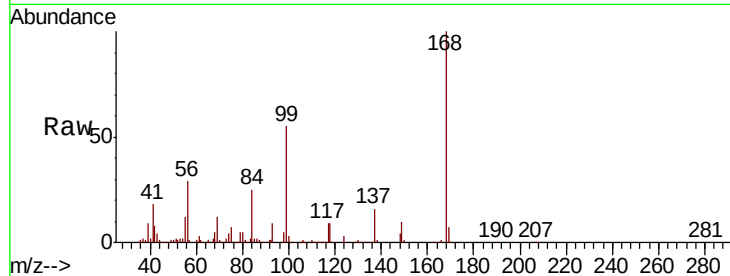
VW0228SBS01

Tot Ion:168 Resp: 317626

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

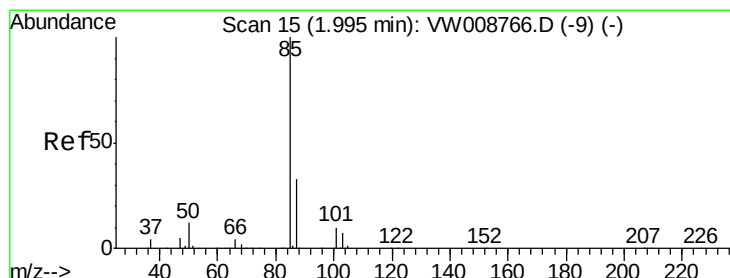
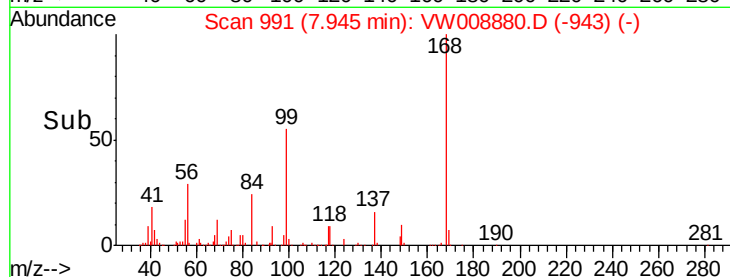
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 18.473 ug/l

RT: 1.99 min Scan# 15

Delta R.T. -0.00 min

Lab File: VW008880.D

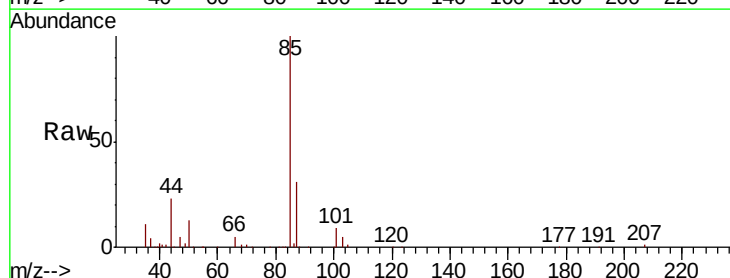
Acq: 28 Feb 2019 11:58

Tgt Ion: 85 Resp: 58768

Ion Ratio Lower Upper

85 100

87 30.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

1.99

40000

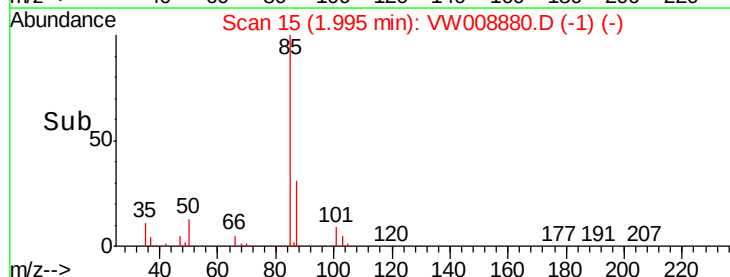
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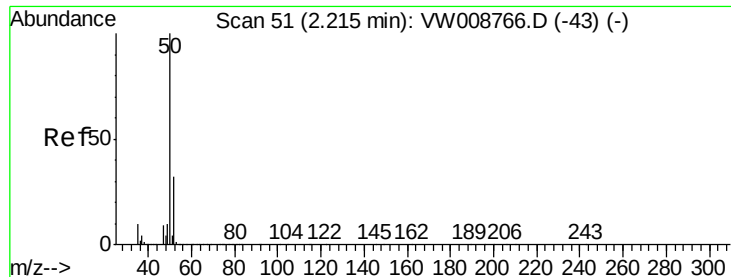
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 18.050 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

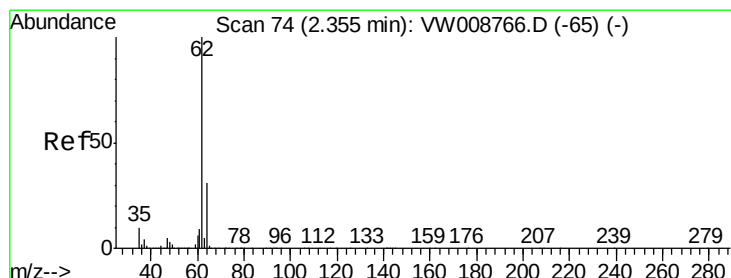
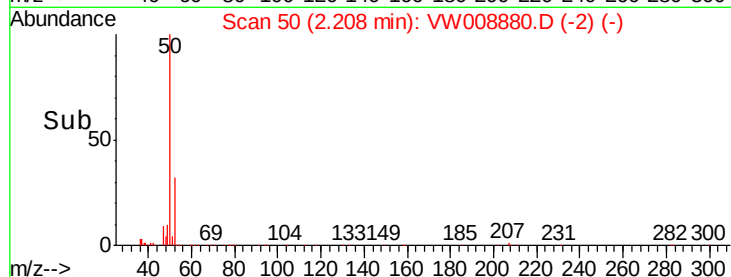
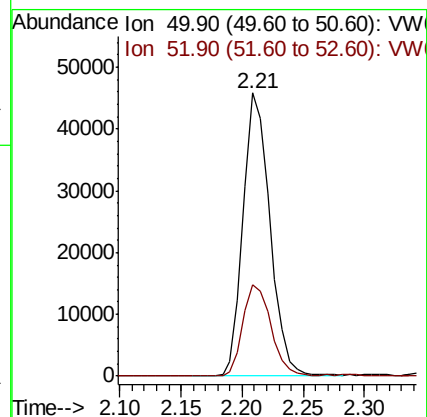
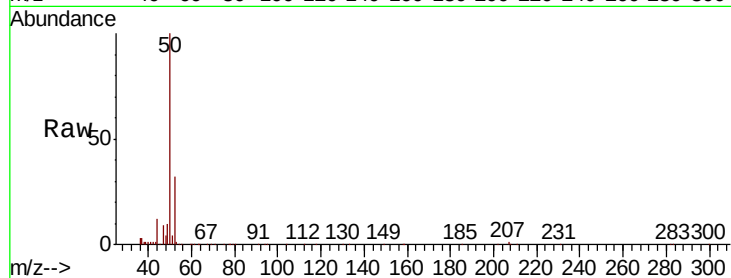
VW0228SBS01

Tot Ion: 50 Resp: 69900

Ion Ratio Lower Upper

50 100

52 31.9 25.9 38.9



#4

Vinyl Chloride

Concen: 17.948 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW008880.D

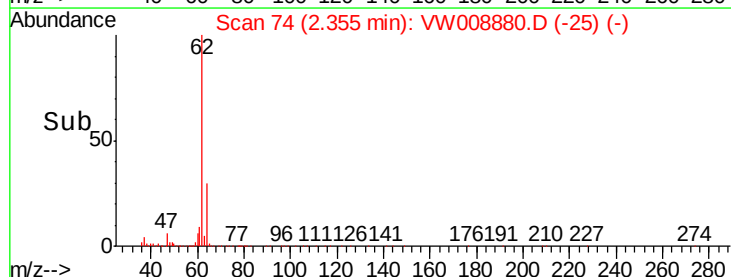
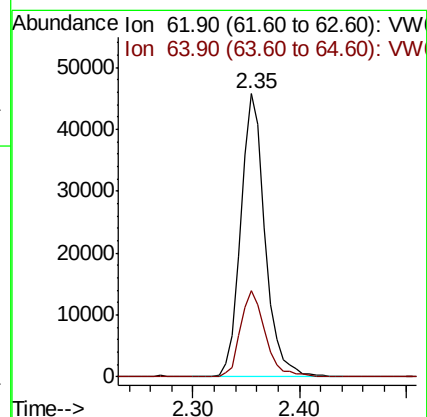
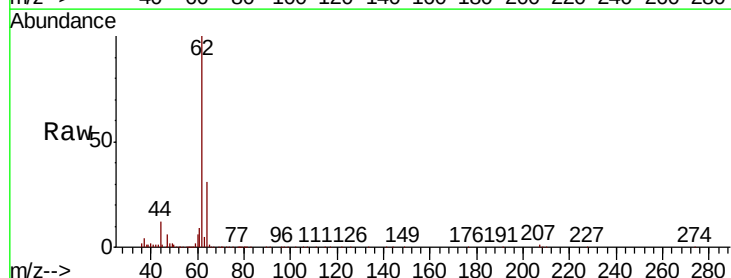
Acq: 28 Feb 2019 11:58

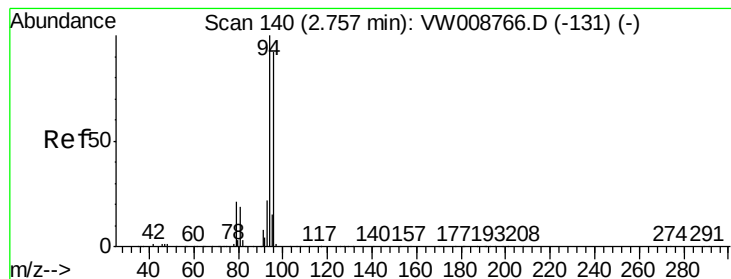
Tgt Ion: 62 Resp: 73590

Ion Ratio Lower Upper

62 100

64 30.4 24.9 37.3





#5

Bromomethane

Concen: 23.690 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

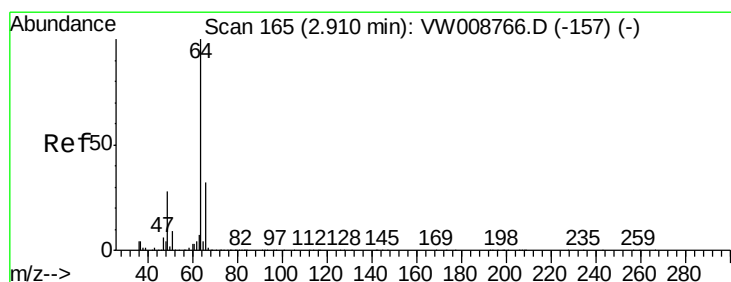
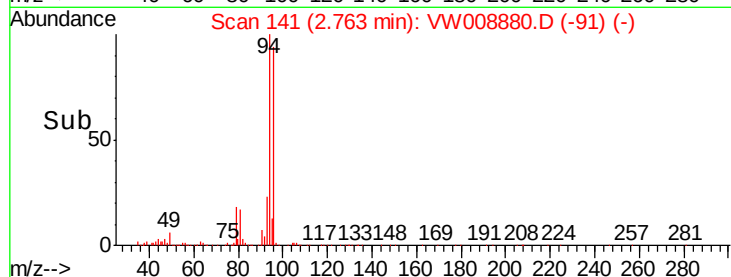
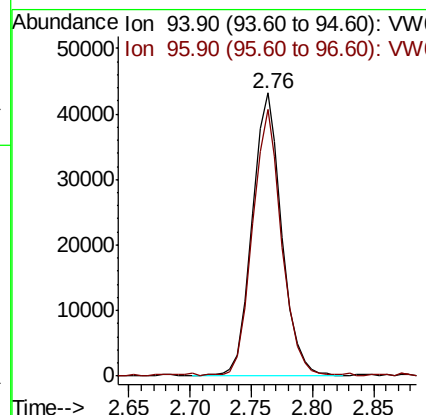
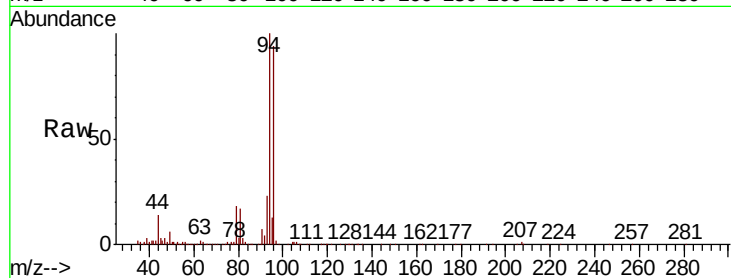
VW0228SBS01

Tot Ion: 94 Resp: 72145

Ion Ratio Lower Upper

94 100

96 93.7 73.4 110.2



#6

Chloroethane

Concen: 18.122 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW008880.D

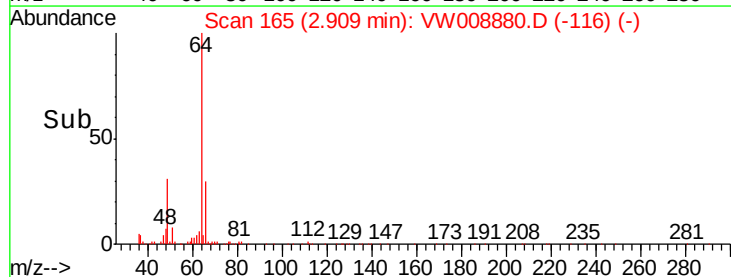
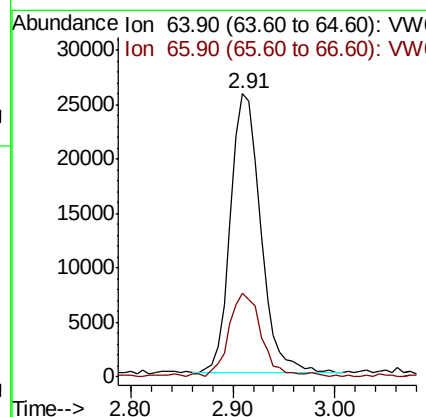
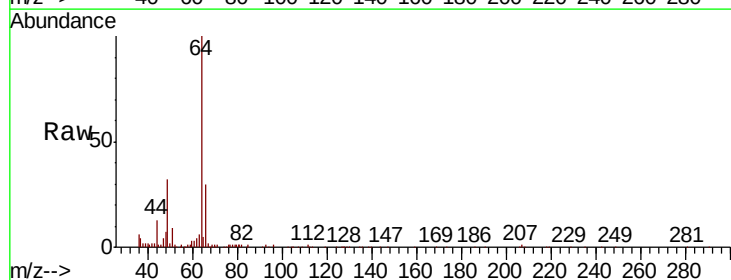
Acq: 28 Feb 2019 11:58

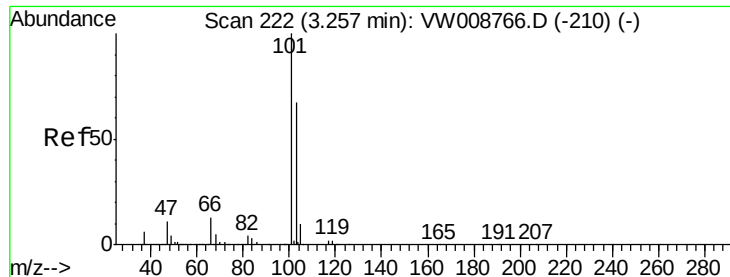
Tgt Ion: 64 Resp: 52761

Ion Ratio Lower Upper

64 100

66 29.7 25.5 38.3



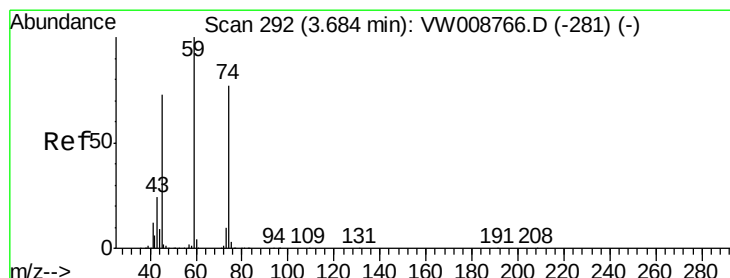
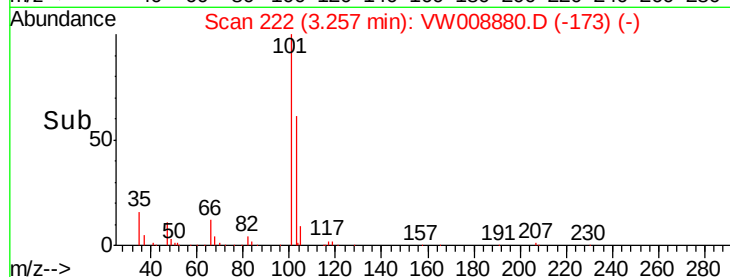
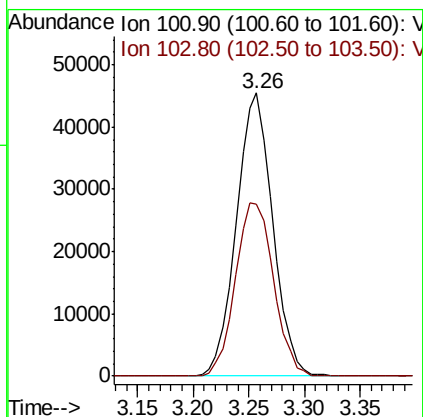
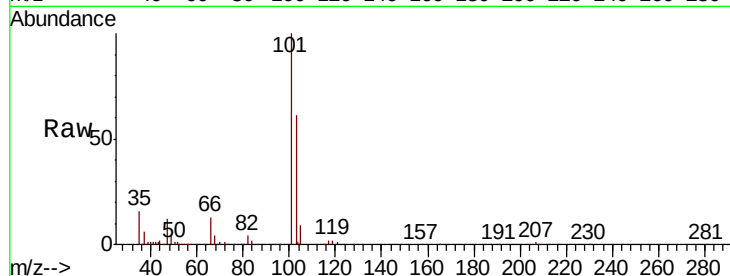


#7

Trichlorofluoromethane
 Concen: 19.859 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW008880.D
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Instrument :
 MSVOA_W
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 VW0228SBS01

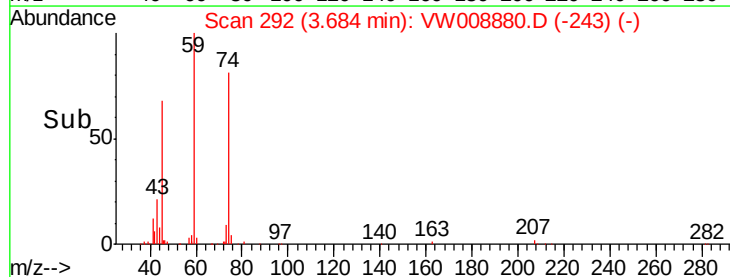
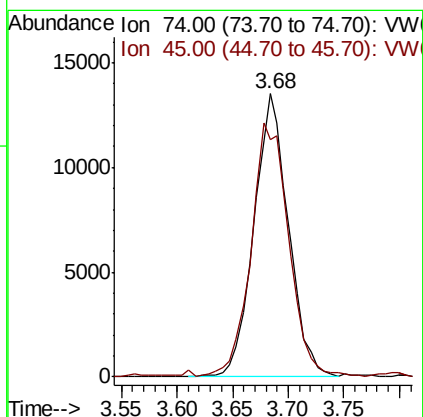
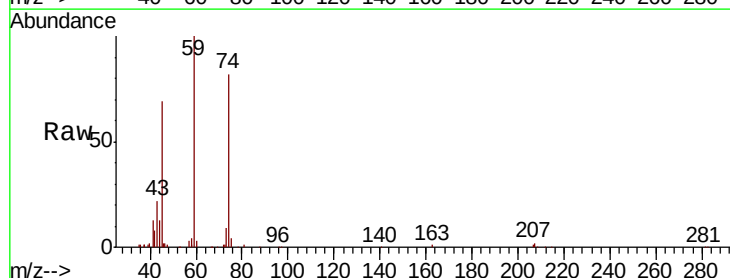
Tot Ion:101 Resp: 102981
 Ion Ratio Lower Upper
 101 100
 103 61.0 53.9 80.9

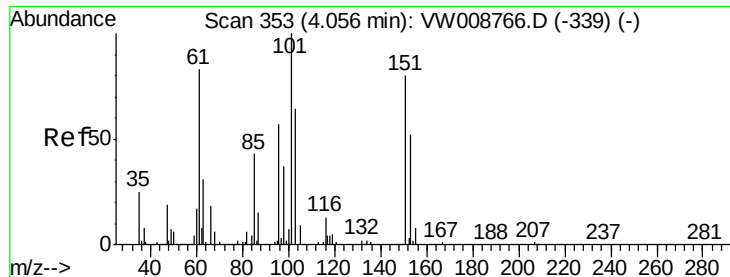


#8

Diethyl Ether
 Concen: 17.800 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 74 Resp: 29223
 Ion Ratio Lower Upper
 74 100
 45 98.2 50.2 150.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.652 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

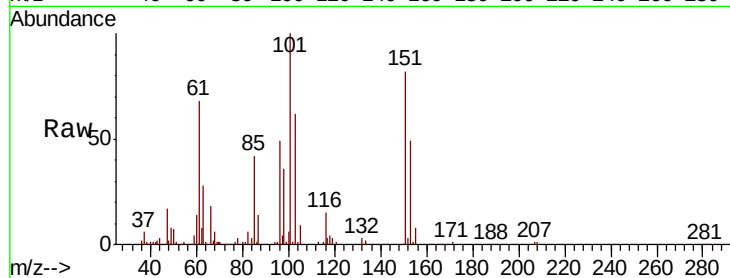
Tot Ion:101 Resp: 61884

Ion Ratio Lower Upper

101 100

85 48.1 36.0 54.0

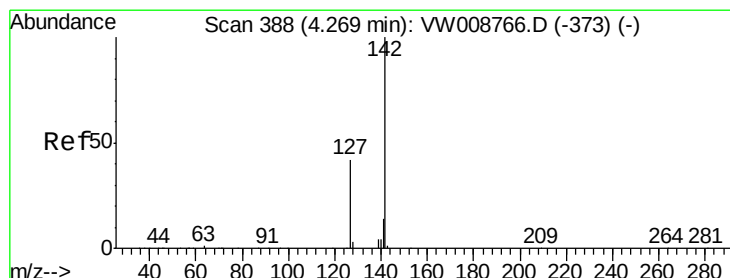
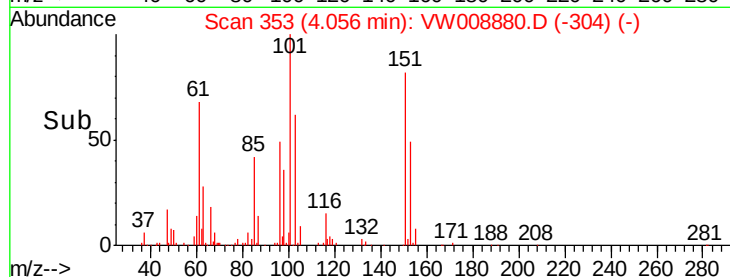
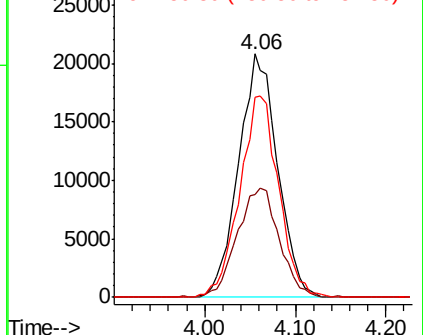
151 82.5 65.5 98.3



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: 14.898 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

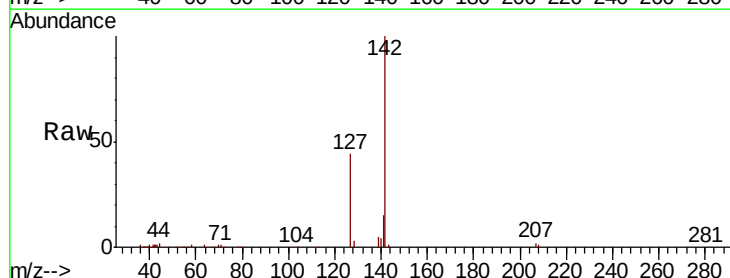
Tgt Ion:142 Resp: 58664

Ion Ratio Lower Upper

142 100

127 44.4 35.3 52.9

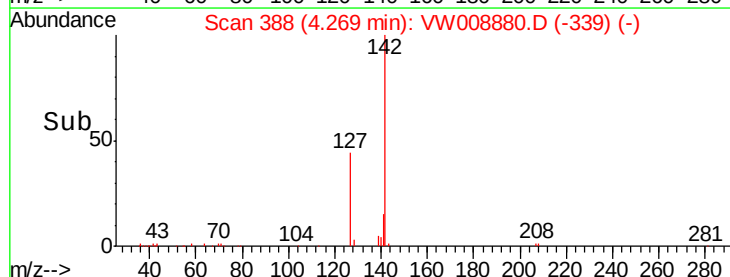
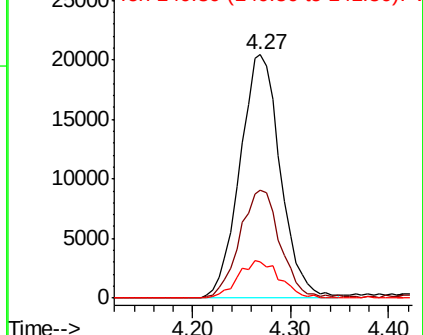
141 15.7 11.7 17.5

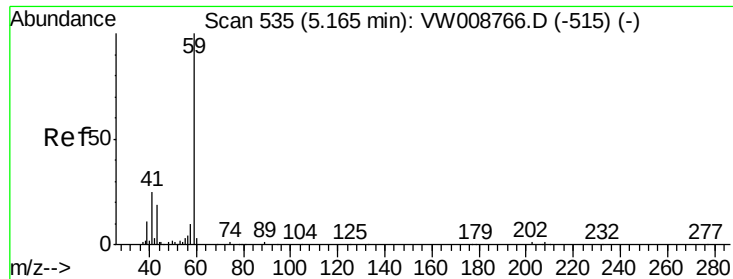


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



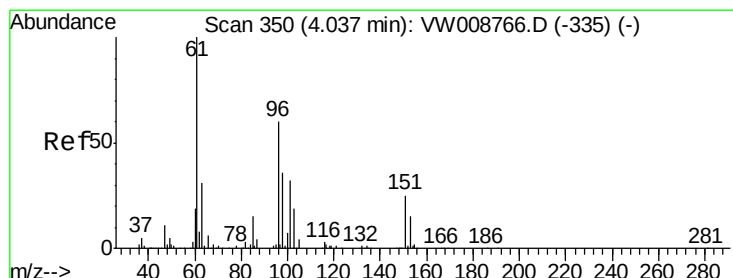
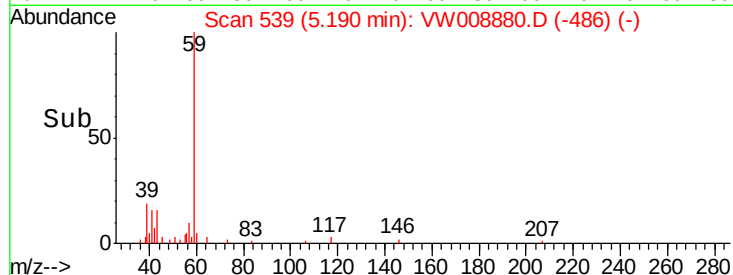
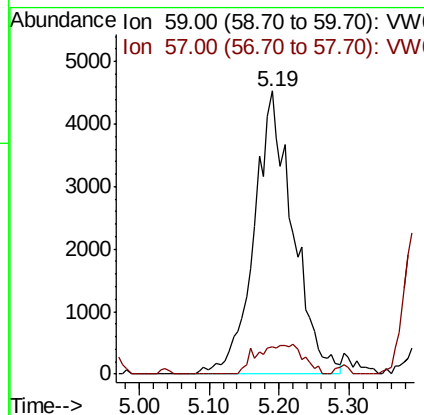
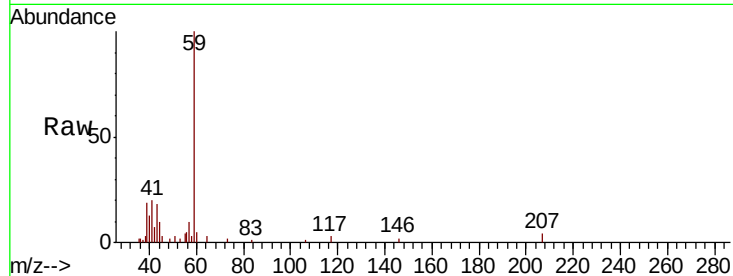


#11

Tert butyl alcohol
 Concen: 65.701 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

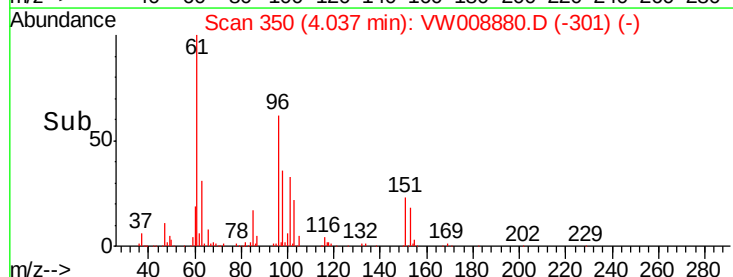
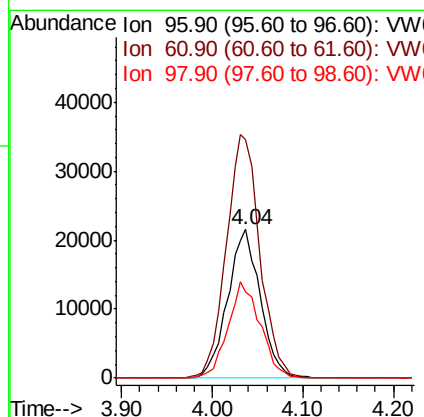
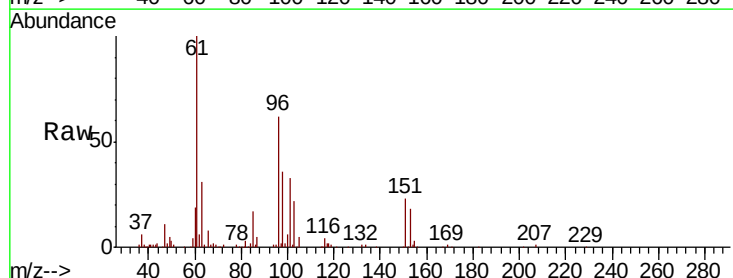
Tot Ion: 59 Resp: 17425
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

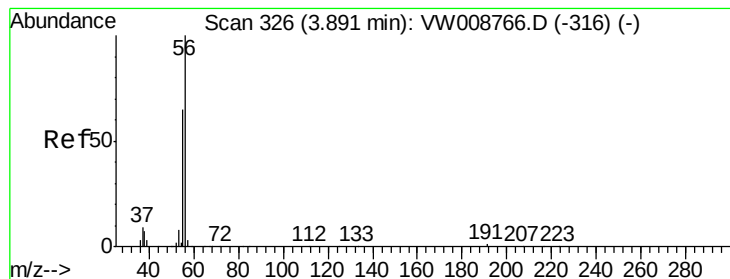


#12

1,1-Dichloroethene
 Concen: 19.520 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 96 Resp: 54285
 Ion Ratio Lower Upper
 96 100
 61 160.3 132.5 198.7
 98 57.9 48.2 72.4





#13

Acrolein

Concen: 71.074 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

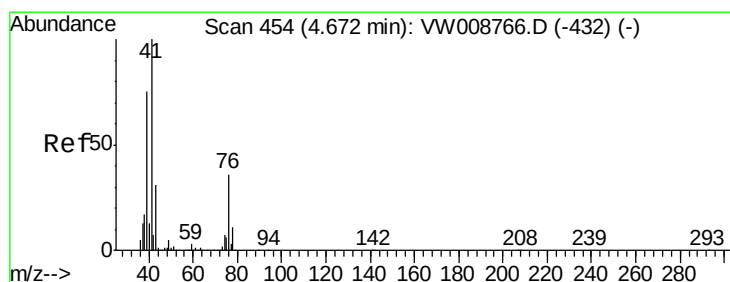
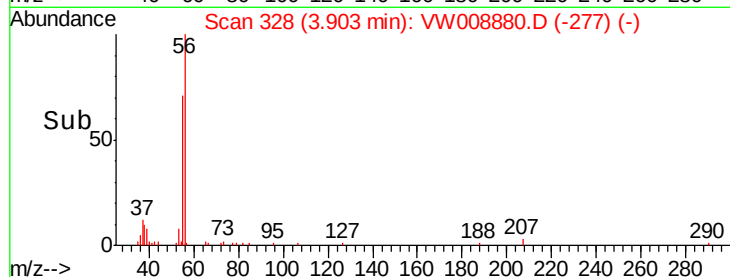
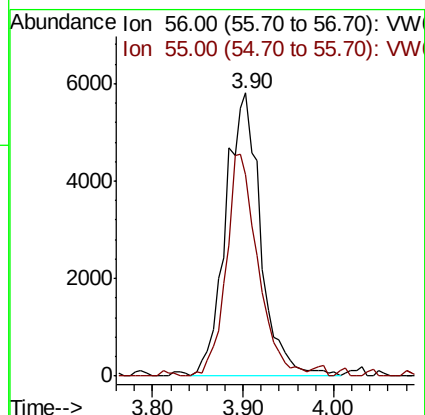
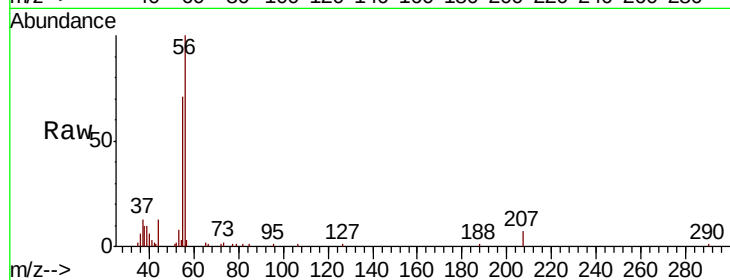
VW0228SBS01

Tot Ion: 56 Resp: 15582

Ion Ratio Lower Upper

56 100

55 71.0 56.9 85.3



#14

Allyl chloride

Concen: 19.406 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

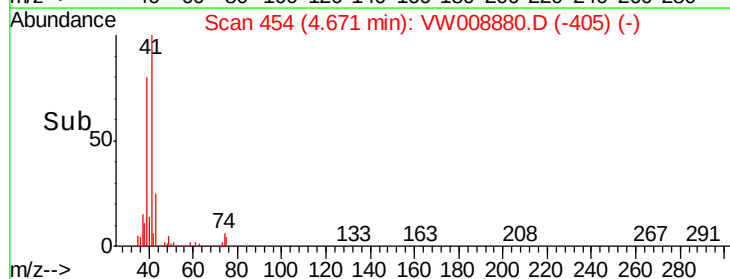
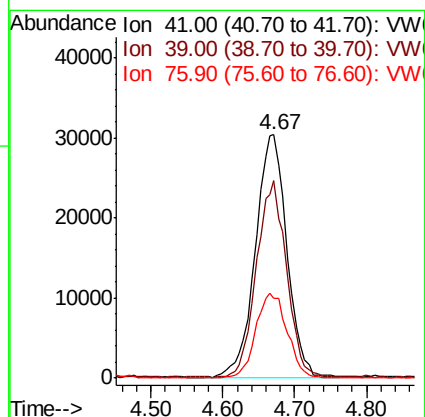
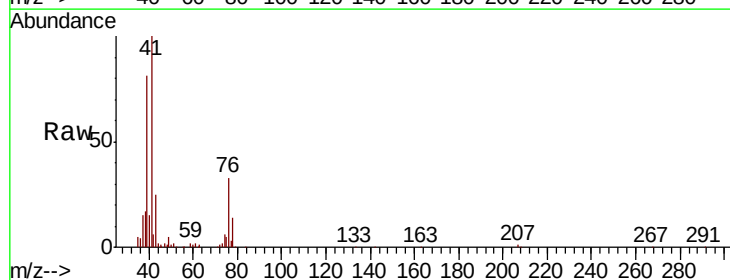
Tgt Ion: 41 Resp: 93147

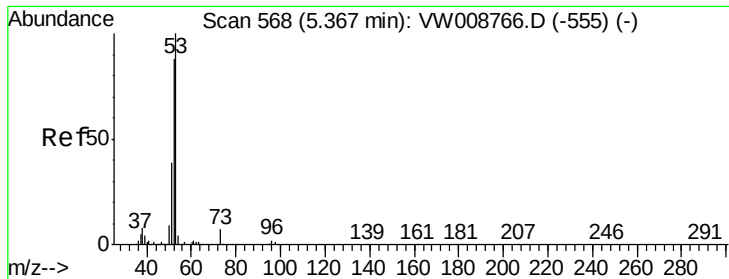
Ion Ratio Lower Upper

41 100

39 77.5 60.6 91.0

76 34.3 28.6 42.8





#15

Acrylonitrile

Concen: 81.567 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

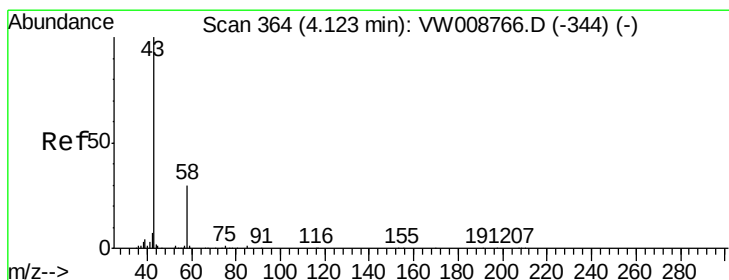
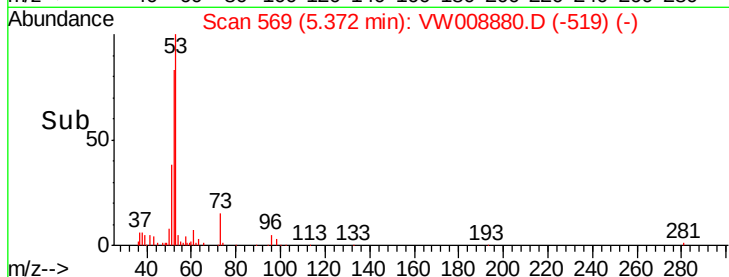
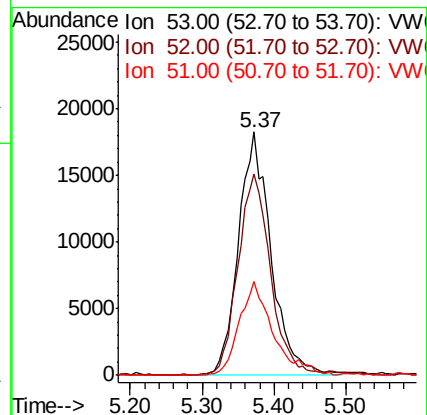
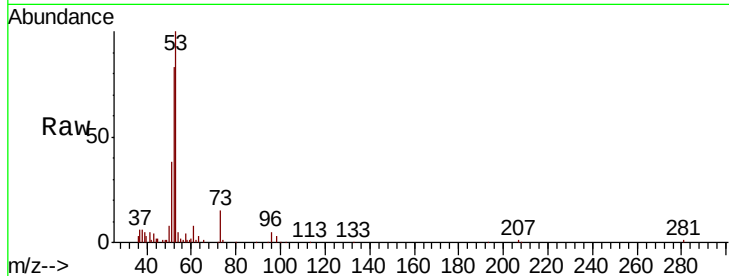
Tot Ion: 53 Resp: 57469

Ion Ratio Lower Upper

53 100

52 82.2 67.2 100.8

51 39.8 31.1 46.7



#16

Acetone

Concen: 82.218 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.01 min

Lab File: VW008880.D

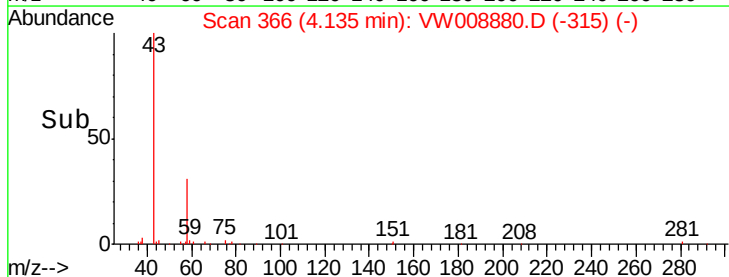
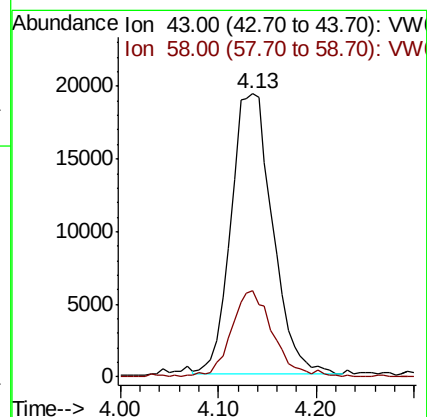
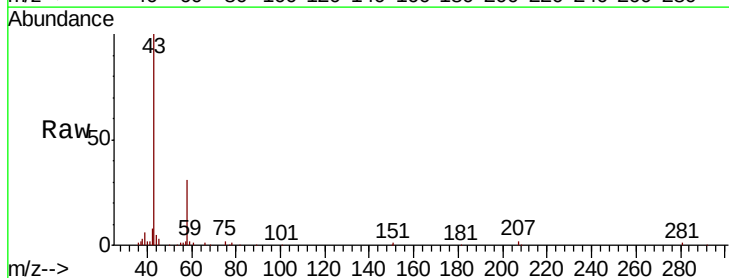
Acq: 28 Feb 2019 11:58

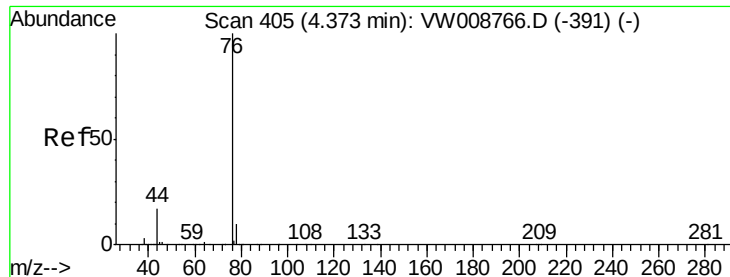
Tgt Ion: 43 Resp: 56773

Ion Ratio Lower Upper

43 100

58 30.6 23.8 35.6

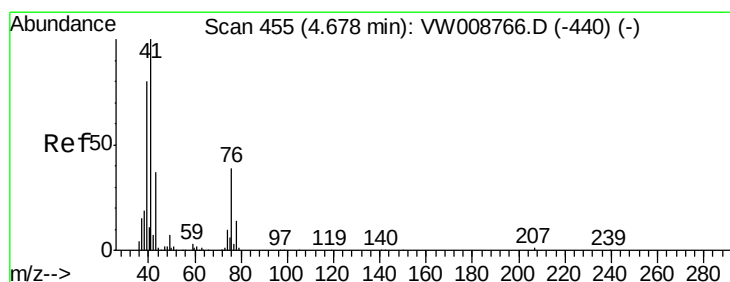
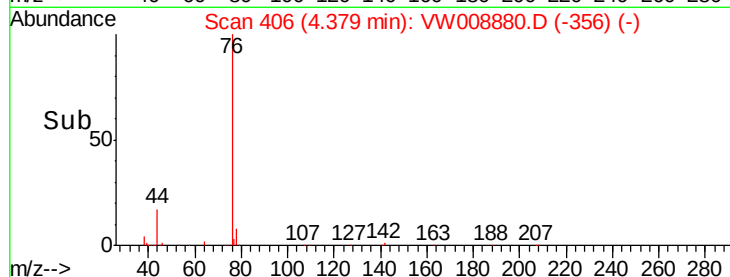
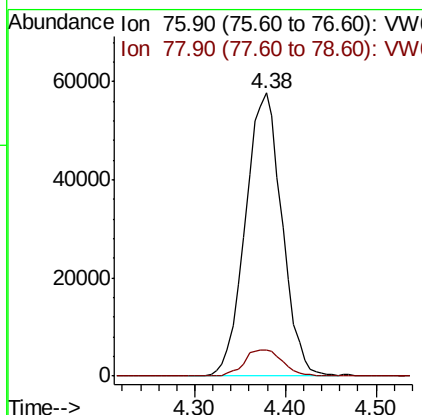
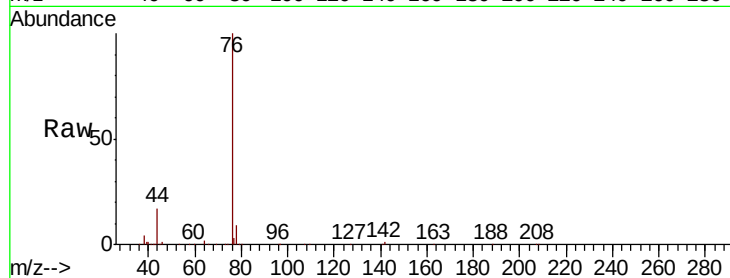




#17
Carbon Disulfide
Concen: 17.454 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

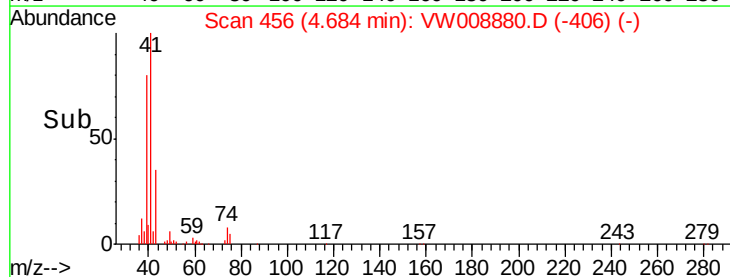
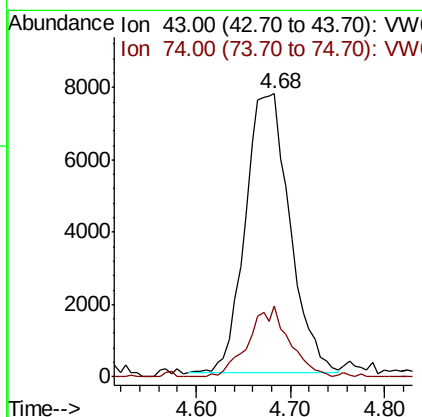
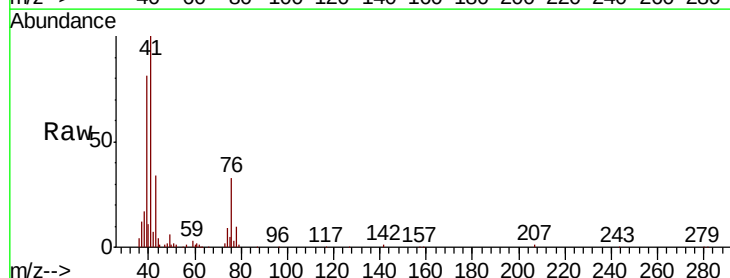
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

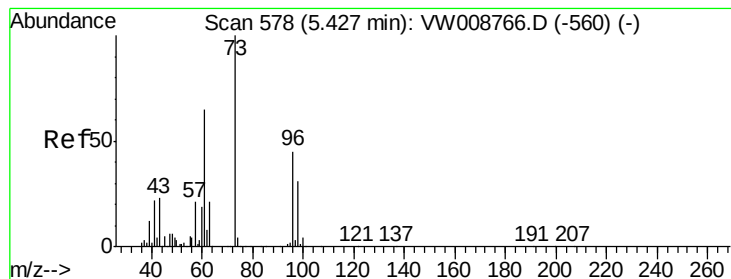
Tot Ion: 76 Resp: 161052
Ion Ratio Lower Upper
76 100
78 9.2 7.8 11.8



#18
Methyl Acetate
Concen: 15.674 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 43 Resp: 25672
Ion Ratio Lower Upper
43 100
74 22.8 19.4 29.2



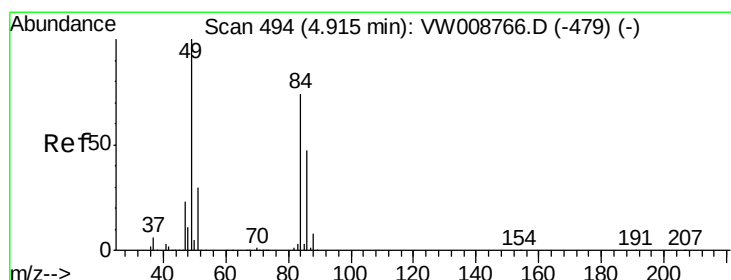
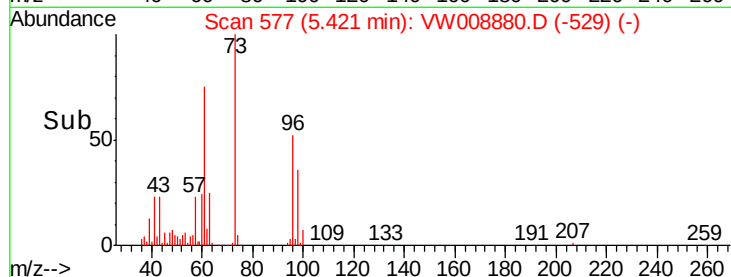
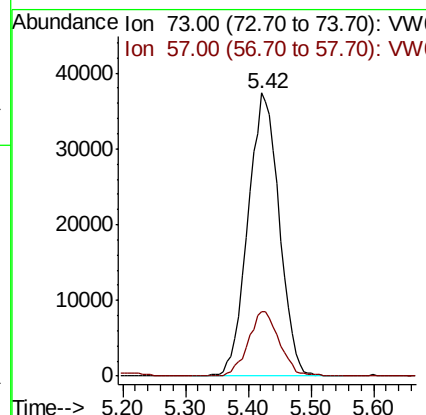
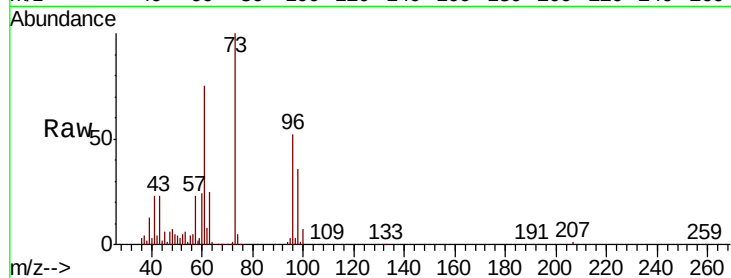


#19

Methyl tert-butyl Ether
 Concen: 17.124 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

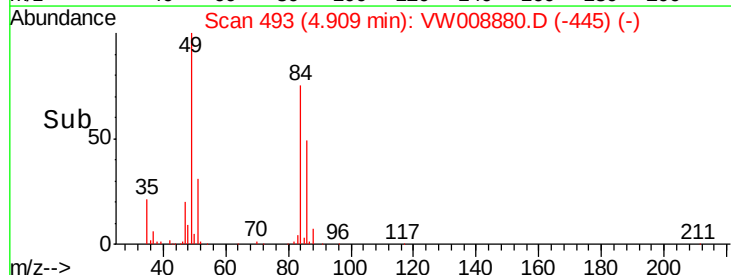
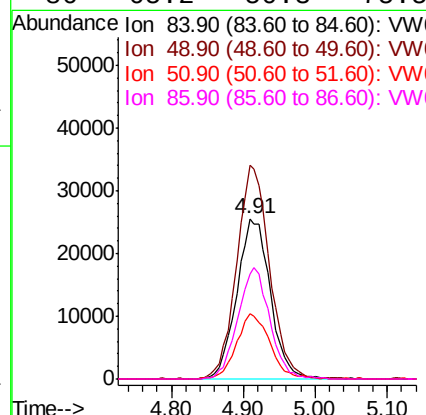
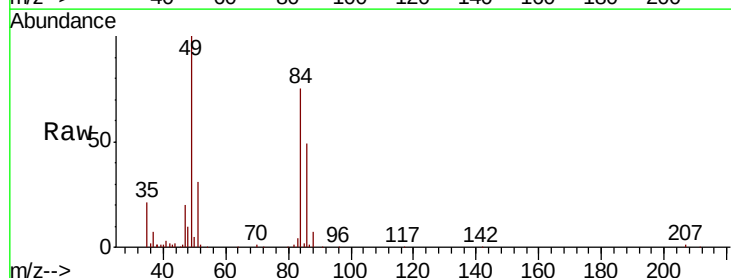
Tot Ion: 73 Resp: 128895
 Ion Ratio Lower Upper
 73 100
 57 22.8 16.8 25.2

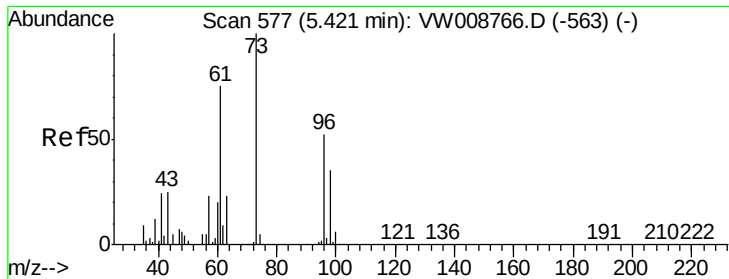


#20

Methylene Chloride
 Concen: 21.309 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 84 Resp: 82457
 Ion Ratio Lower Upper
 84 100
 49 133.3 108.2 162.2
 51 40.8 32.7 49.1
 86 65.2 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 18.907 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

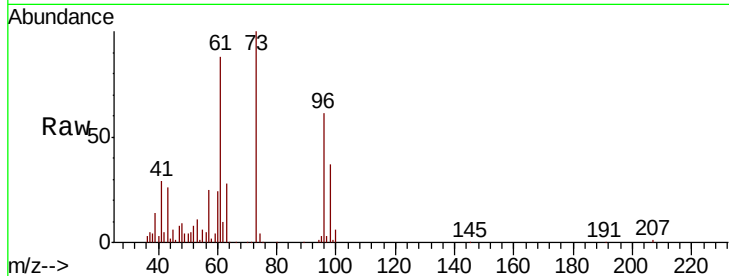
Tot Ion: 96 Resp: 60823

Ion Ratio Lower Upper

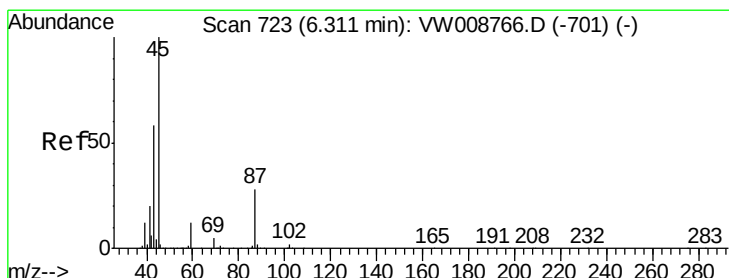
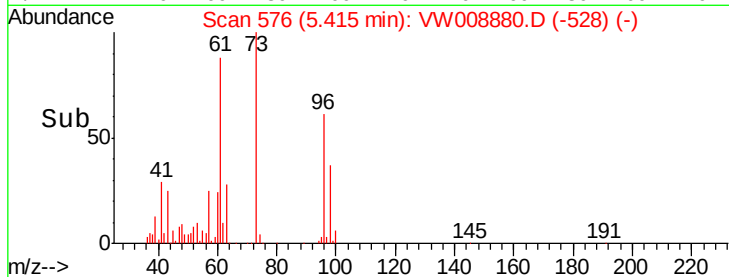
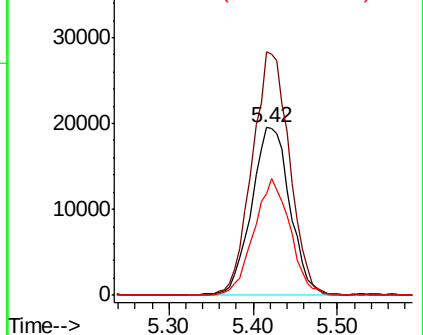
96 100

61 145.2 114.6 171.8

98 60.8 54.0 81.0



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: 18.871 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Tgt Ion: 45 Resp: 180681

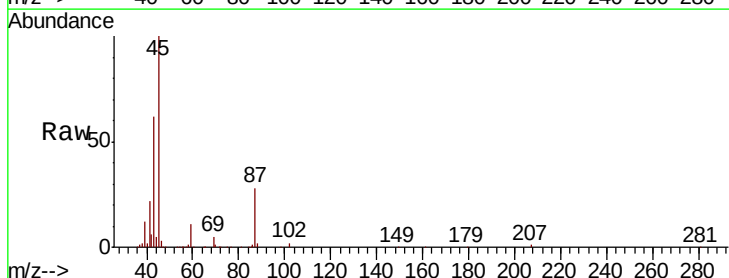
Ion Ratio Lower Upper

45 100

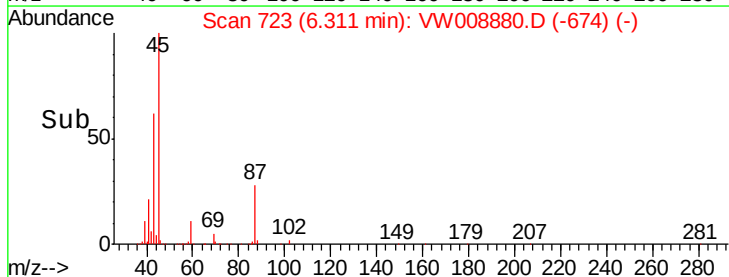
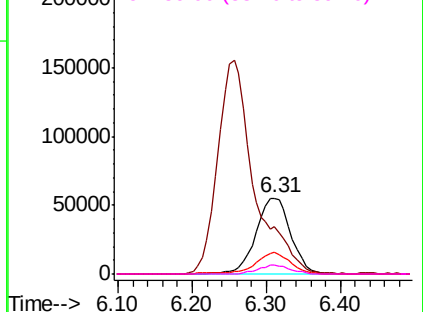
43 61.4 46.1 69.1

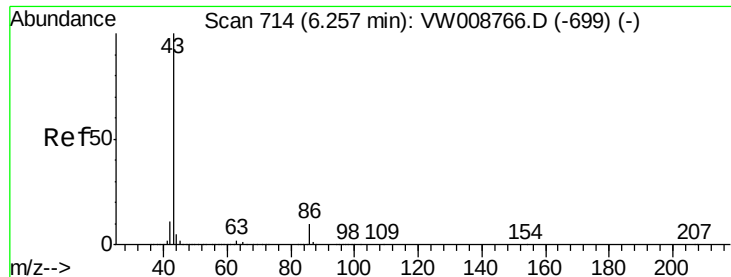
87 28.3 22.2 33.4

59 11.1 10.0 15.0



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: 89.672 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

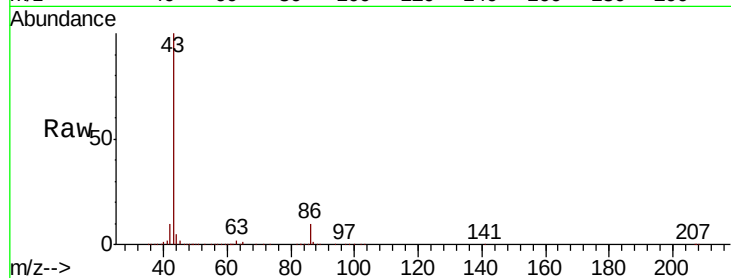
VW0228SBS01

Tot Ion: 43 Resp: 530483

Ion Ratio Lower Upper

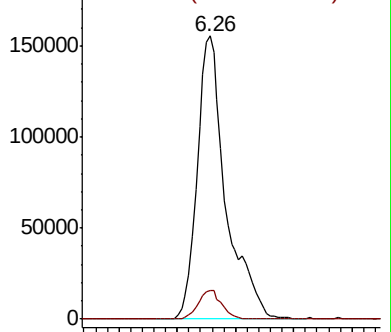
43 100

86 10.2 8.1 12.1

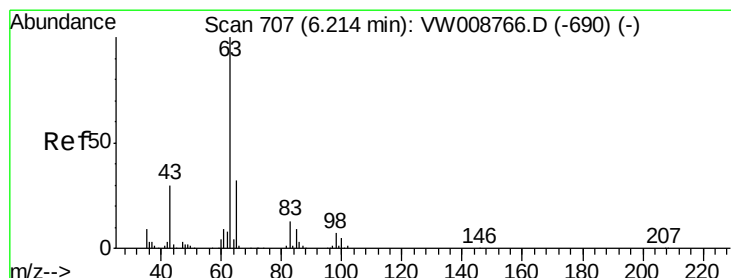
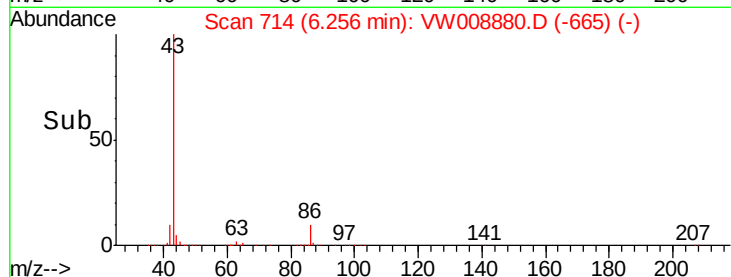


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 19.510 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

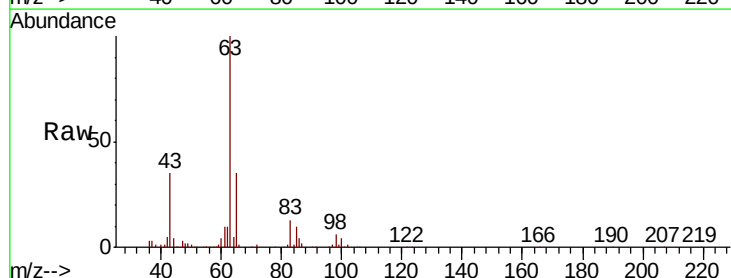
Tgt Ion: 63 Resp: 108248

Ion Ratio Lower Upper

63 100

98 5.8 3.5 10.6

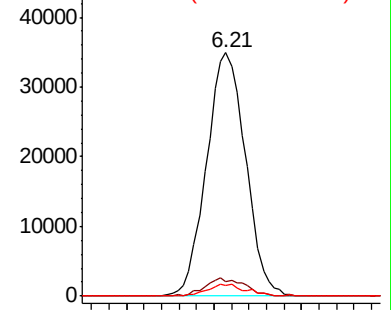
100 4.2 2.4 7.2



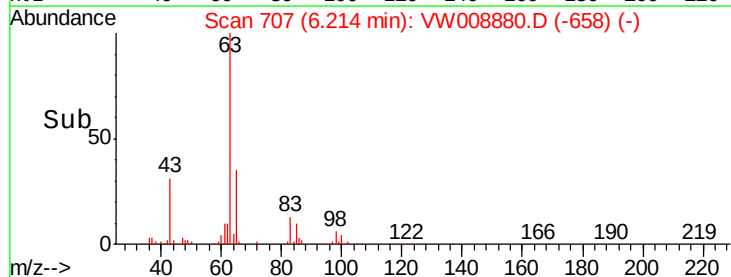
Abundance Ion 62.90 (62.60 to 63.60): VW

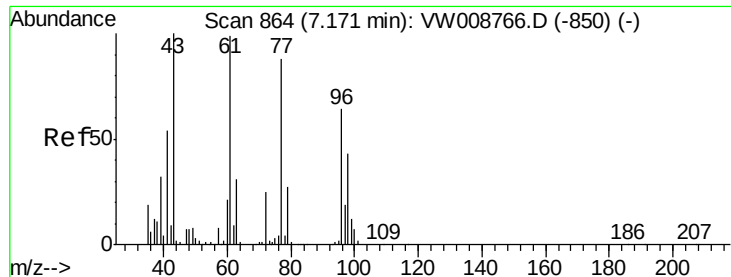
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 80.512 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

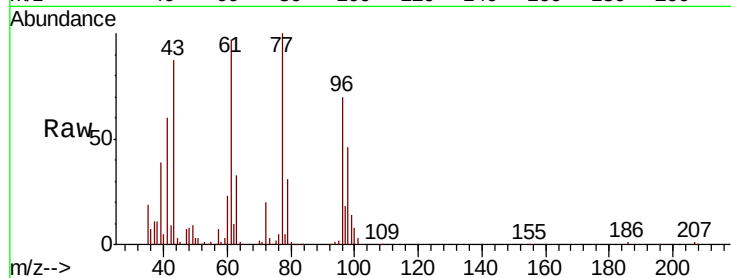
VW0228SBS01

Tot Ion: 43 Resp: 77726

Ion Ratio Lower Upper

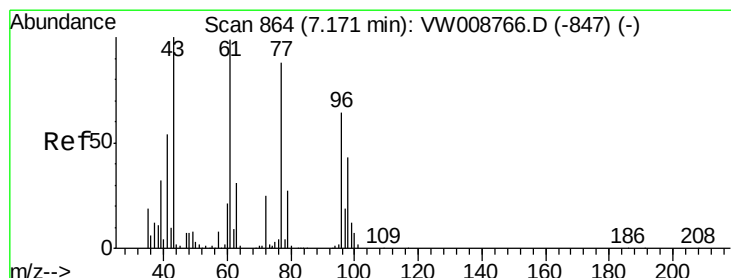
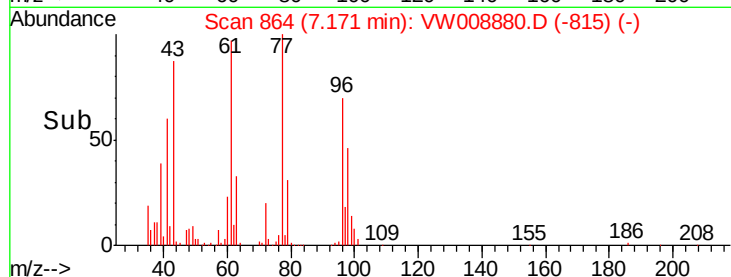
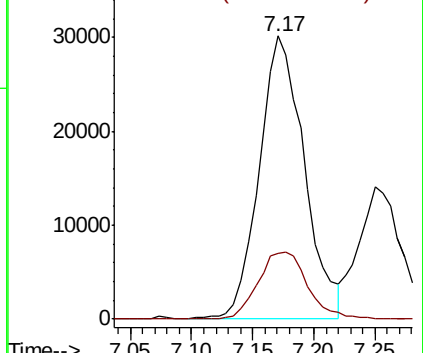
43 100

72 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#26

2,2-Dichloropropane

Concen: 19.899 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008880.D

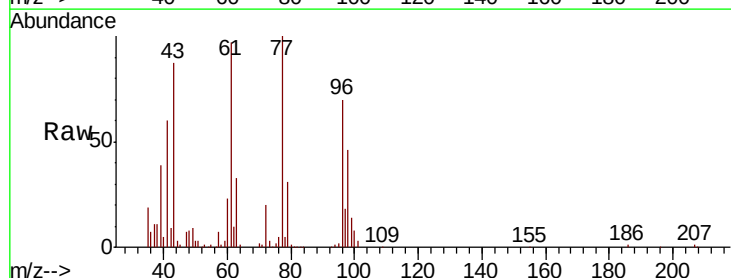
Acq: 28 Feb 2019 11:58

Tgt Ion: 77 Resp: 100237

Ion Ratio Lower Upper

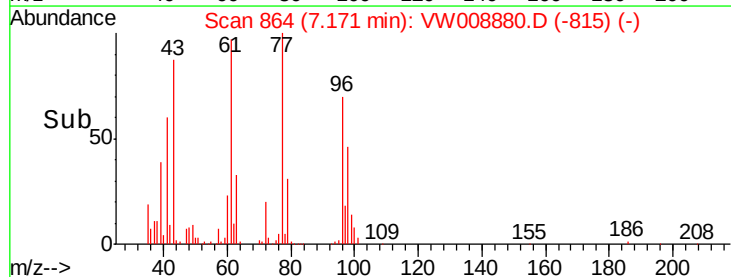
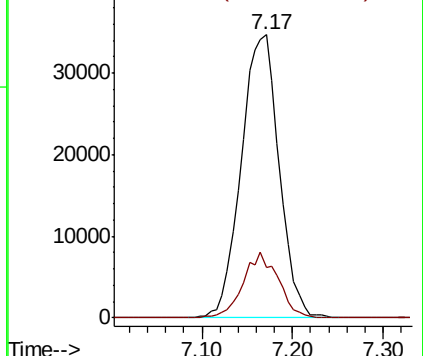
77 100

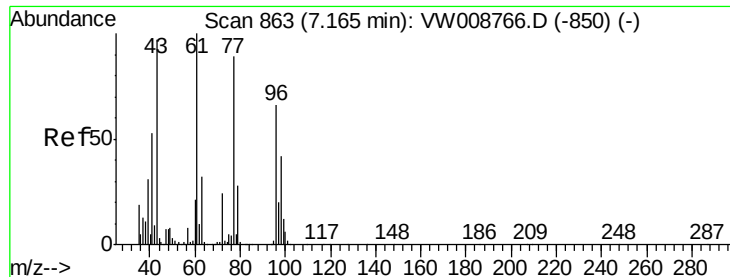
97 21.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW



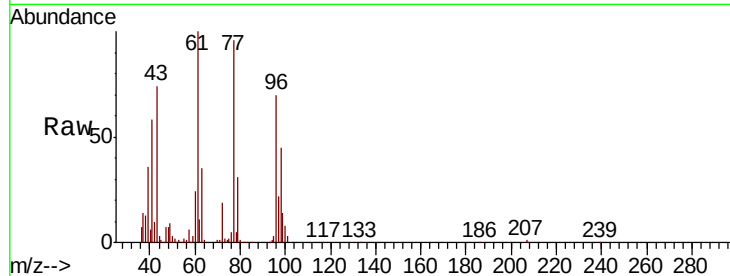


#27

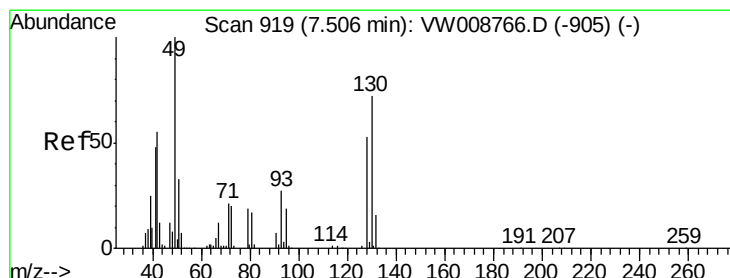
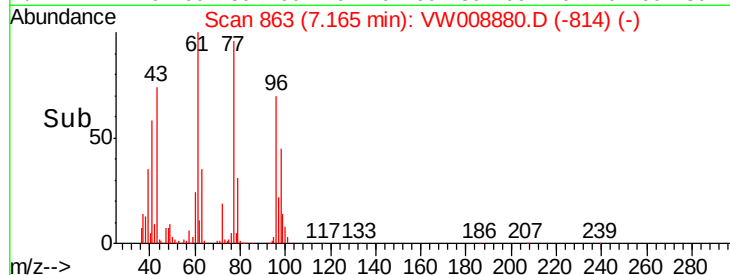
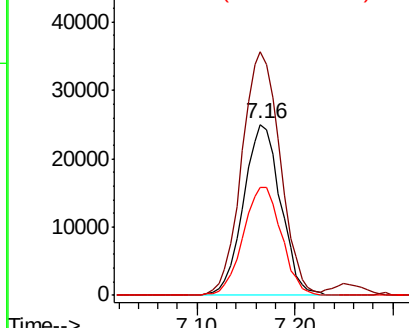
cis-1,2-Dichloroethene
 Concen: 19.102 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.6	0.0	302.6
98	65.1	0.0	130.0



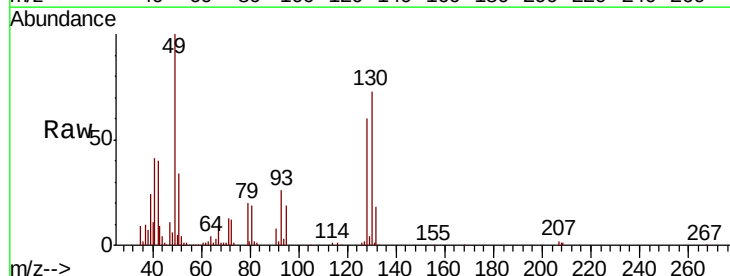
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



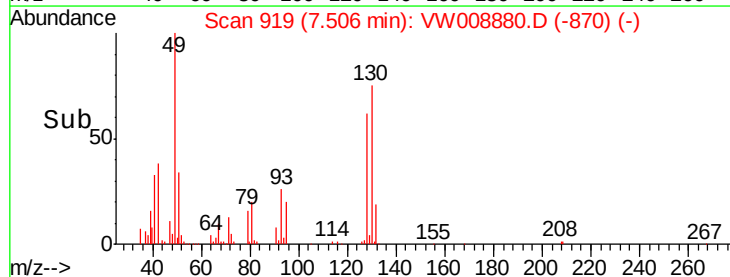
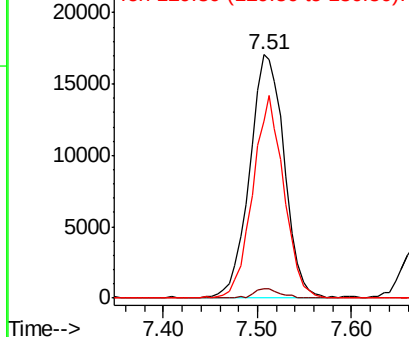
#28

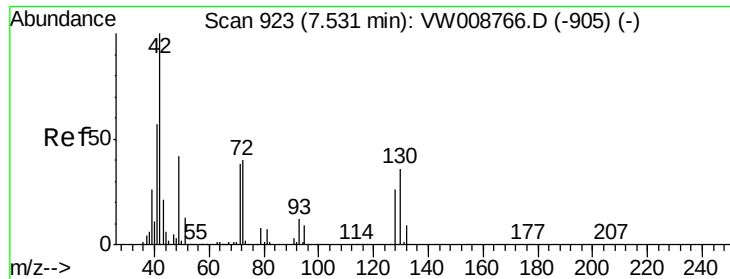
Bromochloromethane
 Concen: 18.958 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	2.6#
130	74.6	61.3	91.9



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

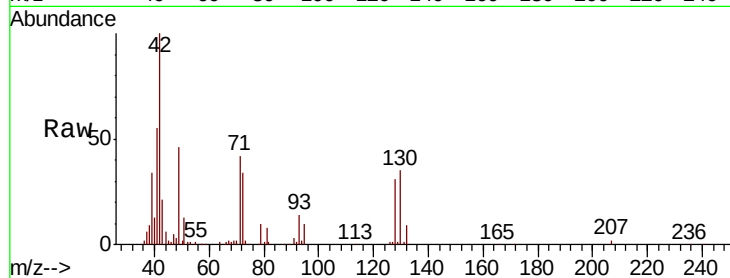




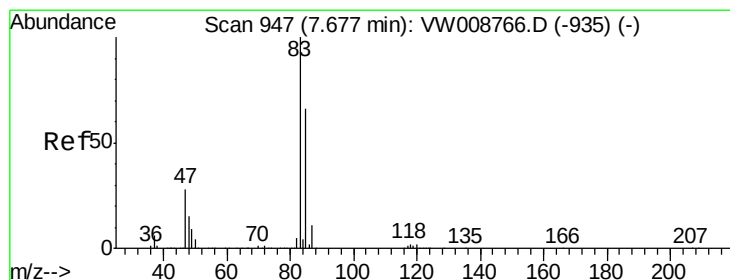
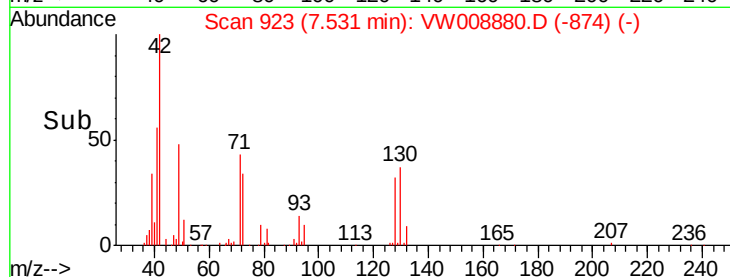
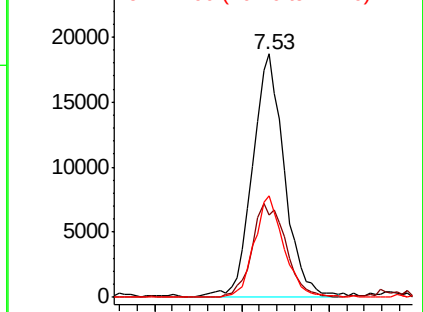
#29
Tetrahydrofuran
Concen: 77.295 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion: 42 Resp: 47553
Ion Ratio Lower Upper
42 100
72 40.8 32.7 49.1
71 38.7 31.3 46.9

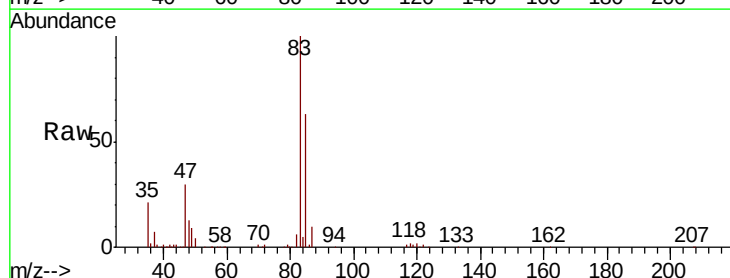


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

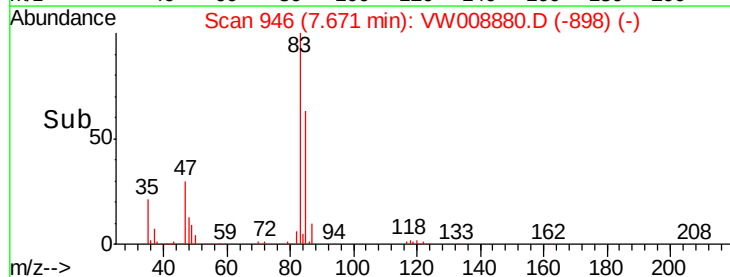
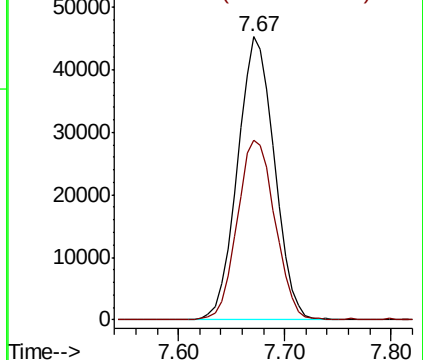


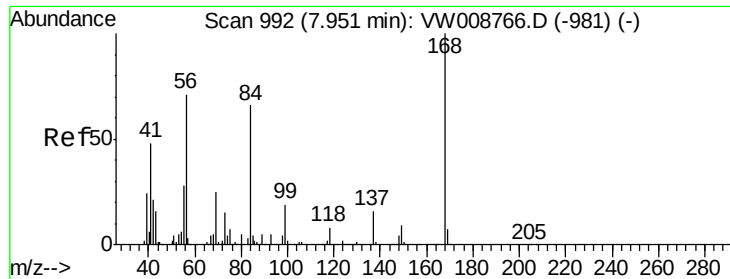
#30
Chloroform
Concen: 19.338 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 83 Resp: 110072
Ion Ratio Lower Upper
83 100
85 63.3 52.6 79.0



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

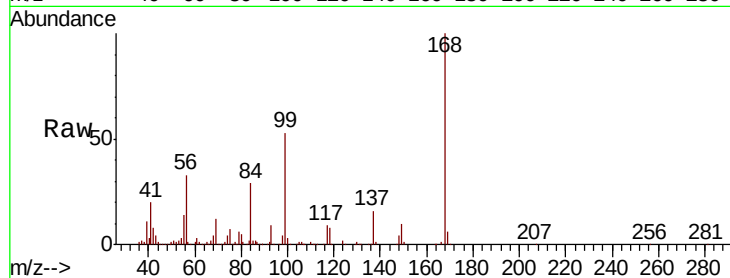




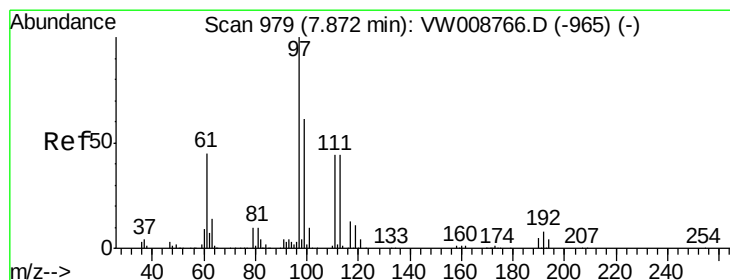
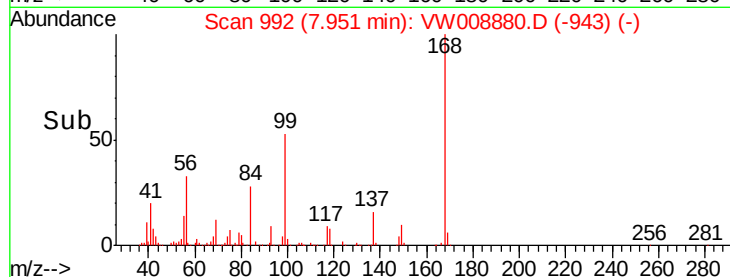
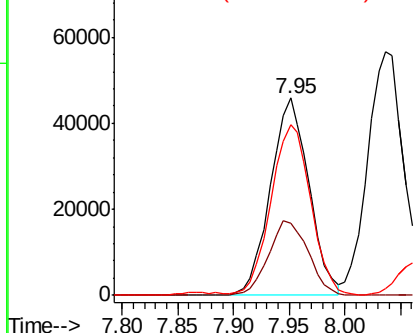
#31
Cyclohexane
Concen: 19.622 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion: 56 Resp: 110203
Ion Ratio Lower Upper
56 100
69 36.6 28.2 42.4
84 85.5 74.1 111.1

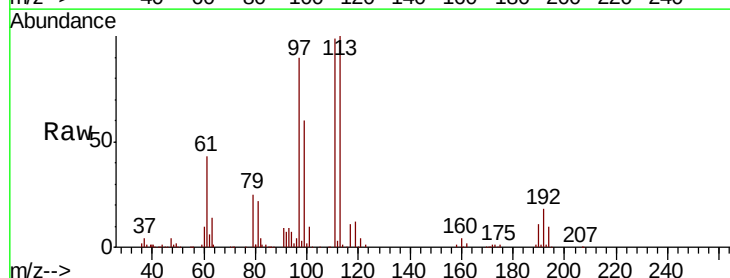


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

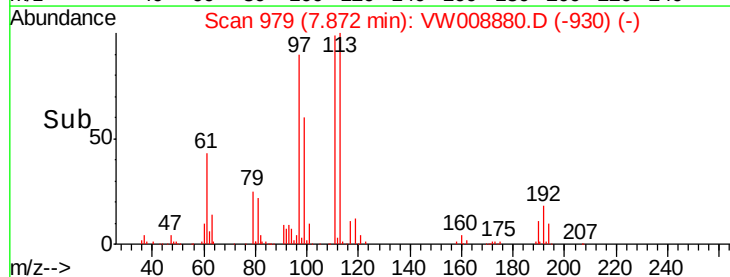
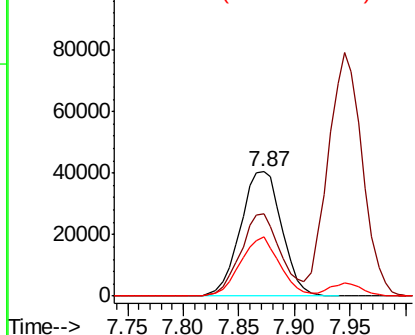


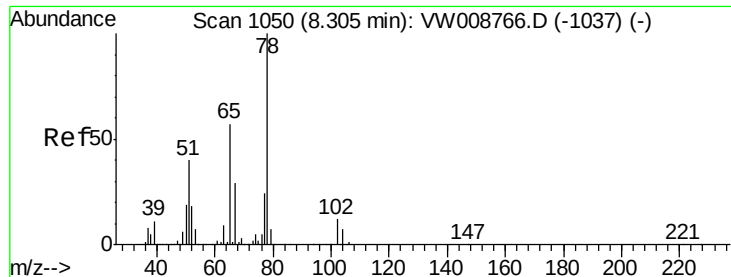
#32
1,1,1-Trichloroethane
Concen: 20.205 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 97 Resp: 104588
Ion Ratio Lower Upper
97 100
99 64.4 50.8 76.2
61 45.1 36.0 54.0



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

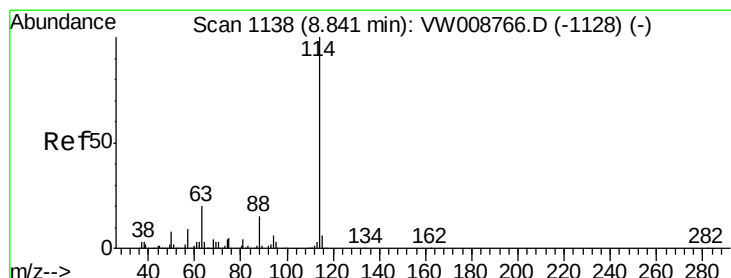
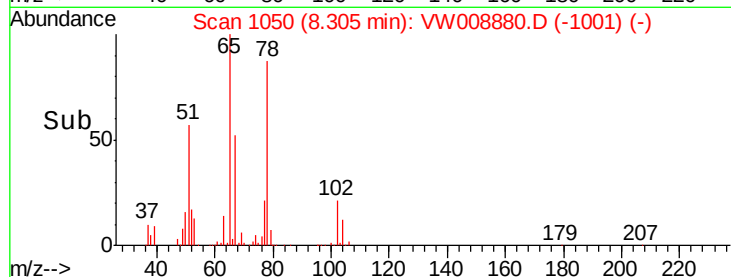
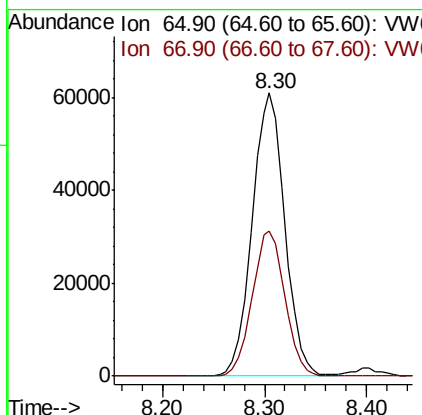
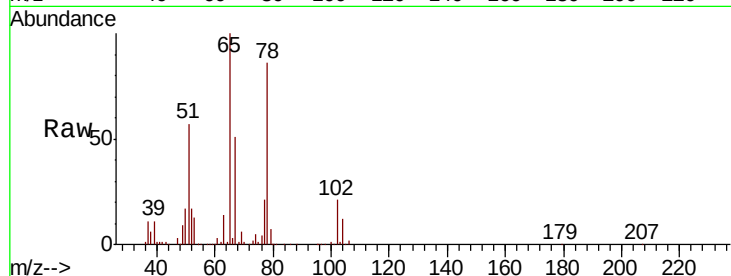




#33
 1,2-Dichloroethane-d4
 Concen: 45.510 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

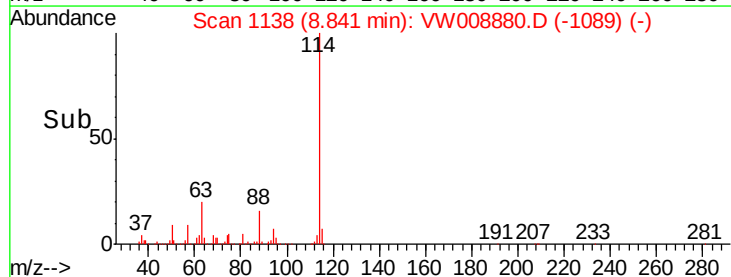
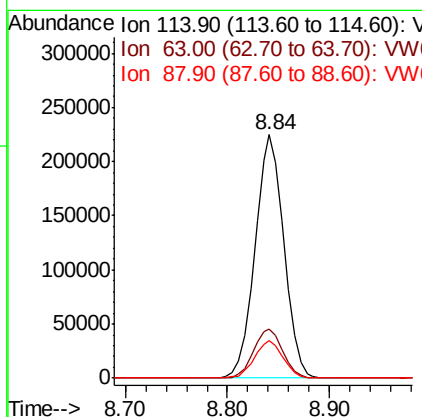
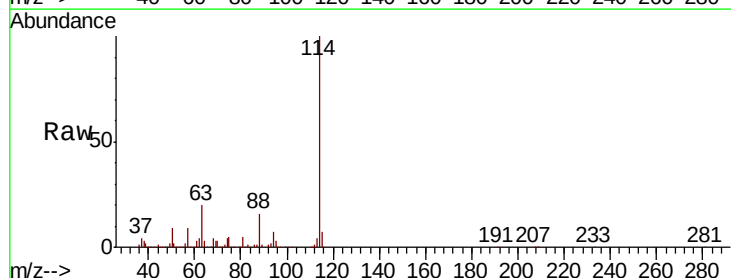
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

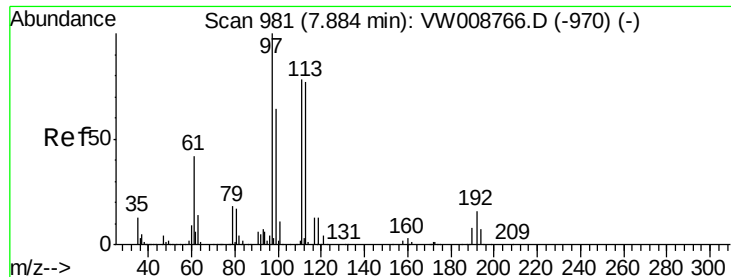
Tot Ion: 65 Resp: 135576
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 114 Resp: 440947
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 15.6 0.0 30.4

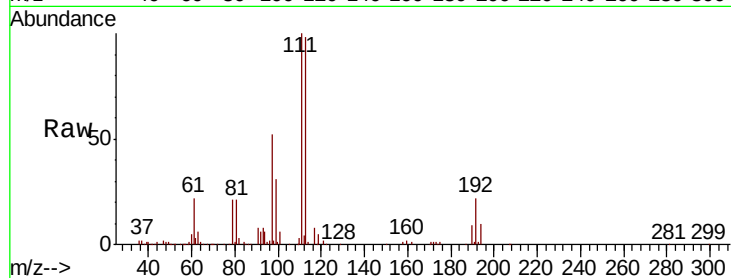




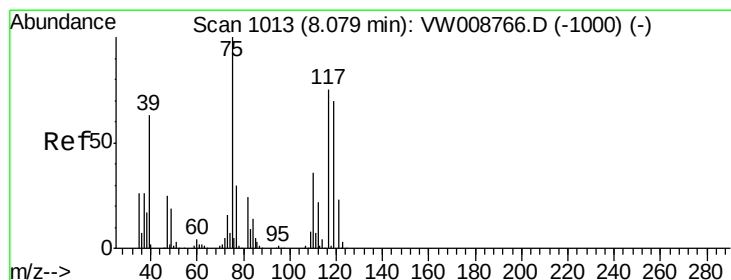
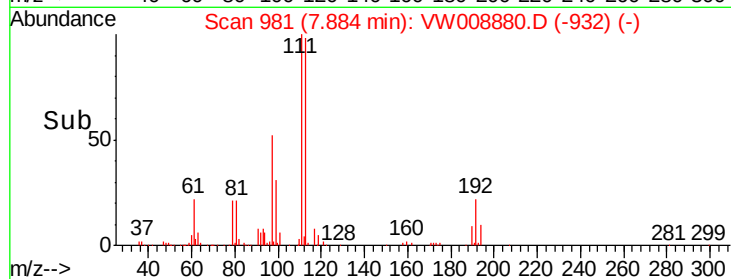
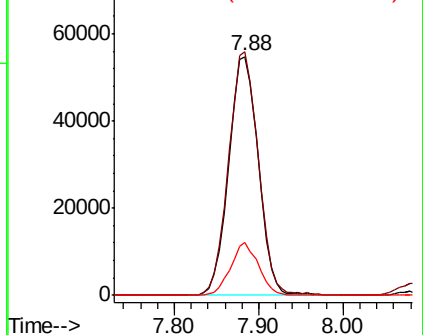
#35
 Dibromofluoromethane
 Concen: 49.205 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.9	122.9
192	20.7	17.1	25.7

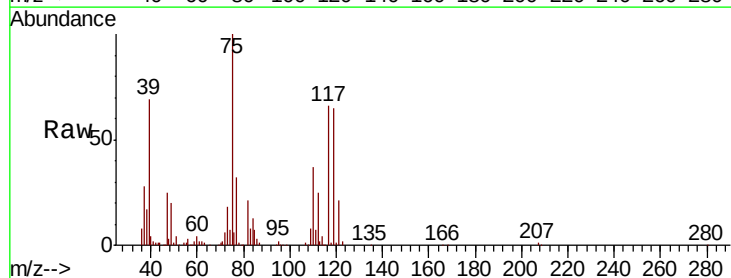


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

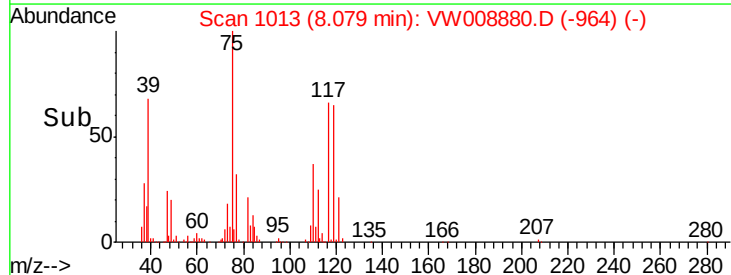
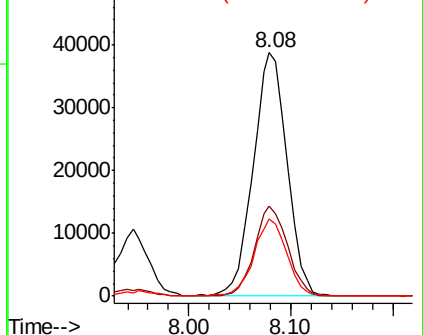


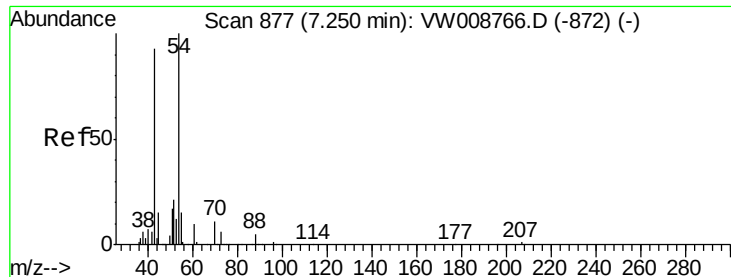
#36
 1,1-Dichloropropene
 Concen: 20.830 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.5	52.6
77	30.9	24.5	36.7



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

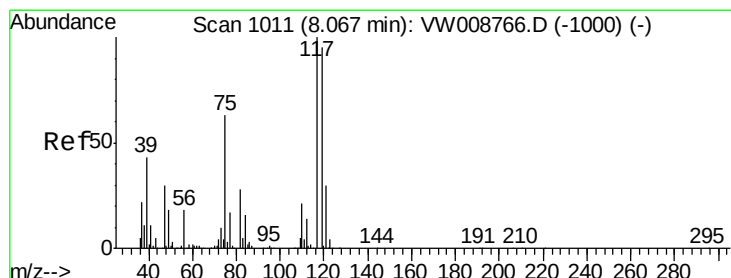
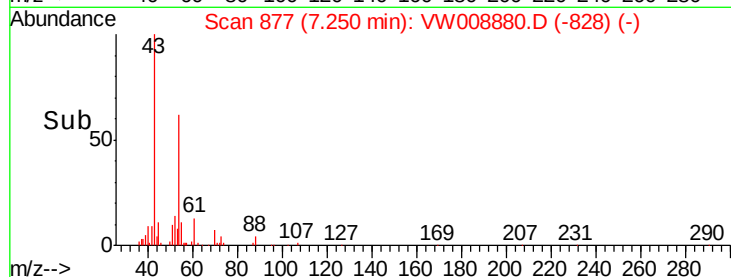
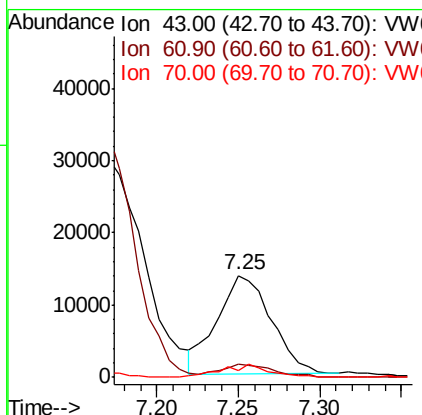
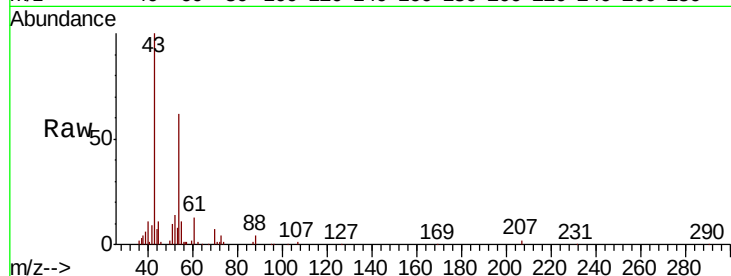




#37
Ethyl Acetate
Concen: 15.906 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

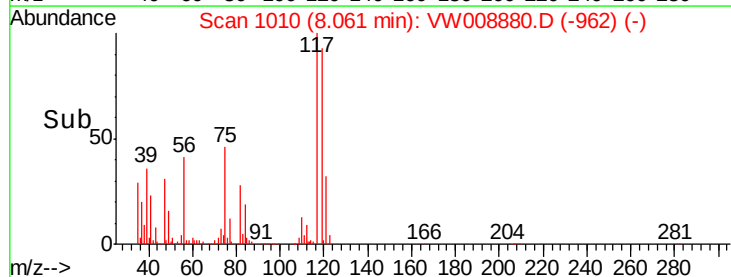
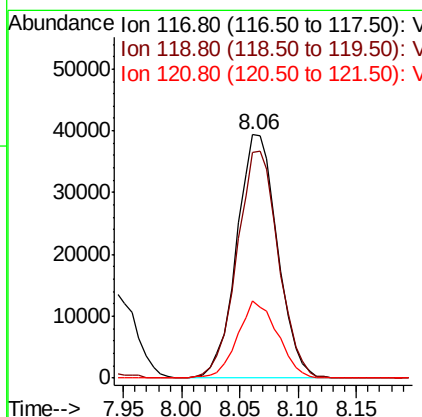
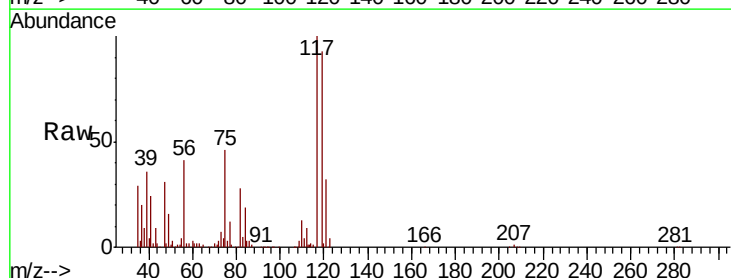
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

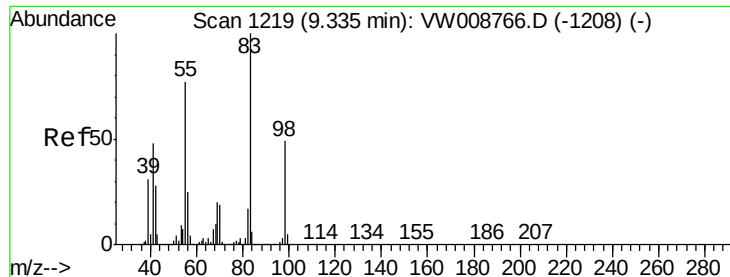
Tot Ion: 43 Resp: 31748
Ion Ratio Lower Upper
43 100
61 13.1 9.8 14.8
70 11.8 8.4 12.6



#38
Carbon Tetrachloride
Concen: 21.162 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 117 Resp: 95792
Ion Ratio Lower Upper
117 100
119 92.7 76.1 114.1
121 31.7 24.0 36.0

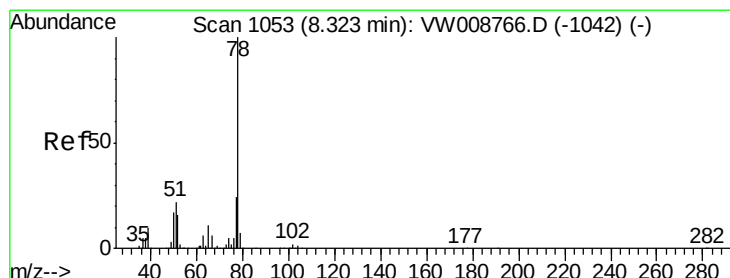
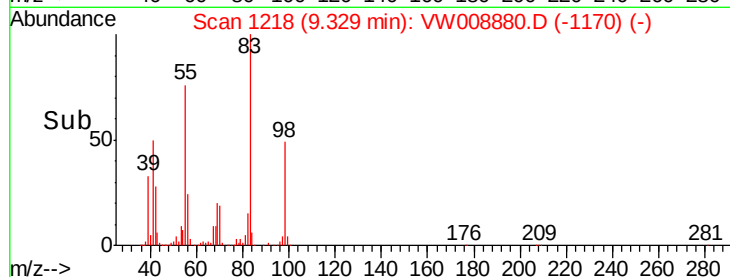
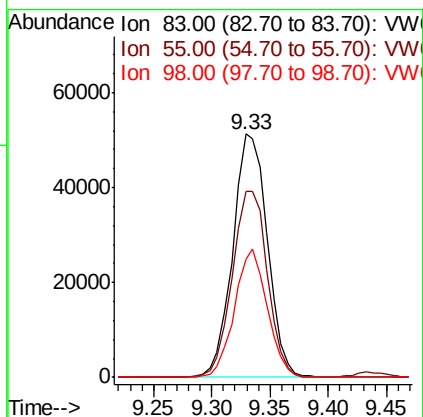
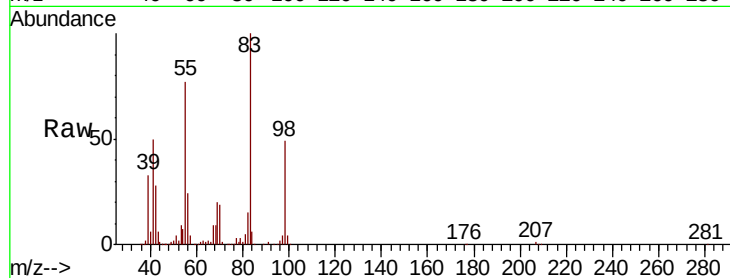




#39
Methylvlcyclohexane
Concen: 19.847 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

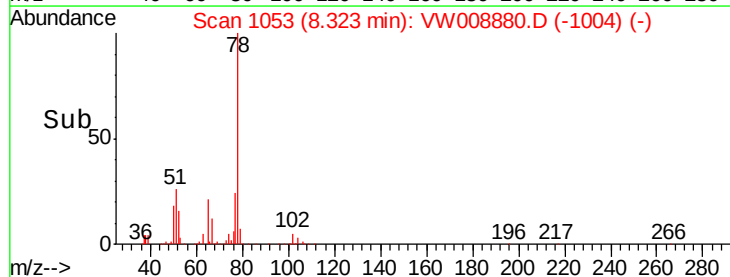
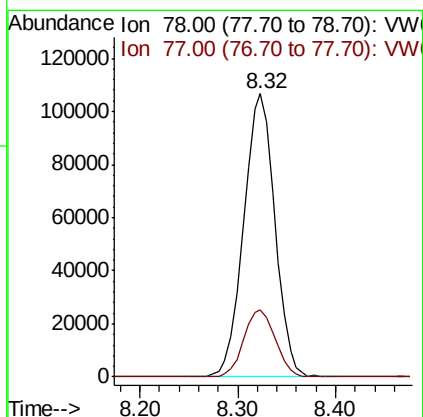
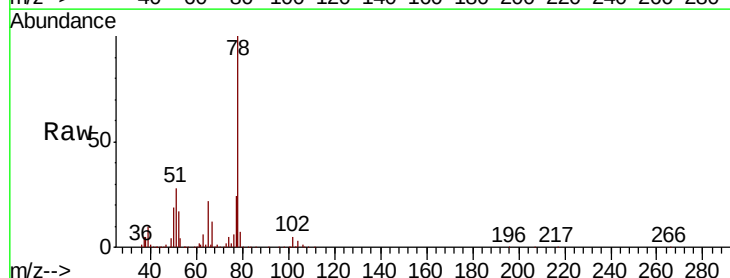
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

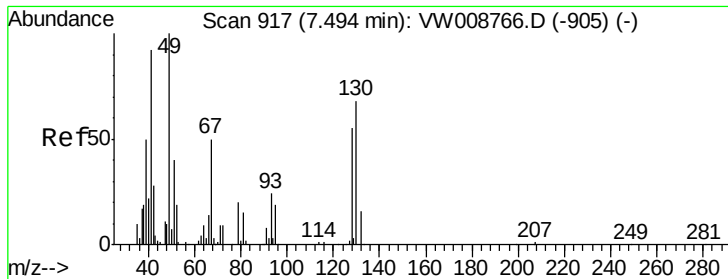
Tot Ion: 83 Resp: 106262
Ion Ratio Lower Upper
83 100
55 76.3 61.2 91.8
98 48.8 39.4 59.2



#40
Benzene
Concen: 20.101 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 78 Resp: 235568
Ion Ratio Lower Upper
78 100
77 23.9 19.3 28.9





#41

Methacrylonitrile

Concen: 16.738 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion: 41 Resp: 19639

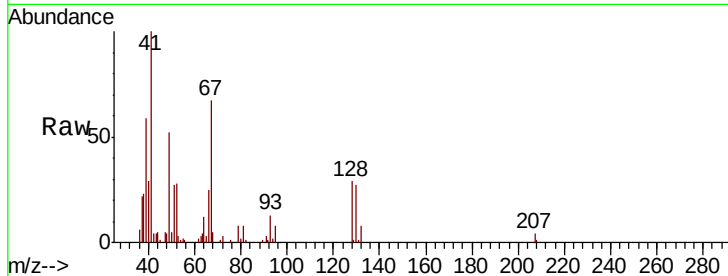
Ion Ratio Lower Upper

41 100

39 57.2 52.5 78.7

67 70.4 55.0 82.6

52 32.7 26.9 40.3



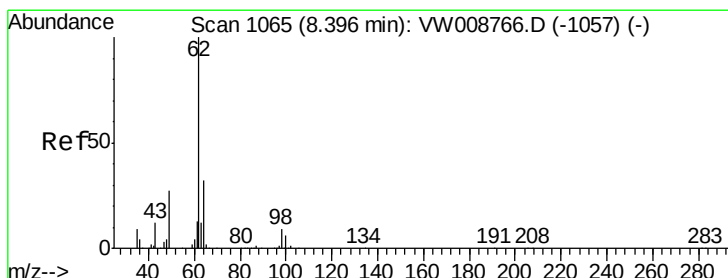
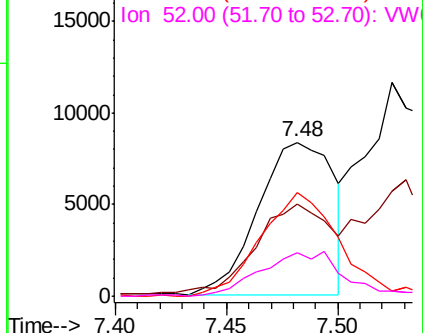
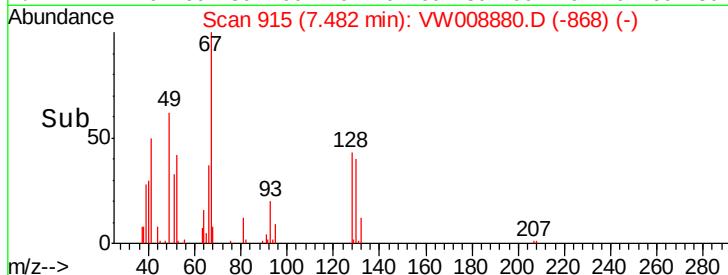
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 19.038 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW008880.D

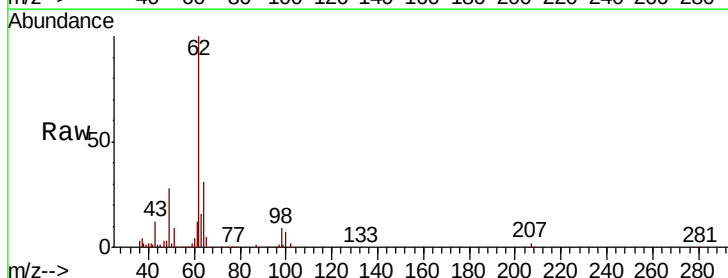
Acq: 28 Feb 2019 11:58

Tgt Ion: 62 Resp: 70679

Ion Ratio Lower Upper

62 100

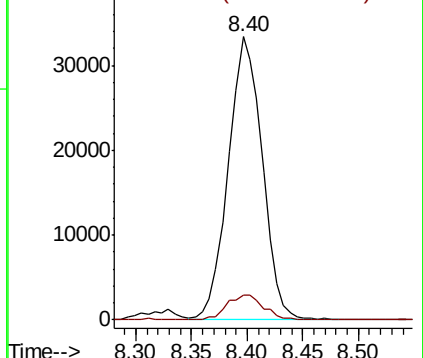
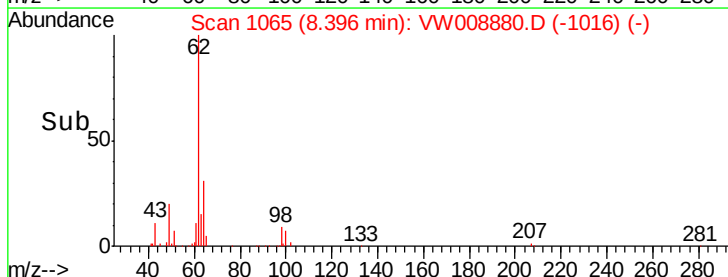
98 9.5 0.0 18.2

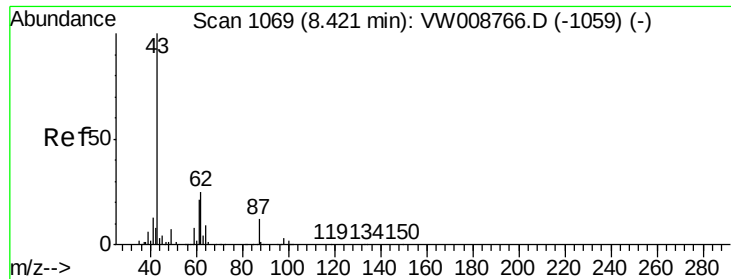


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 16.791 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

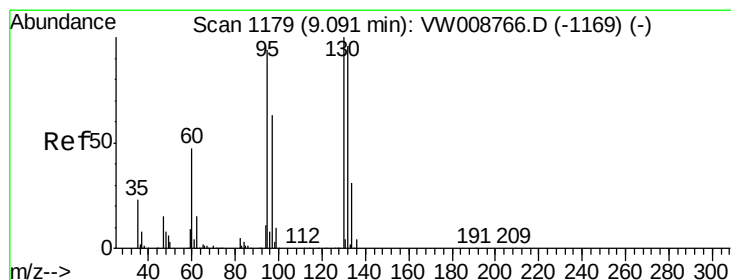
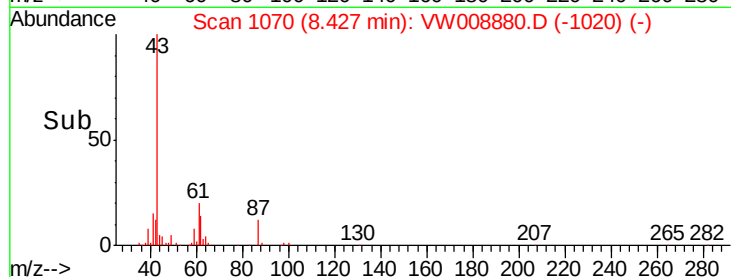
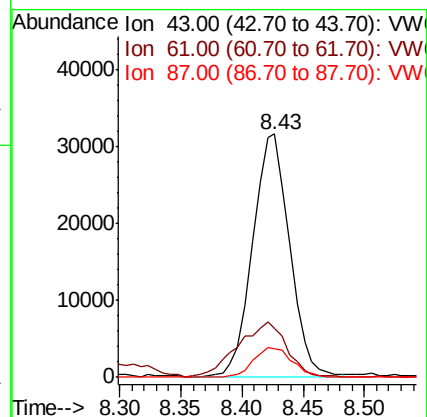
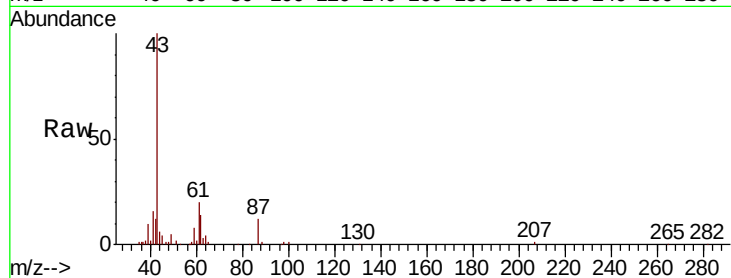
Tot Ion: 43 Resp: 66889

Ion Ratio Lower Upper

43 100

61 30.3 23.2 34.8

87 12.8 9.9 14.9



#44

Trichloroethene

Concen: 20.943 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW008880.D

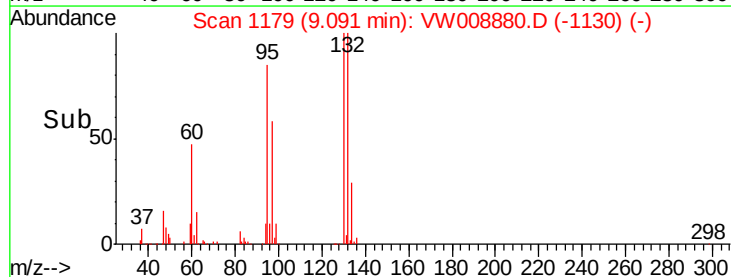
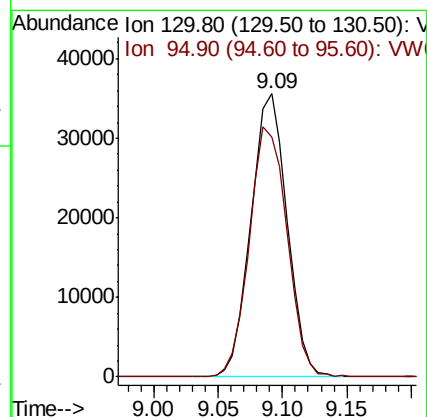
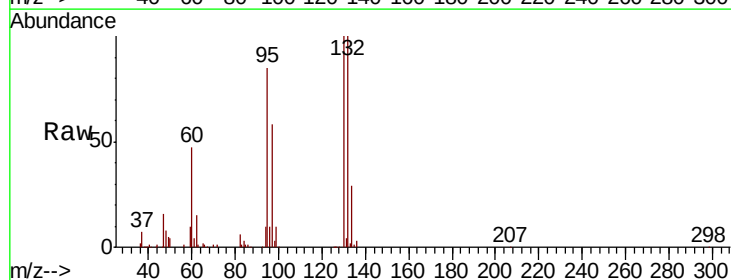
Acq: 28 Feb 2019 11:58

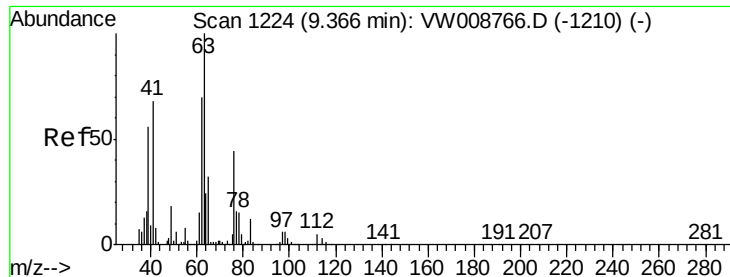
Tgt Ion: 130 Resp: 69142

Ion Ratio Lower Upper

130 100

95 84.7 0.0 188.6

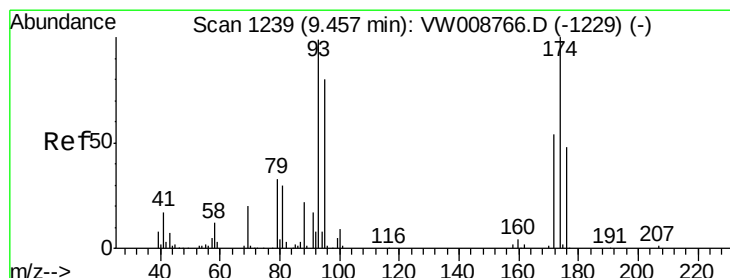
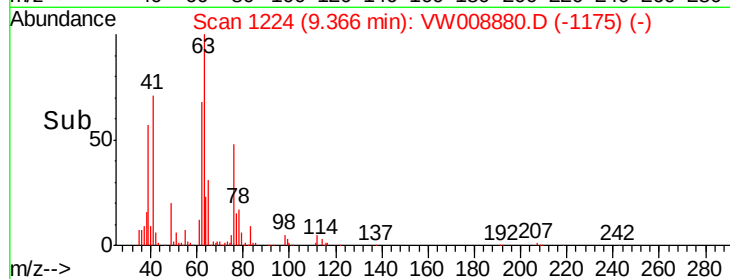
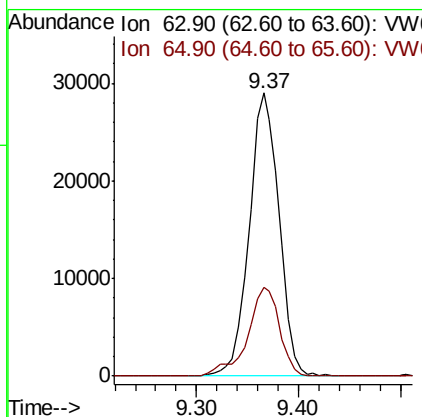
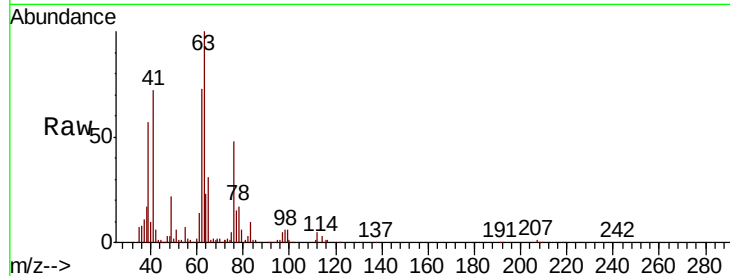




#45
 1,2-Dichloropropane
 Concen: 20.432 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

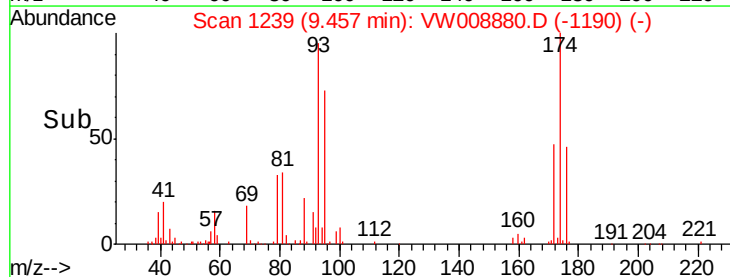
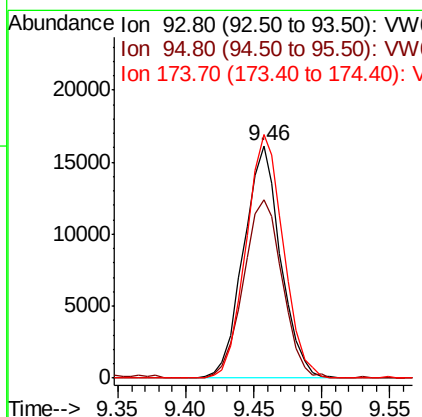
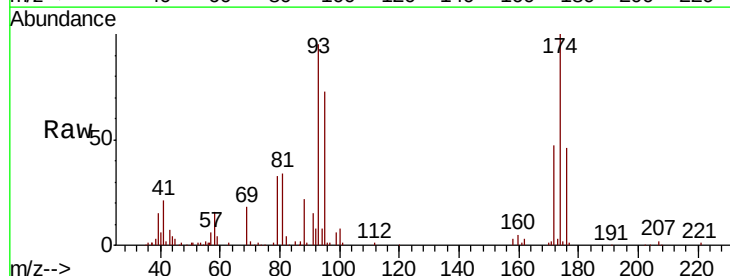
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

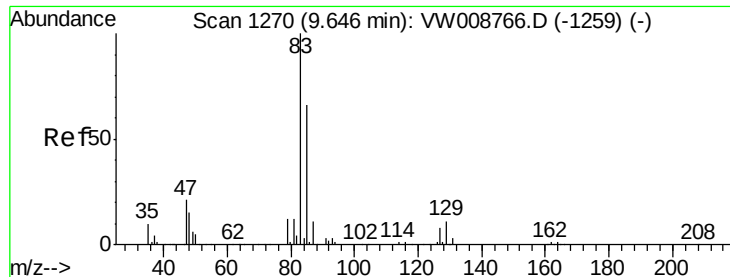
Tot Ion: 63 Resp: 59173
 Ion Ratio Lower Upper
 63 100
 65 31.5 25.5 38.3



#46
 Dibromomethane
 Concen: 19.093 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 93 Resp: 30757
 Ion Ratio Lower Upper
 93 100
 95 80.4 67.7 101.5
 174 105.6 86.7 130.1

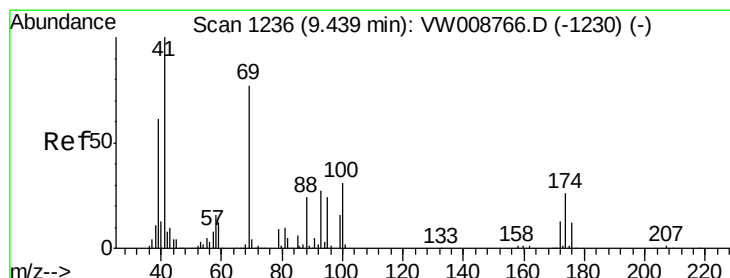
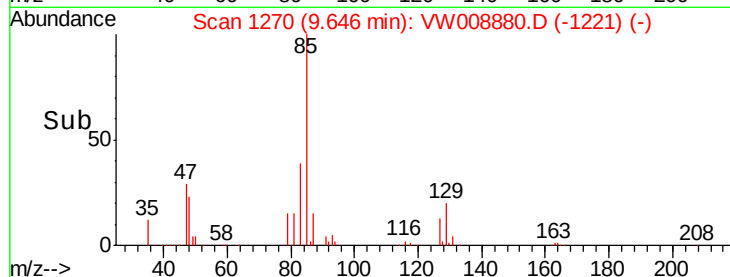
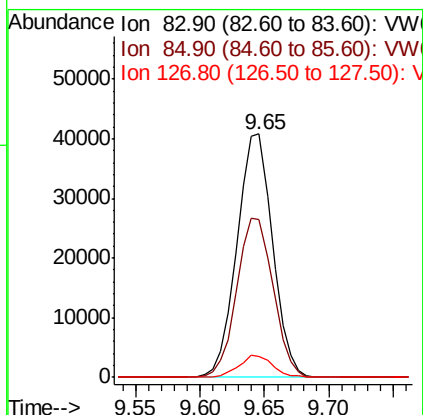
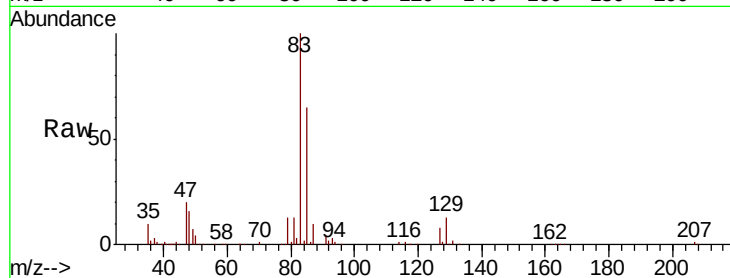




#47
Bromodichloromethane
Concen: 19.953 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

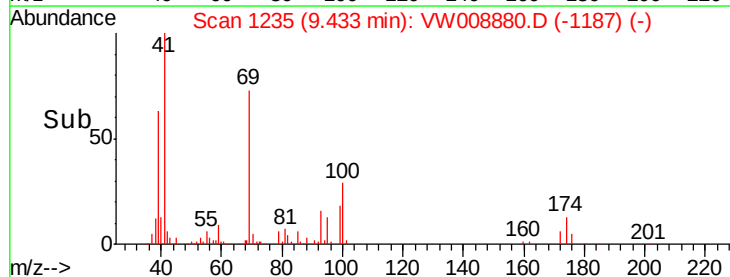
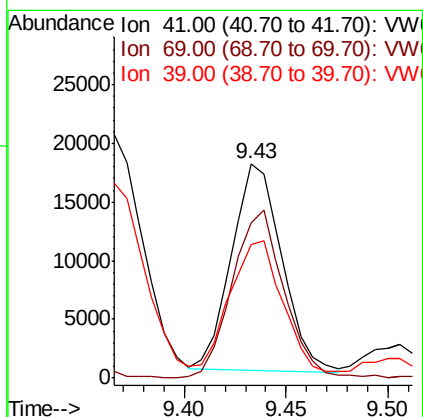
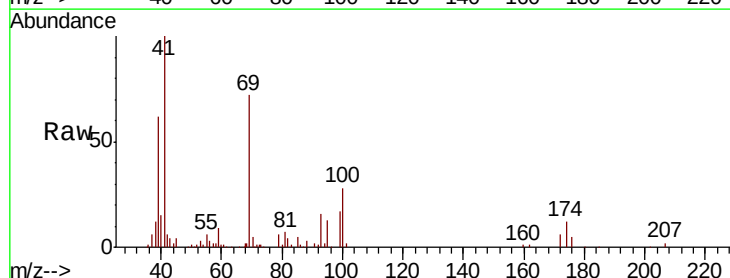
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

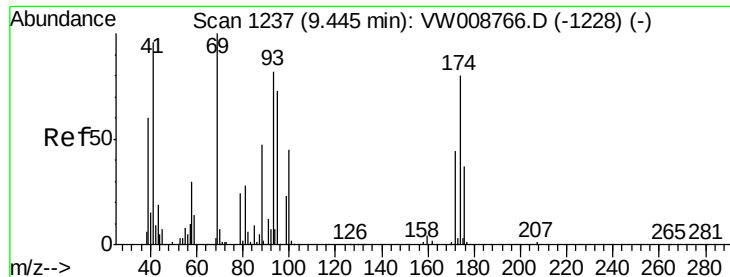
Tot Ion: 83 Resp: 78204
Ion Ratio Lower Upper
83 100
85 64.7 52.5 78.7
127 8.4 6.7 10.1



#48
Methyl methacrylate
Concen: 15.752 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 41 Resp: 30054
Ion Ratio Lower Upper
41 100
69 84.5 63.6 95.4
39 65.5 52.1 78.1





#49

1,4-Dioxane

Concen: 304.417 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

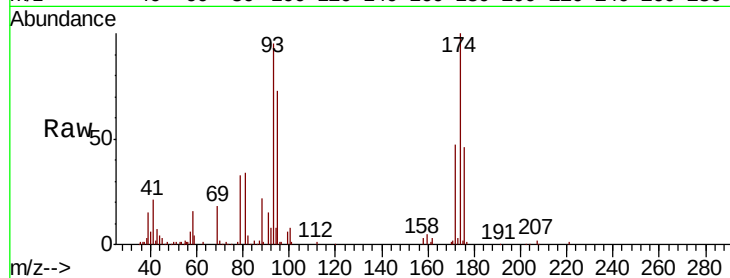
MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion: 88 Resp: 7853

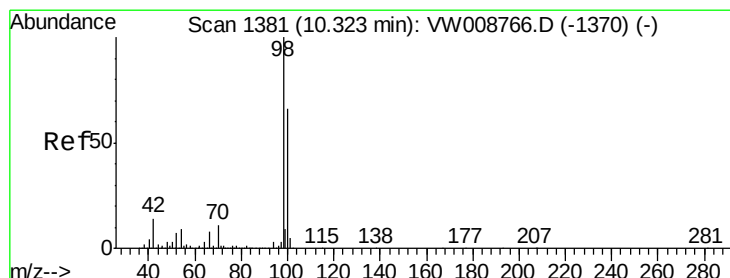
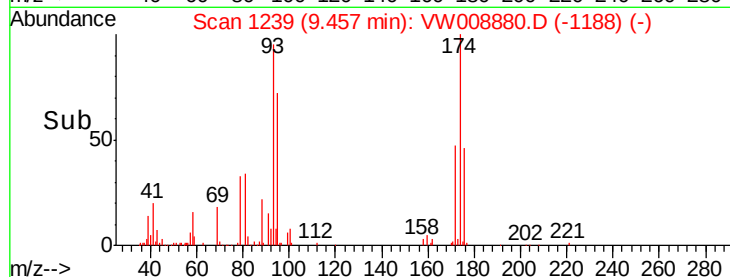
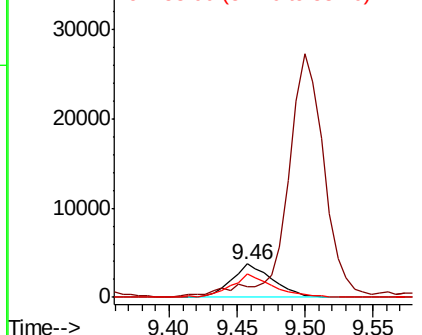
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	72.2	52.0	78.0



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: 49.415 ug/l

RT: 10.32 min Scan# 1381

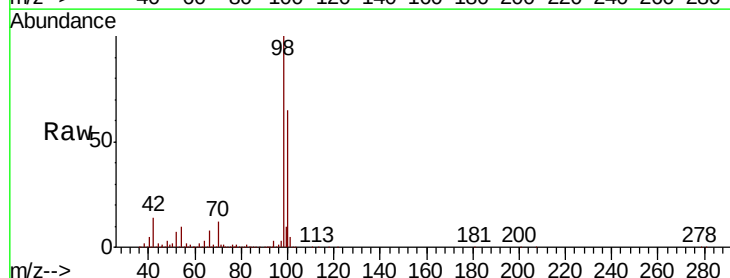
Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

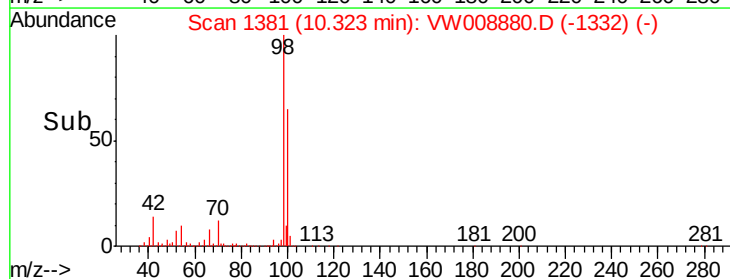
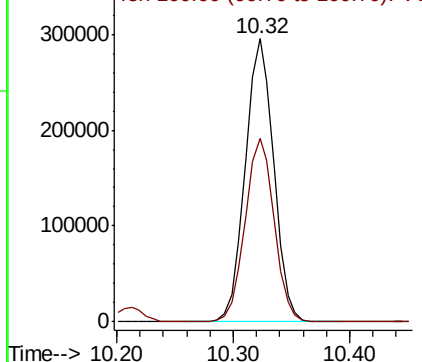
Tgt Ion: 98 Resp: 505026

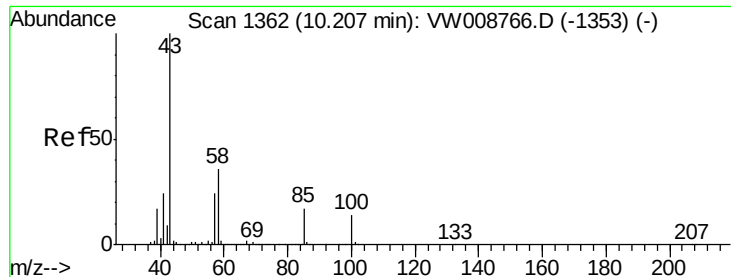
Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.4	78.6



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: 81.820 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

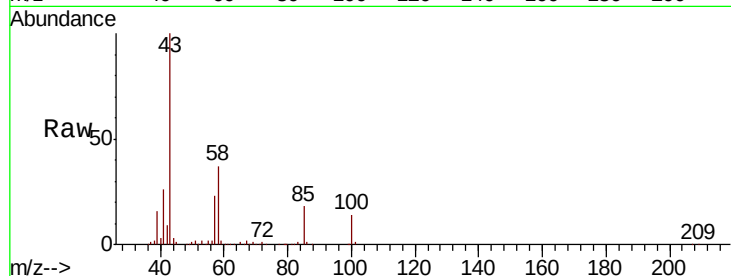
VW0228SBS01

Tot Ion: 43 Resp: 165482

Ion Ratio Lower Upper

43 100

58 36.4 29.1 43.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

100000

80000

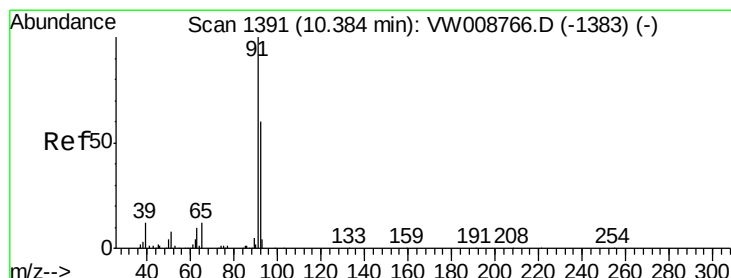
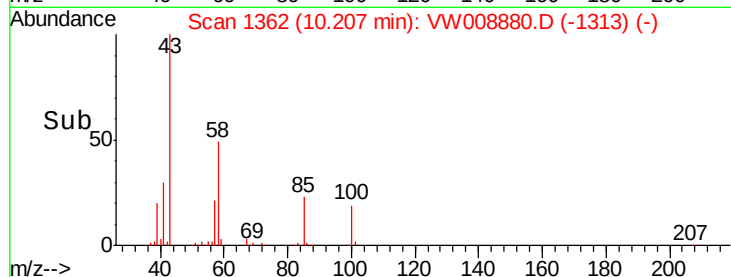
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 20.181 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.01 min

Lab File: VW008880.D

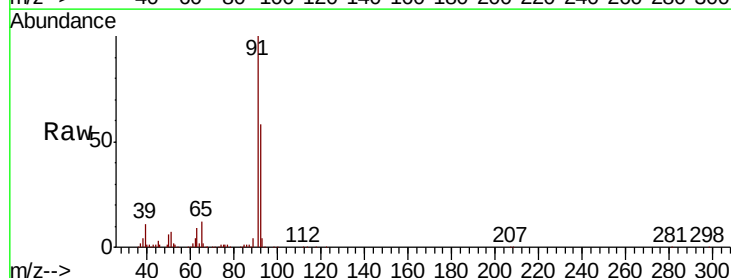
Acq: 28 Feb 2019 11:58

Tgt Ion: 92 Resp: 160512

Ion Ratio Lower Upper

92 100

91 173.0 136.9 205.3



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

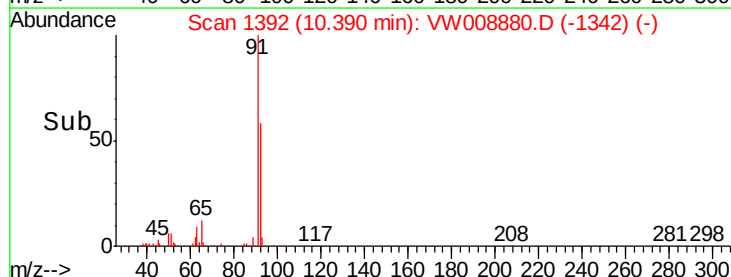
150000

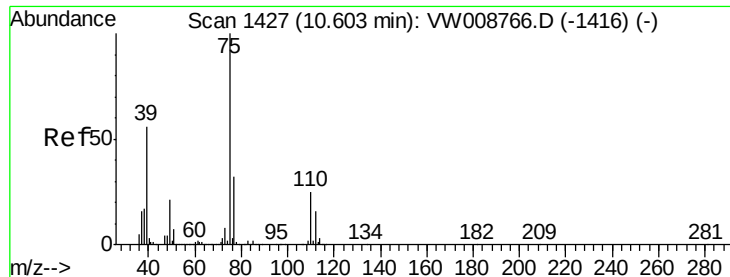
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.823 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

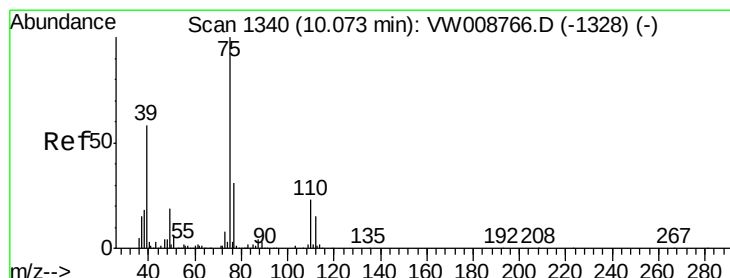
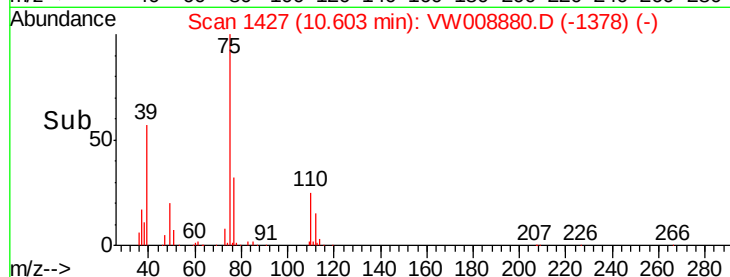
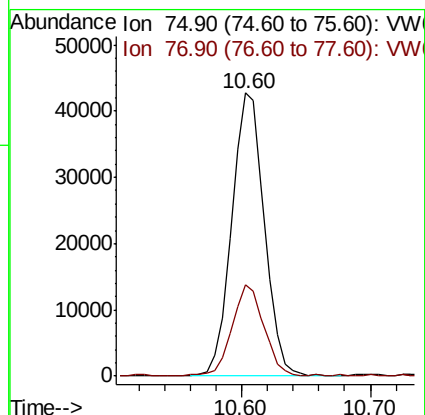
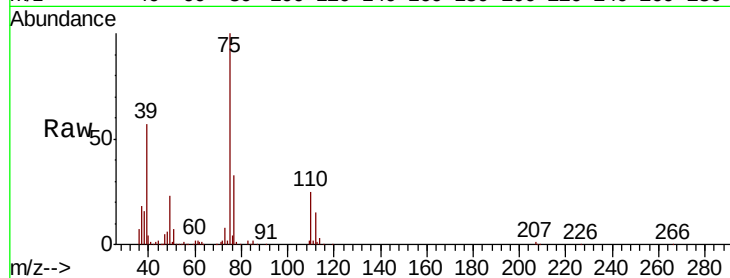
VW0228SBS01

Tot Ion: 75 Resp: 75195

Ion Ratio Lower Upper

75 100

77 32.0 26.1 39.1



#54

cis-1,3-Dichloropropene

Concen: 19.487 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

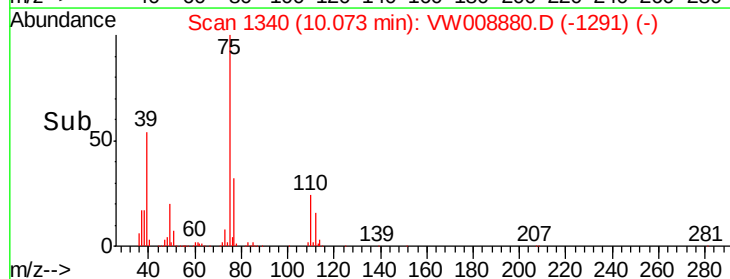
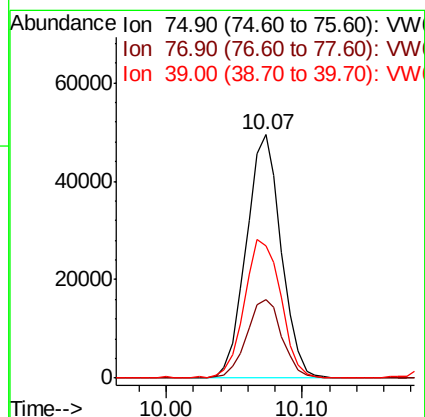
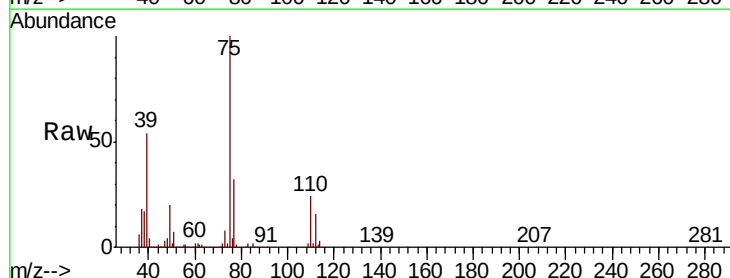
Tgt Ion: 75 Resp: 88788

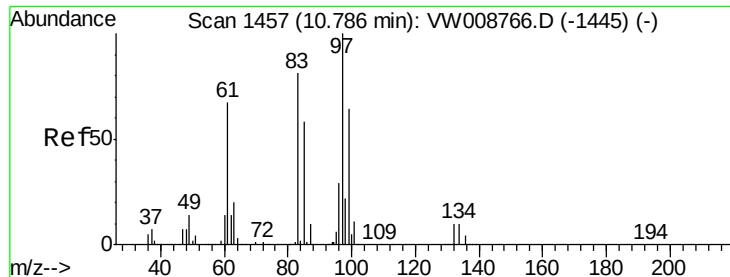
Ion Ratio Lower Upper

75 100

77 32.5 25.0 37.4

39 54.2 46.6 70.0





#55

1,1,2-Trichloroethane

Concen: 19.478 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

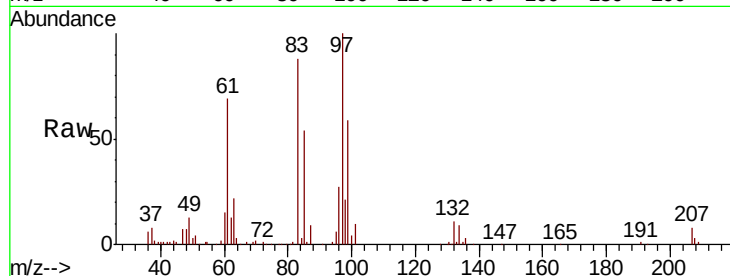
MSVOA_W

ClientSampleId :

VW0228SBS01

Tot Ion: 97 Resp: 42553

Ion	Ratio	Lower	Upper
97	100		
83	87.3	65.0	97.6
85	53.6	46.0	69.0
99	58.7	51.1	76.7

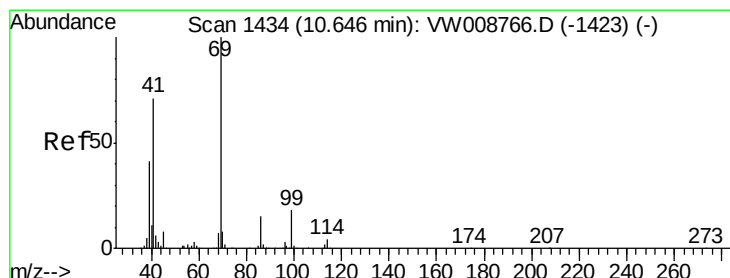
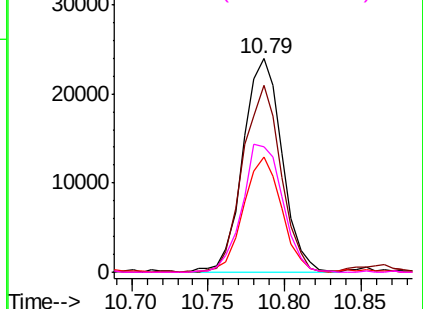
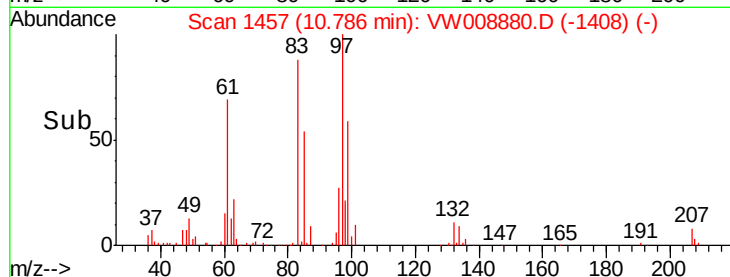


Abundance Ion 96.90 (96.60 to 97.60): VW

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: 17.067 ug/l

RT: 10.65 min Scan# 1434

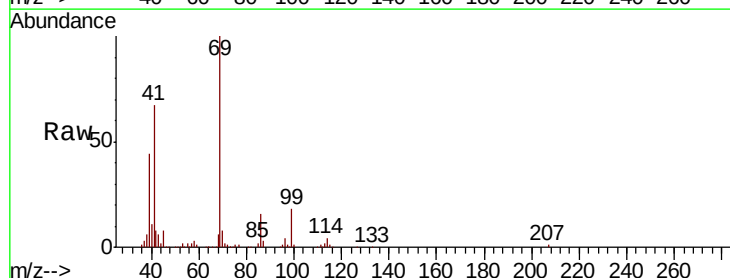
Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Tgt Ion: 69 Resp: 48440

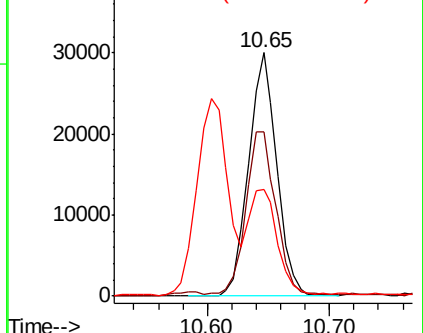
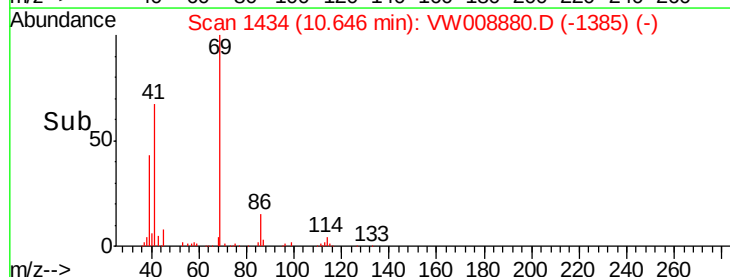
Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.4	86.0
39	43.7	34.8	52.2

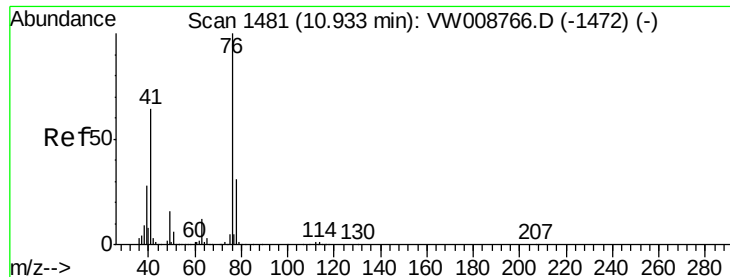


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 19.105 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

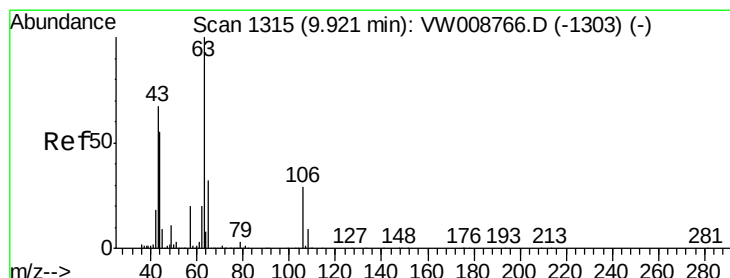
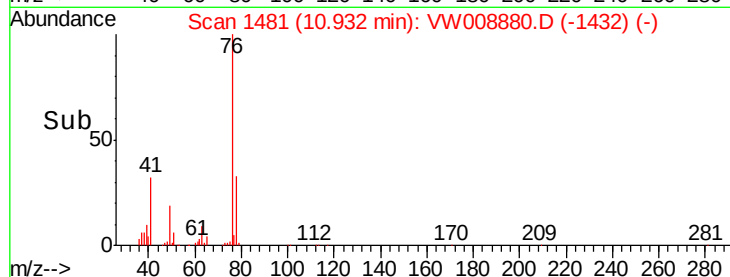
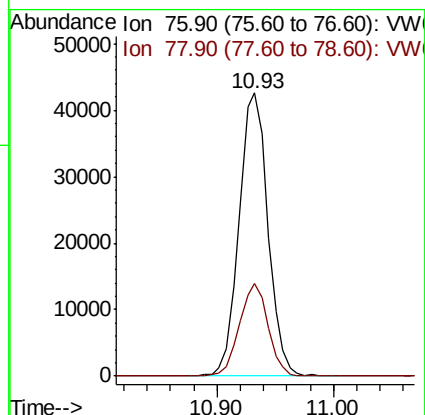
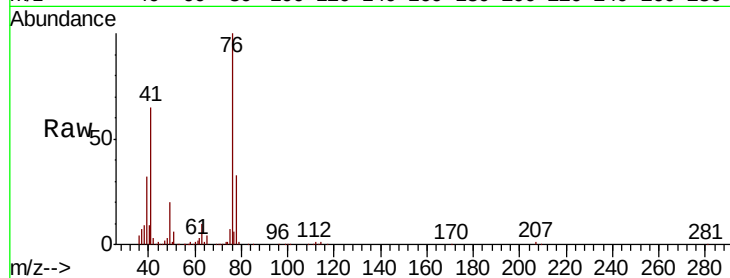
VW0228SBS01

Tot Ion: 76 Resp: 73690

Ion Ratio Lower Upper

76 100

78 32.4 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 96.575 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW008880.D

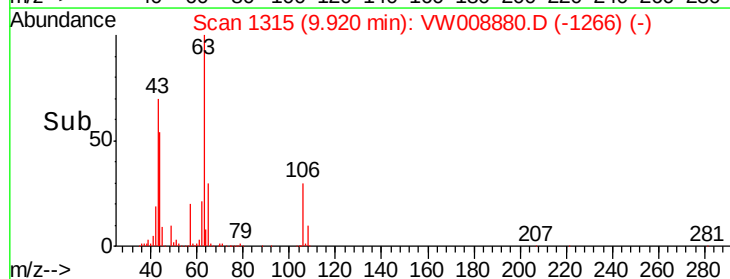
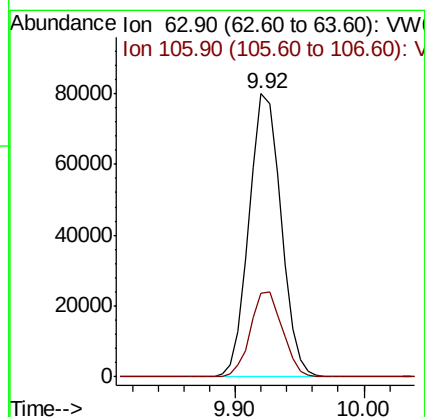
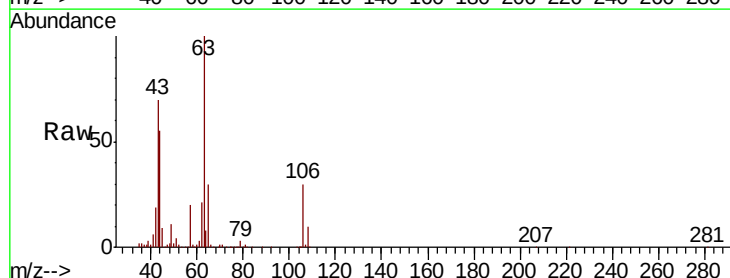
Acq: 28 Feb 2019 11:58

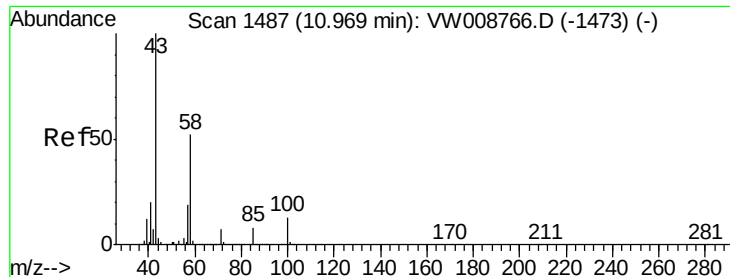
Tgt Ion: 63 Resp: 137861

Ion Ratio Lower Upper

63 100

106 30.0 24.0 36.0

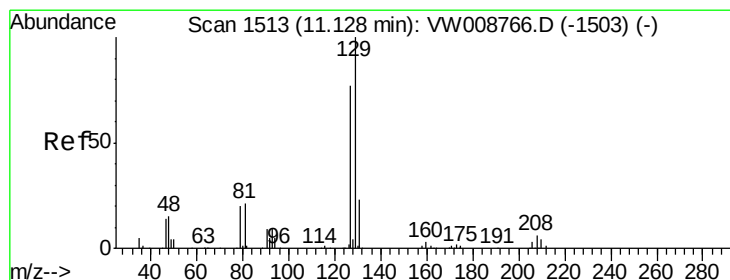
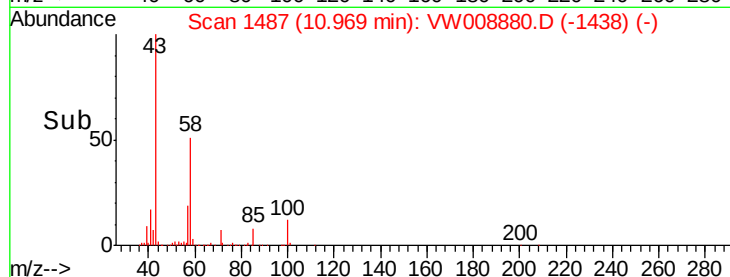
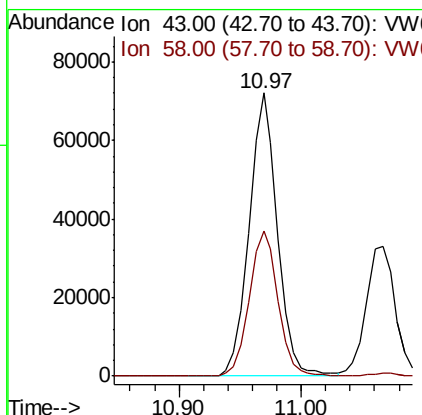
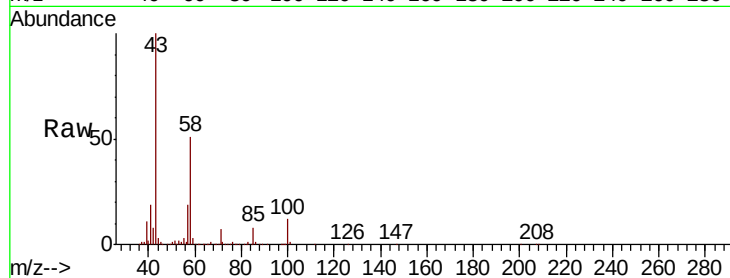




#59
2-Hexanone
Concen: 80.624 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

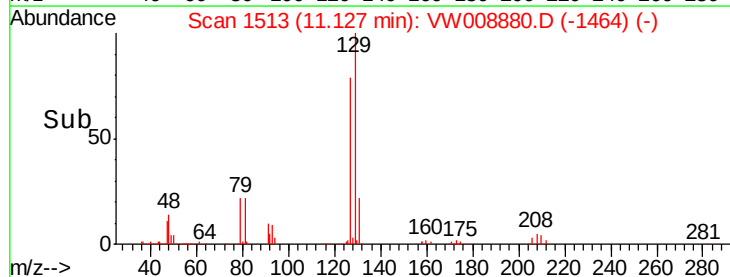
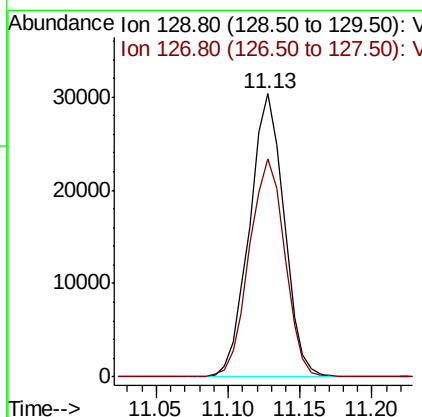
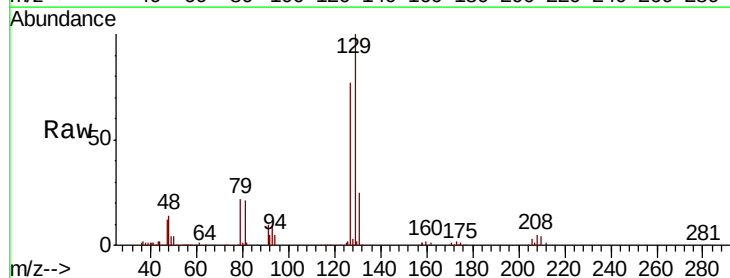
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

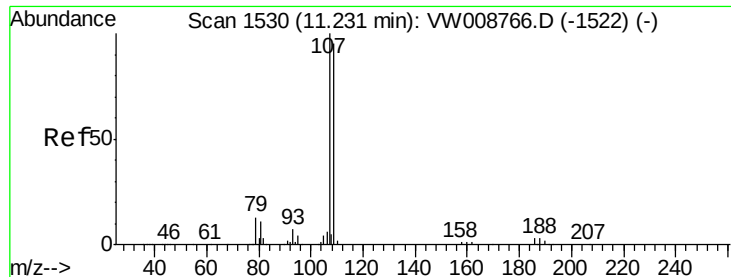
Tot Ion: 43 Resp: 116075
Ion Ratio Lower Upper
43 100
58 51.9 25.3 75.8



#60
Dibromochloromethane
Concen: 18.932 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 129 Resp: 50447
Ion Ratio Lower Upper
129 100
127 79.3 39.0 116.9

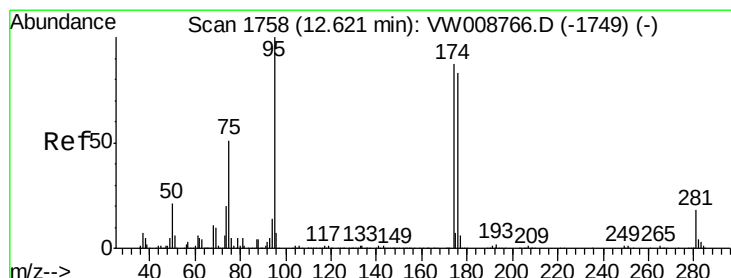
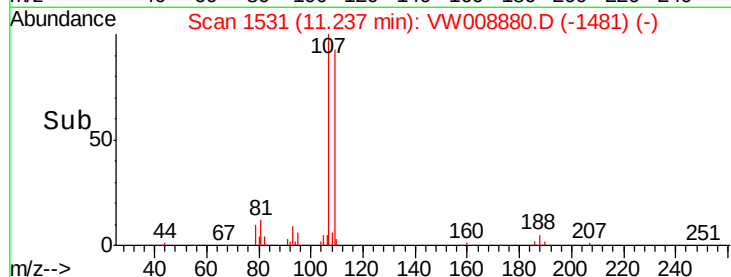
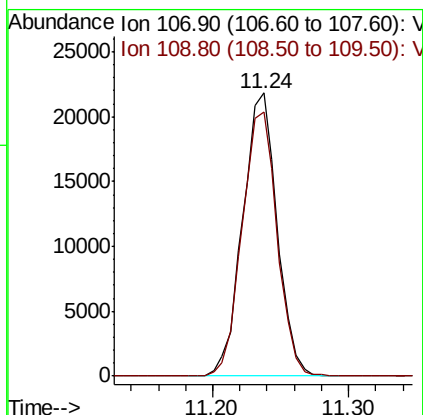
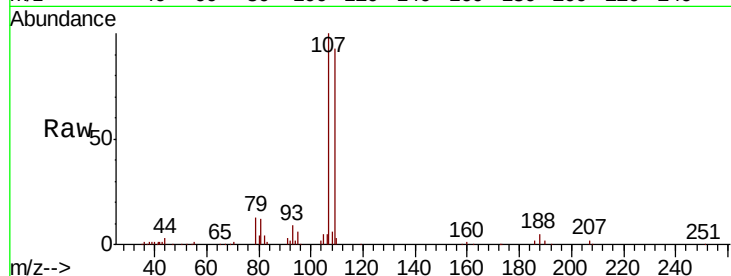




#61
 1,2-Dibromoethane
 Concen: 17.901 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.01 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

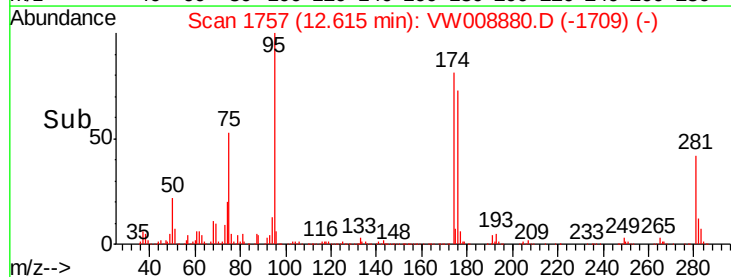
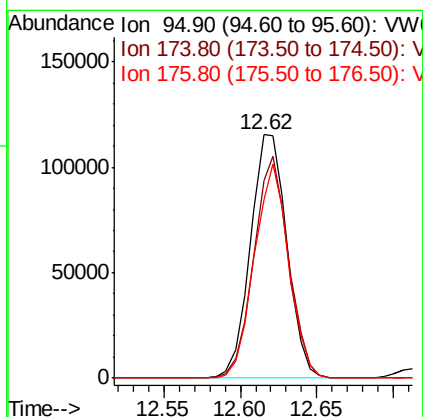
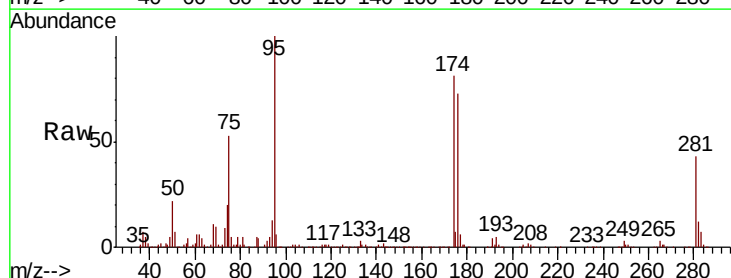
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

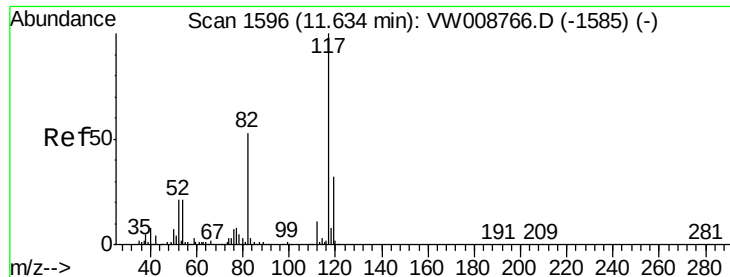
Tot Ion: 107 Resp: 38710
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 47.826 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 95 Resp: 191382
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 169.2
 176 83.2 0.0 163.6

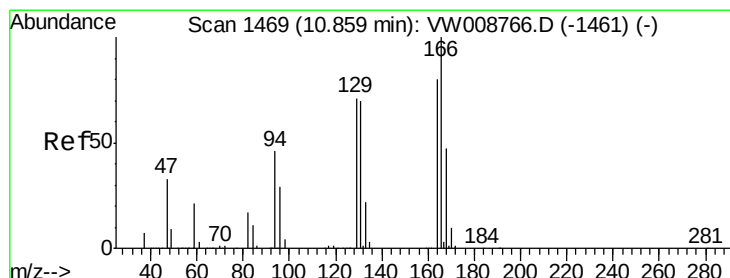
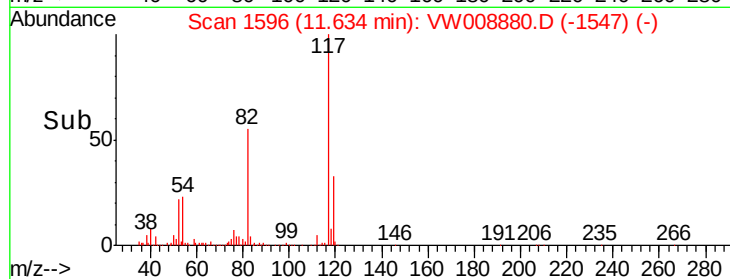
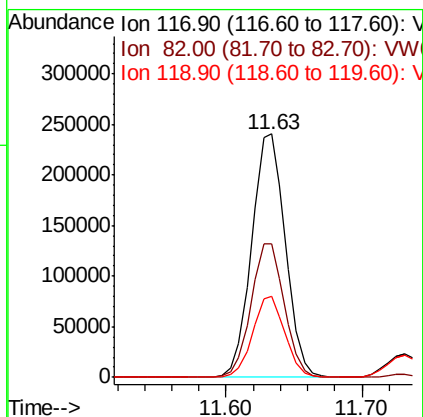
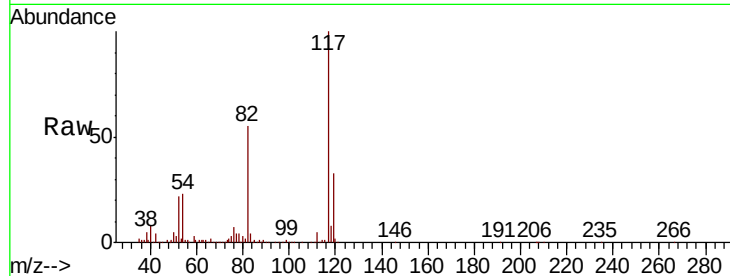




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

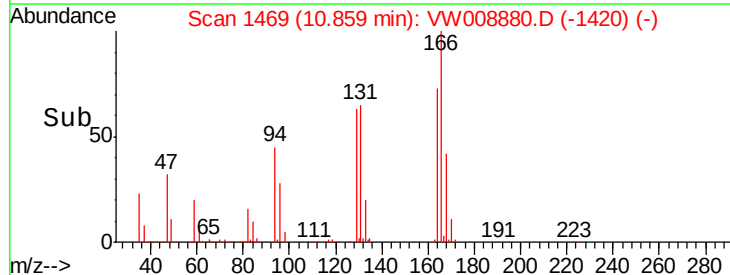
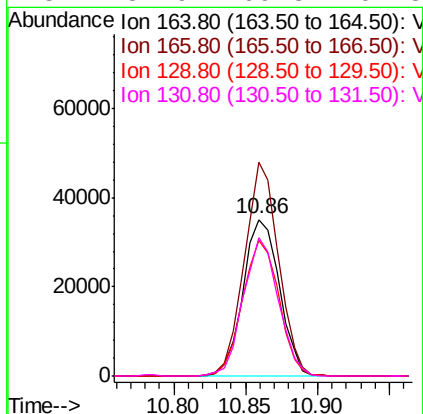
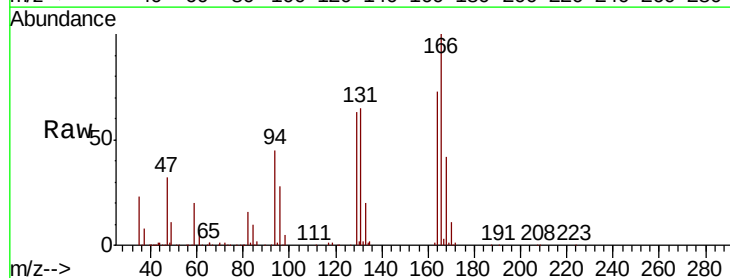
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

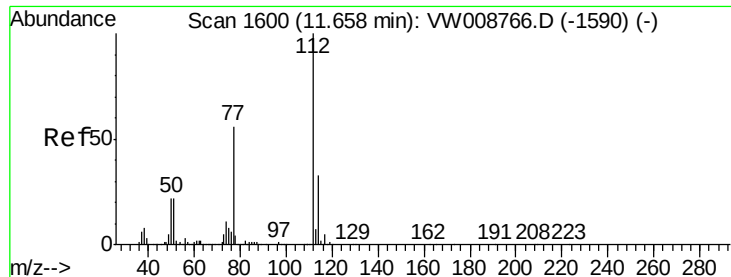
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	42.2	63.4
119	33.1	25.9	38.9



#64
Tetrachloroethene
Concen: 20.548 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.2	99.5	149.3
129	86.4	71.1	106.7
131	87.9	69.8	104.8

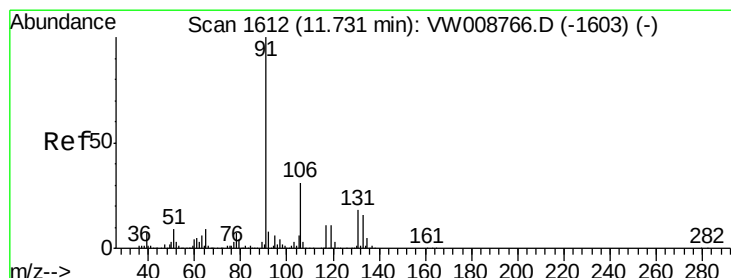
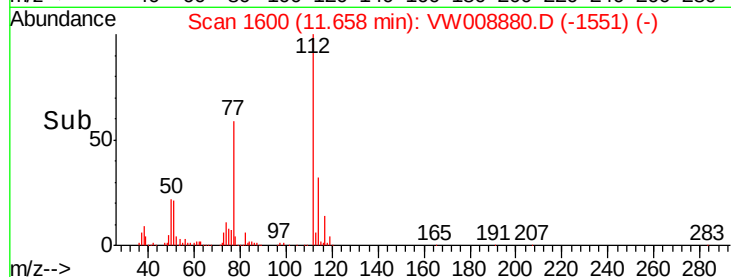
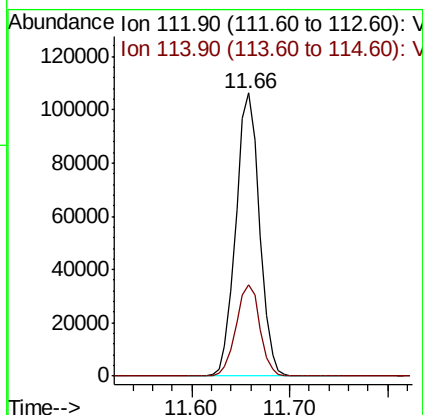
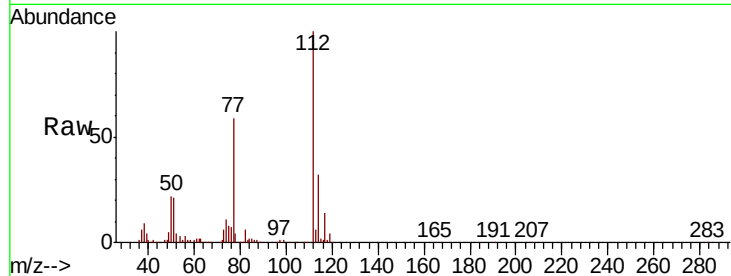




#65
Chlorobenzene
Concen: 20.299 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

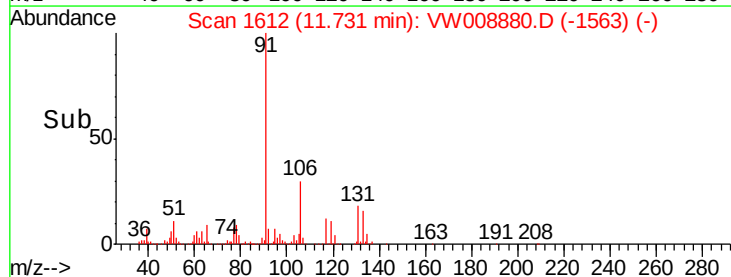
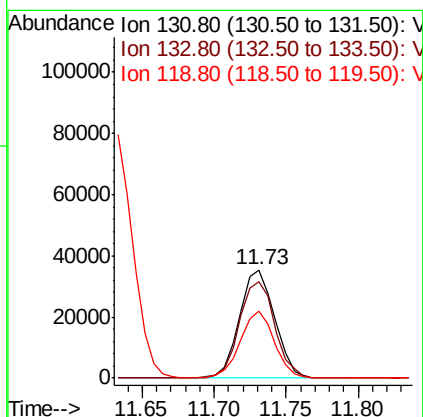
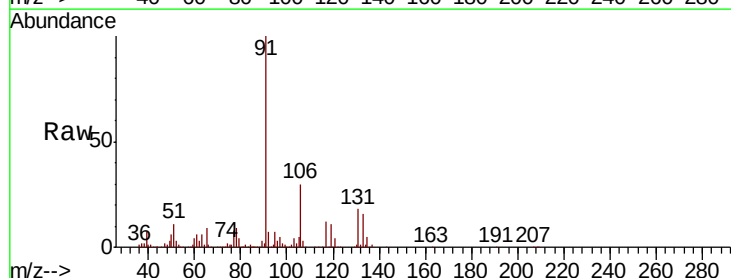
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

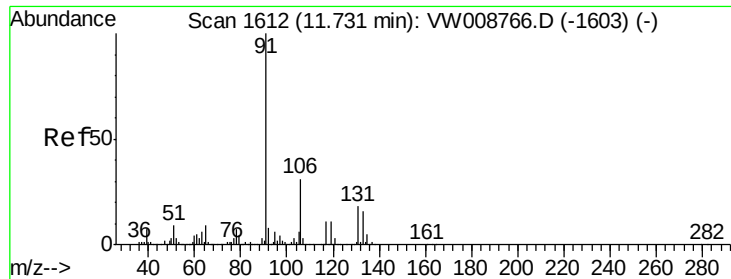
Tot Ion:112 Resp: 178282
Ion Ratio Lower Upper
112 100
114 32.0 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.111 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion:131 Resp: 59725
Ion Ratio Lower Upper
131 100
133 90.3 46.7 140.0
119 60.4 30.8 92.4

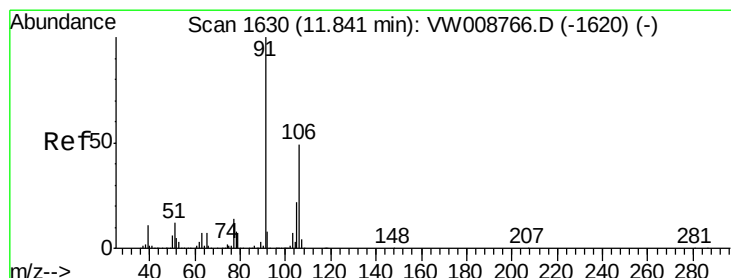
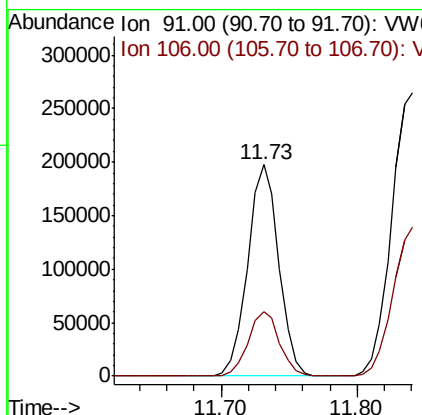
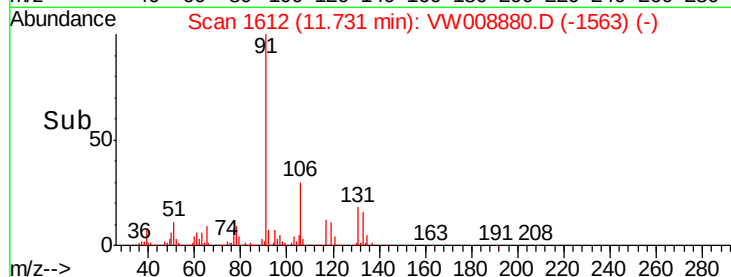
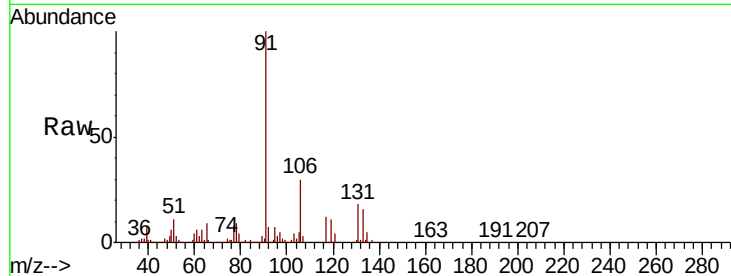




#67
Ethyl Benzene
Concen: 20.125 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

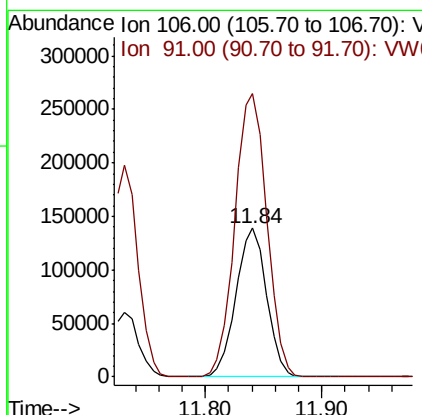
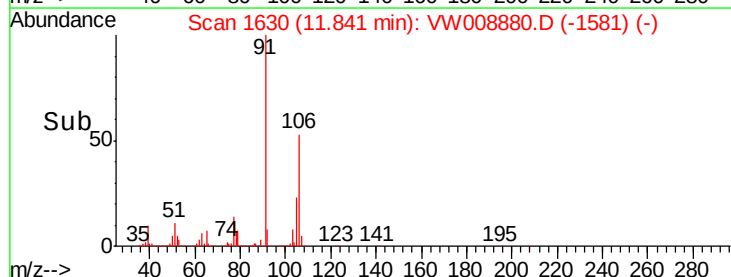
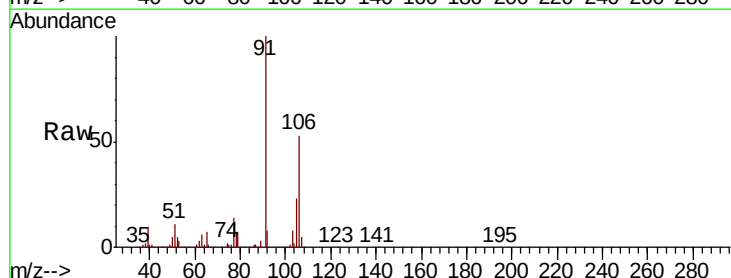
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

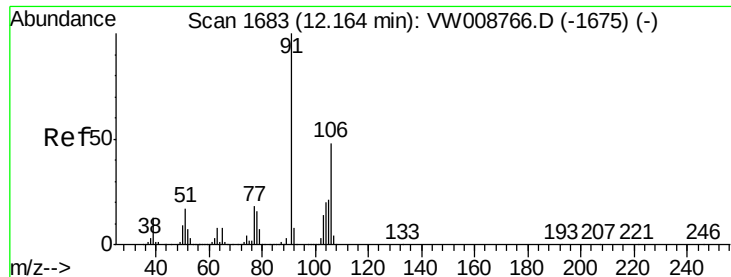
Tot Ion: 91 Resp: 315973
Ion Ratio Lower Upper
91 100
106 30.3 25.0 37.6



#68
m/p-Xylenes
Concen: 40.661 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 106 Resp: 255078
Ion Ratio Lower Upper
106 100
91 198.5 161.5 242.3

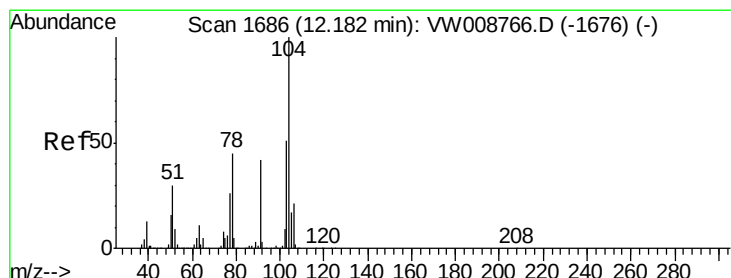
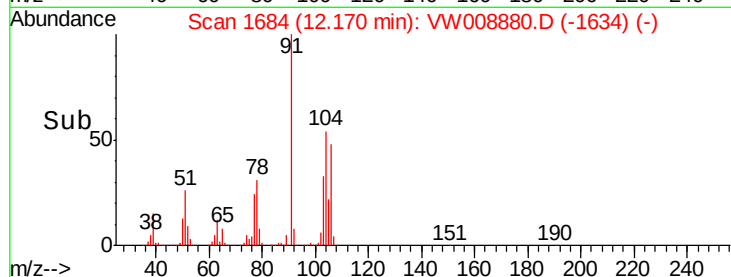
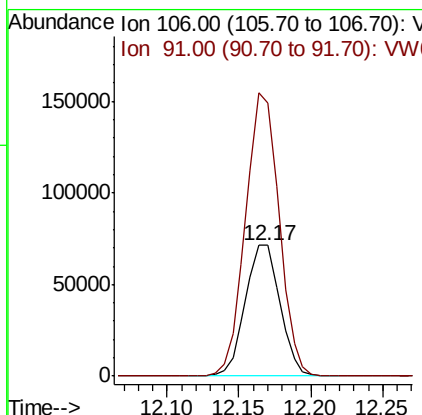
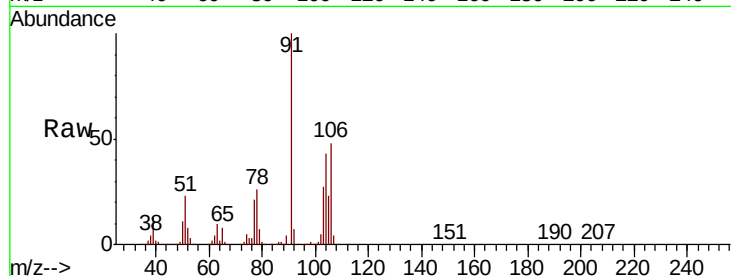




#69
o-Xylene
Concen: 20.287 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

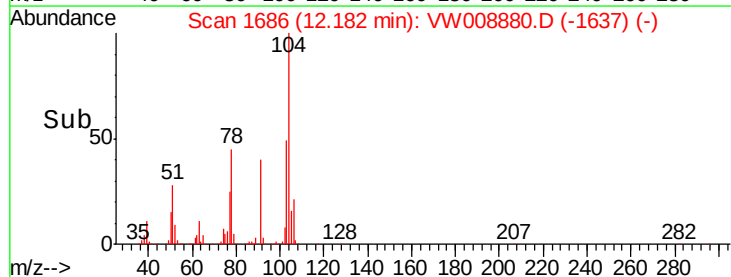
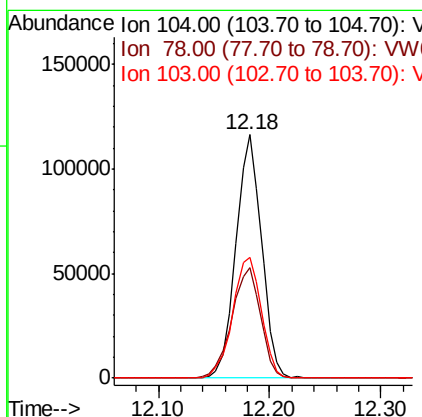
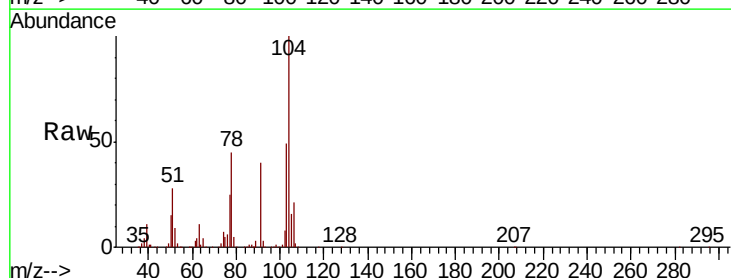
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

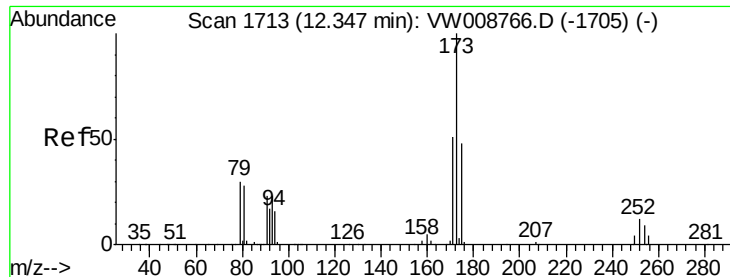
Tot Ion:106 Resp: 119451
Ion Ratio Lower Upper
106 100
91 209.8 106.2 318.6



#70
Styrene
Concen: 19.609 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion:104 Resp: 185758
Ion Ratio Lower Upper
104 100
78 51.0 40.8 61.2
103 55.5 44.2 66.2





#71

Bromoform

Concen: 16.992 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

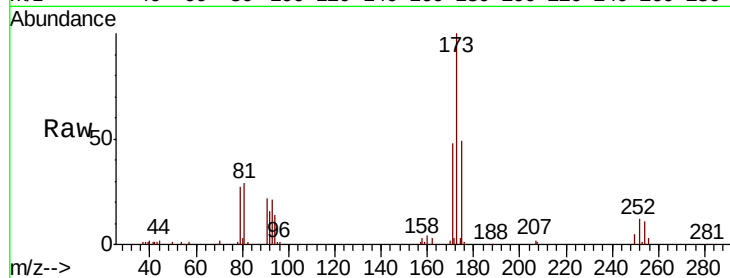
Tot Ion:173 Resp: 27124

Ion Ratio Lower Upper

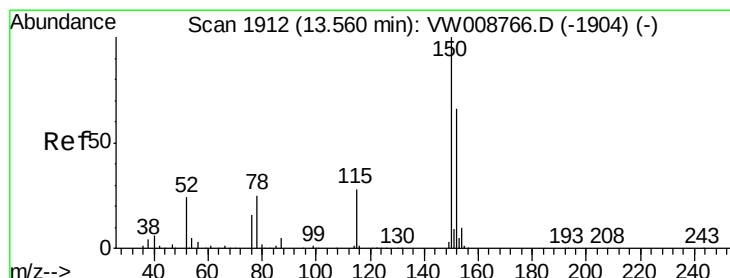
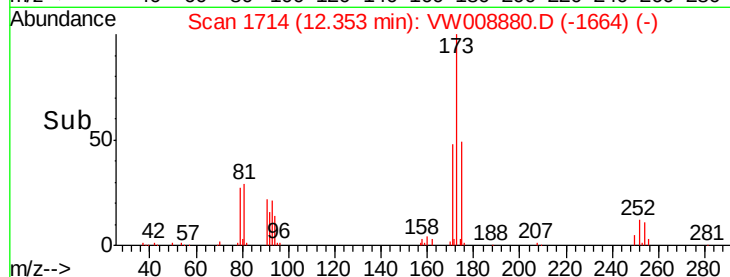
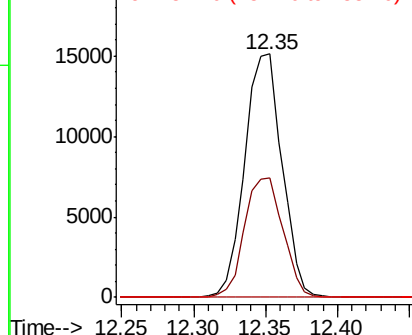
173 100

175 50.4 24.2 72.6

254 0.0 0.2 0.4#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

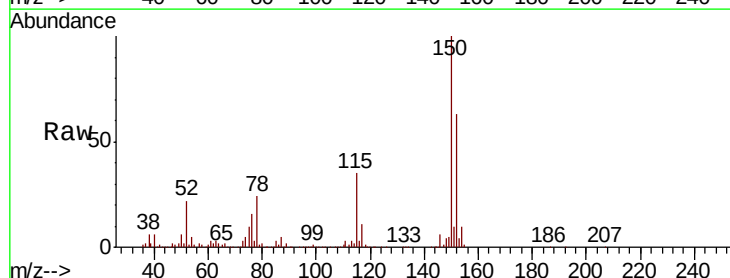
Tgt Ion:152 Resp: 226222

Ion Ratio Lower Upper

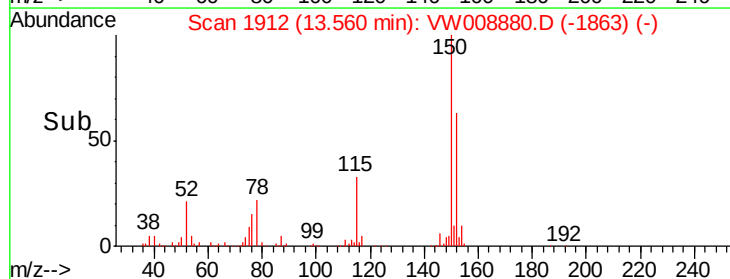
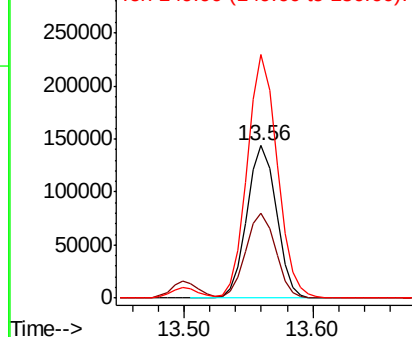
152 100

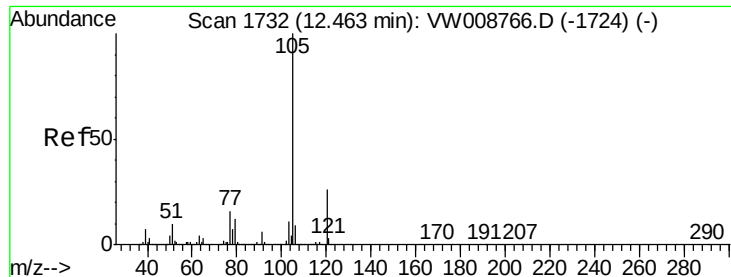
115 56.7 28.6 85.8

150 162.9 0.0 348.0



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





#73

Isopropylbenzene

Concen: 20.902 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

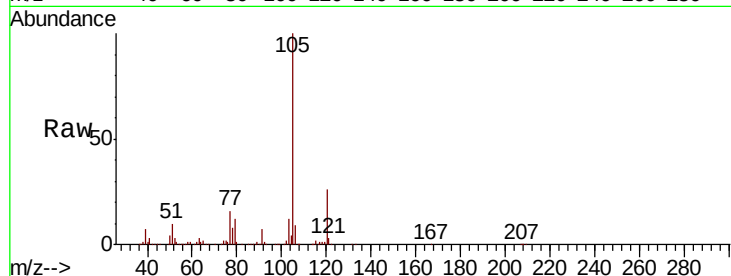
VW0228SBS01

Tot Ion:105 Resp: 324160

Ion Ratio Lower Upper

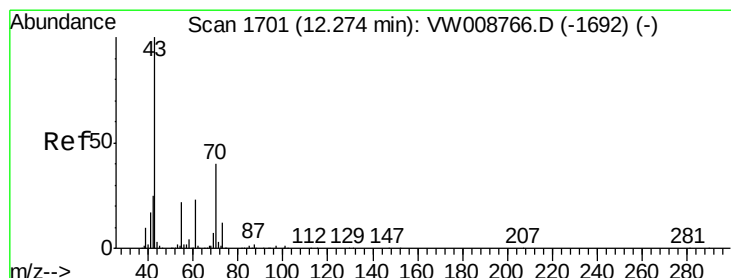
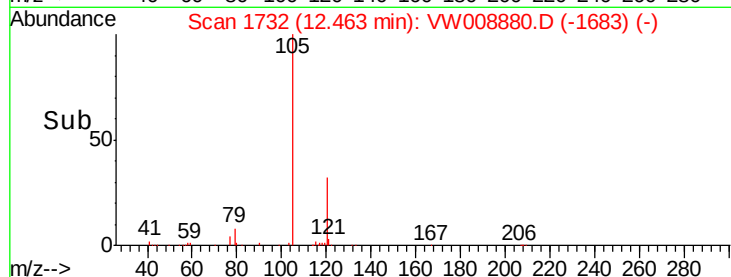
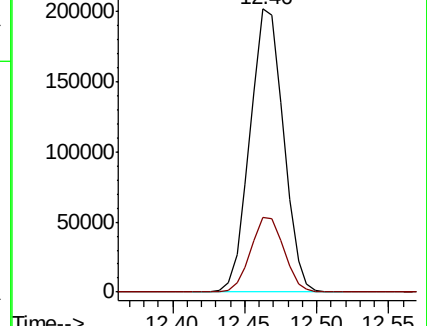
105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.491 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Tgt Ion: 43 Resp: 64422

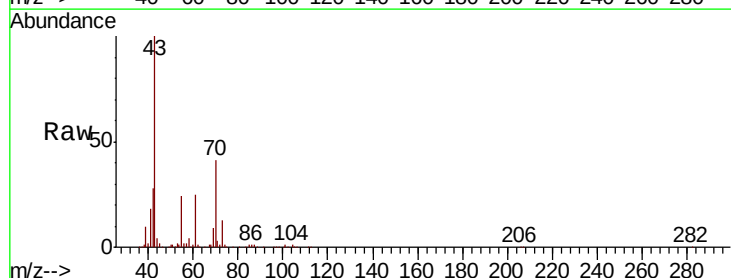
Ion Ratio Lower Upper

43 100

70 39.5 31.0 46.6

55 23.9 18.7 28.1

61 21.9 18.1 27.1

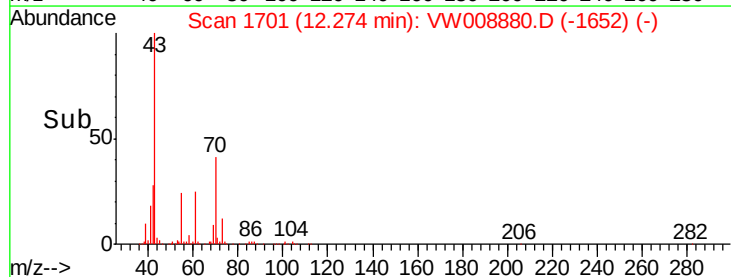
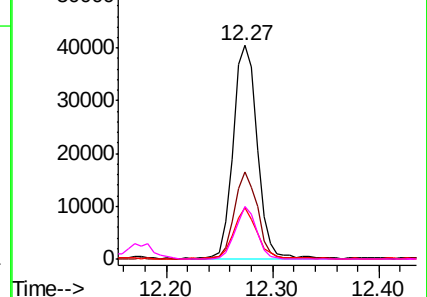


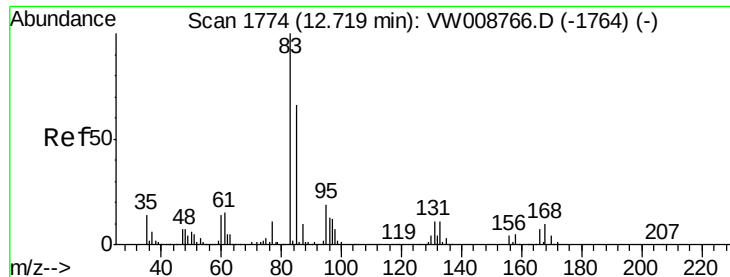
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 18.261 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

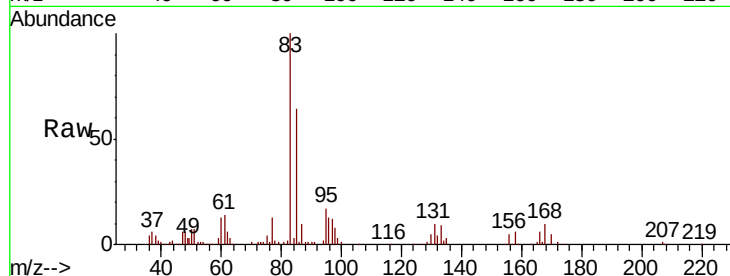
Tot Ion: 83 Resp: 46273

Ion Ratio Lower Upper

83 100

131 12.1 5.5 16.7

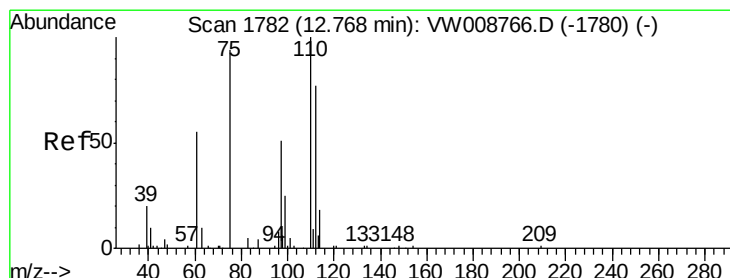
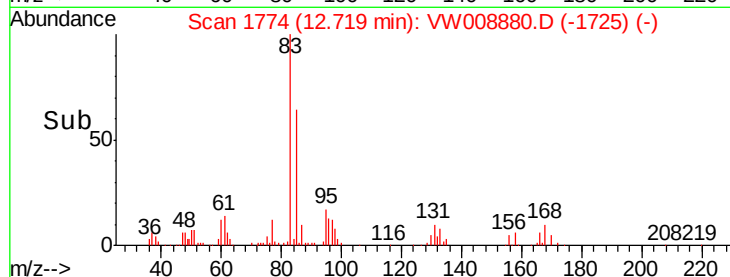
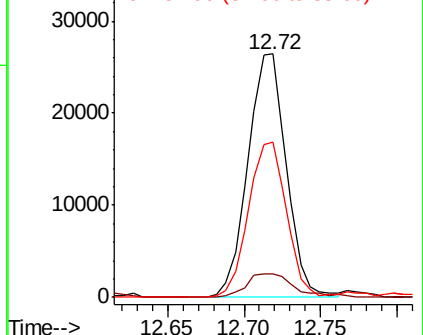
85 63.5 33.0 98.9



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: 33.430 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008880.D

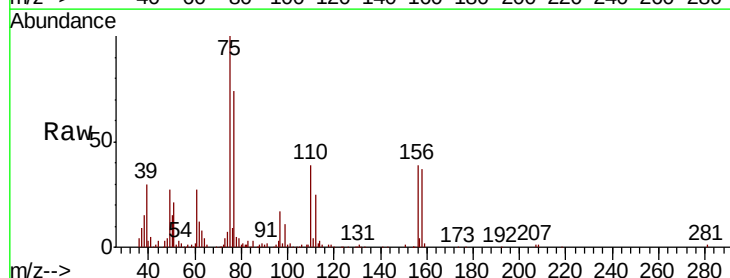
Acq: 28 Feb 2019 11:58

Tgt Ion: 75 Resp: 62440

Ion Ratio Lower Upper

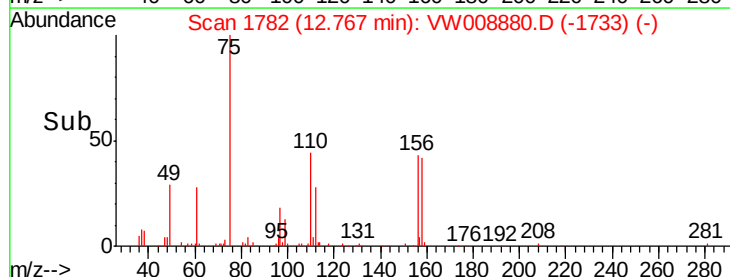
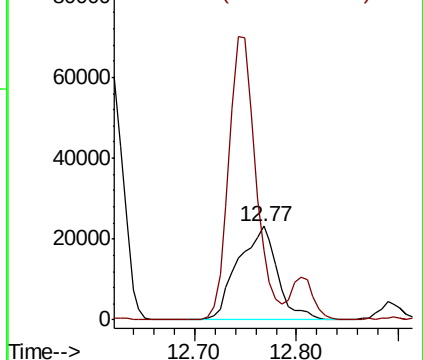
75 100

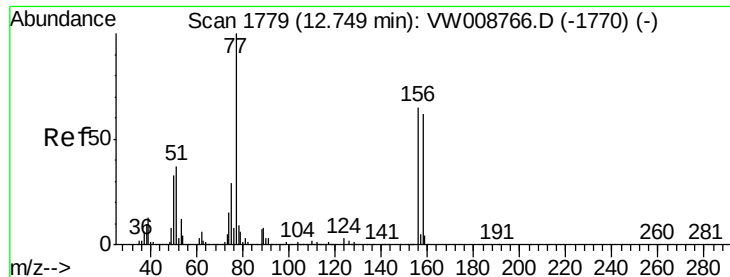
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.125 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampled :

VW0228SBS01

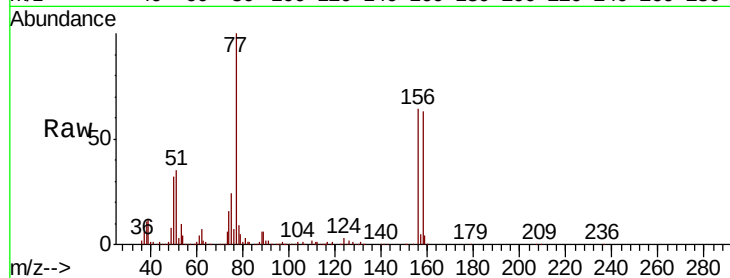
Tot Ion:156 Resp: 73754

Ion Ratio Lower Upper

156 100

77 175.0 89.1 267.4

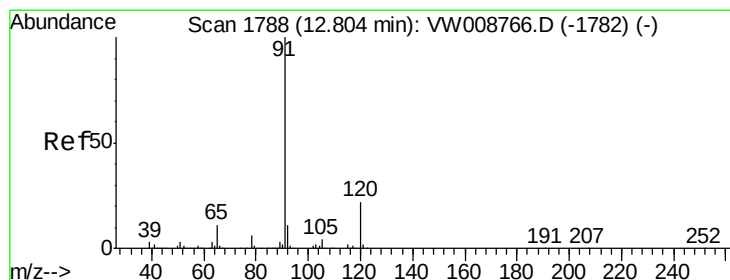
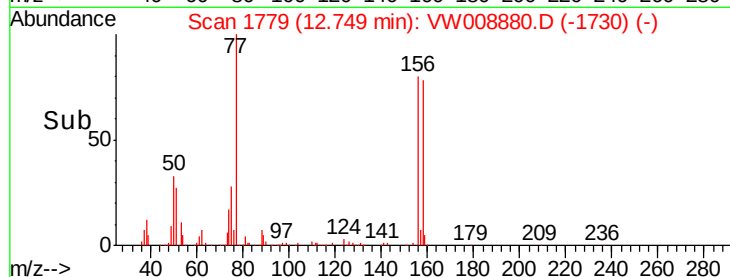
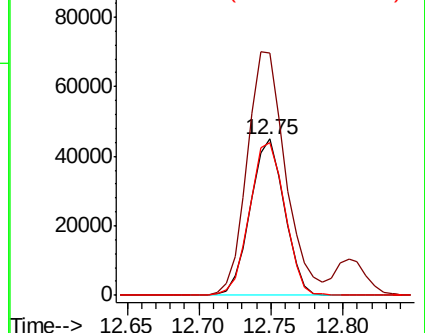
158 100.1 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.851 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW008880.D

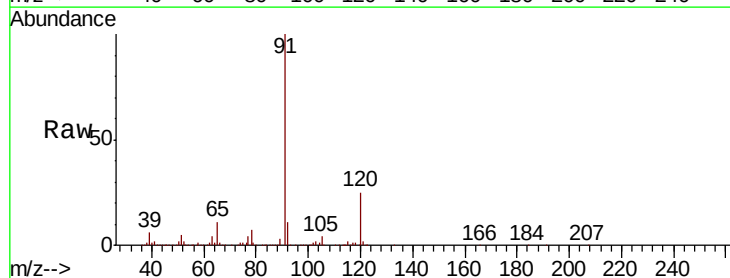
Acq: 28 Feb 2019 11:58

Tgt Ion: 91 Resp: 395560

Ion Ratio Lower Upper

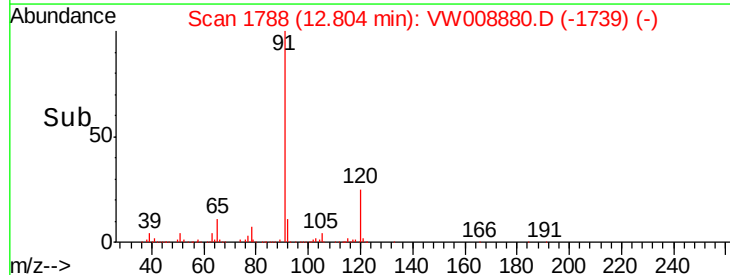
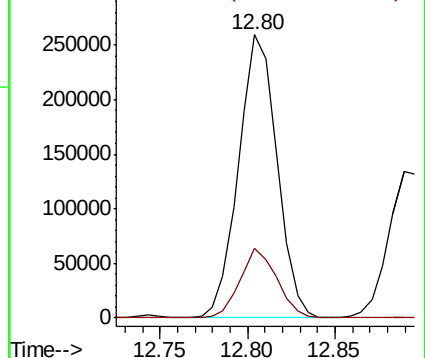
91 100

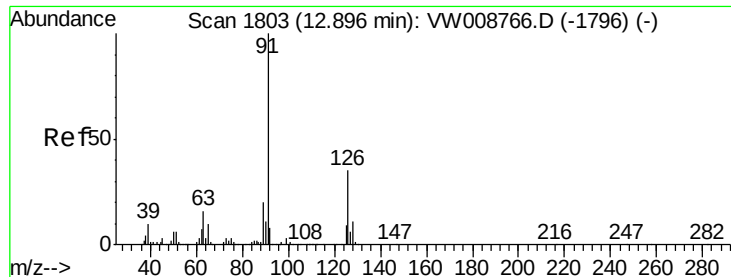
120 23.7 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

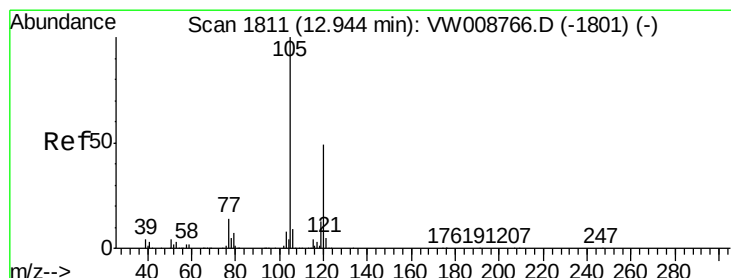
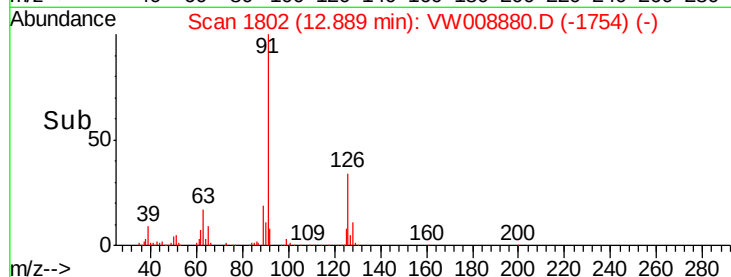
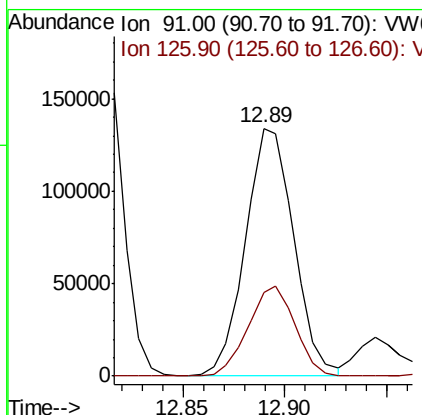
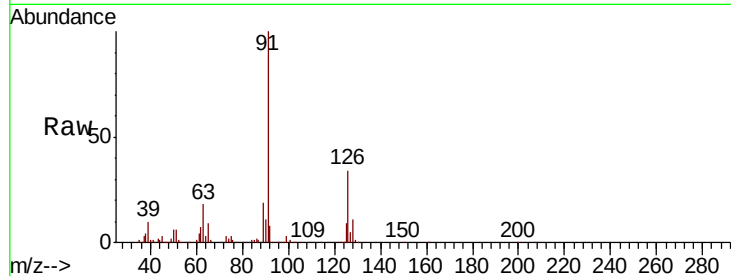




#79
 2-Chlorotoluene
 Concen: 20.486 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

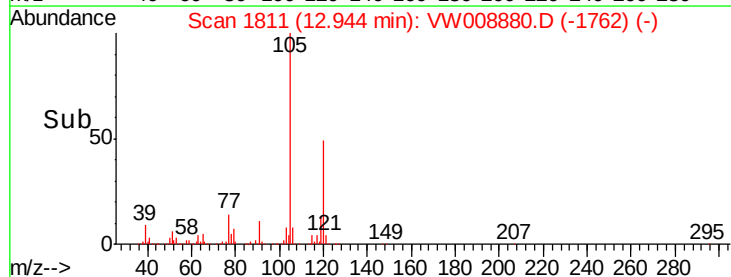
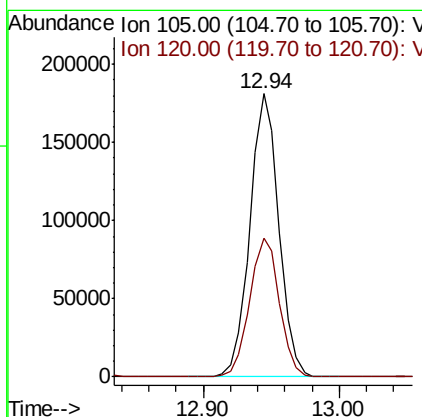
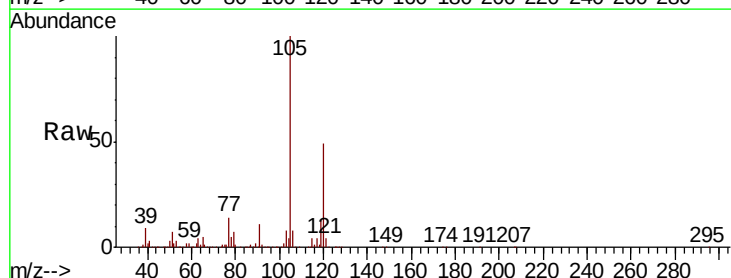
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

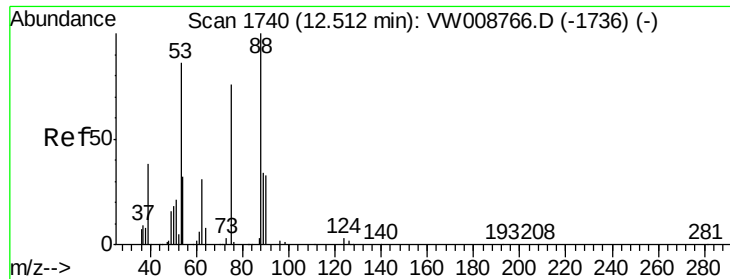
Tot Ion: 91 Resp: 220647
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 19.958 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion: 105 Resp: 268977
 Ion Ratio Lower Upper
 105 100
 120 50.7 24.8 74.4

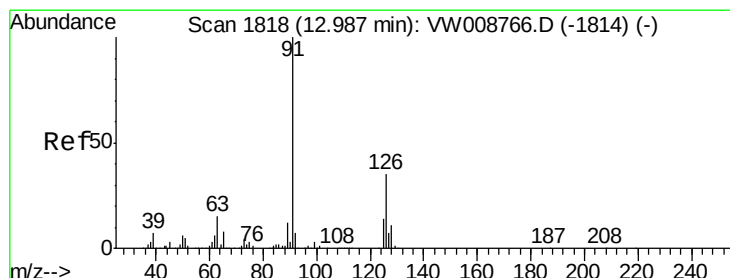
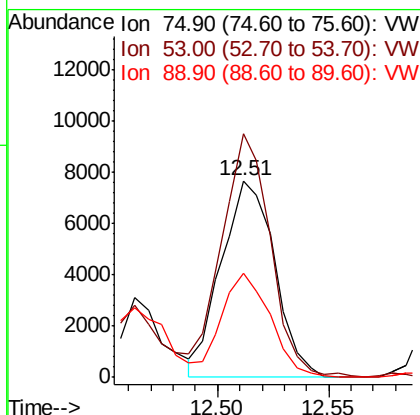
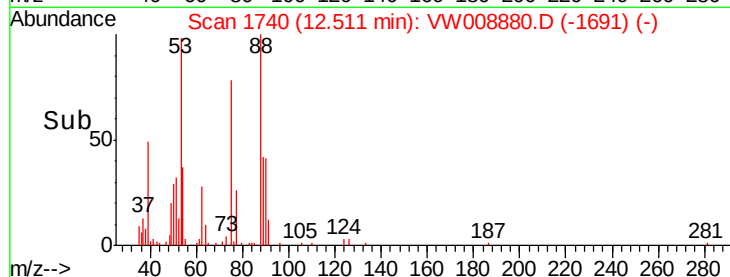
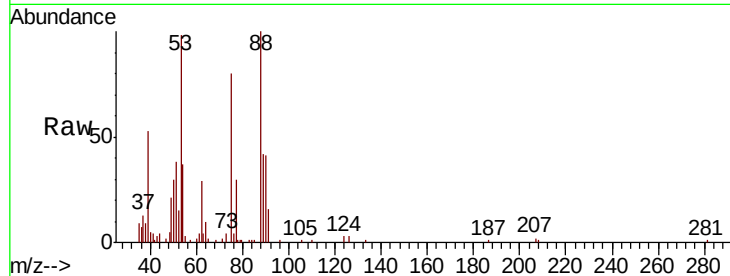




#81
trans-1,4-Dichloro-2-butene
Concen: 16.668 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

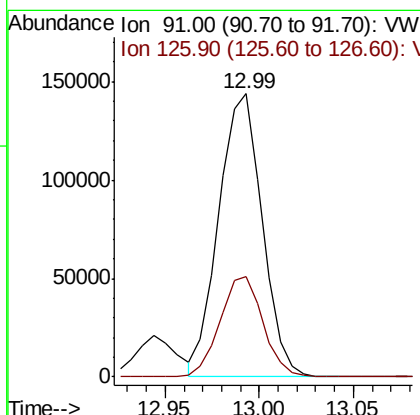
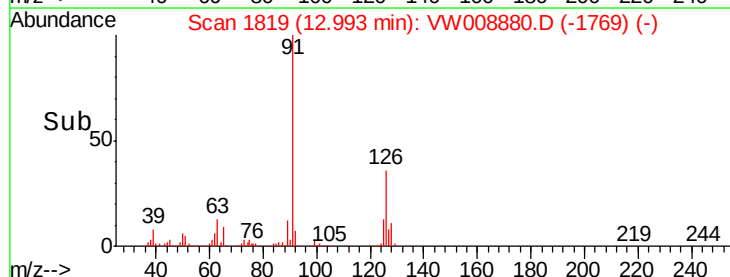
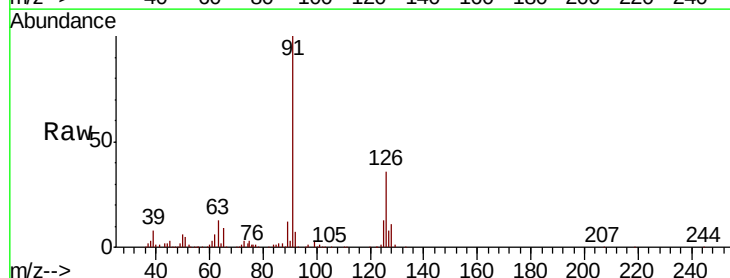
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

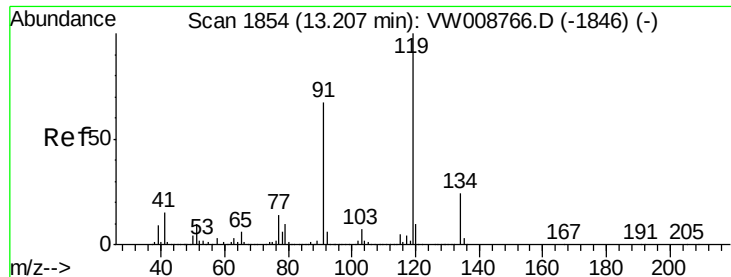
Tot Ion: 75 Resp: 12806
Ion Ratio Lower Upper
75 100
53 113.3 88.2 132.2
89 49.3 39.5 59.3



#82
4-Chlorotoluene
Concen: 20.222 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion: 91 Resp: 229516
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.6

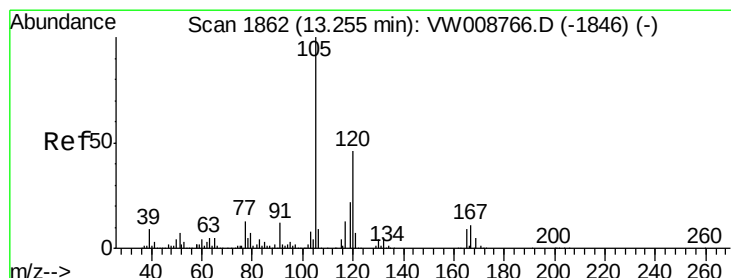
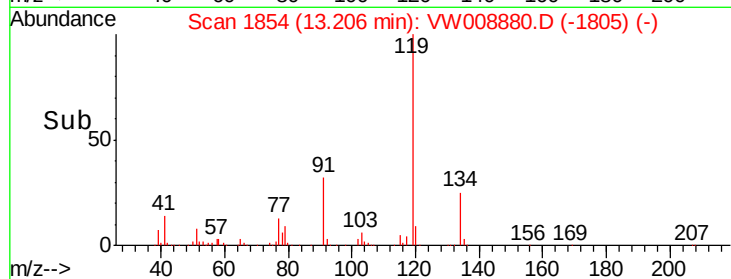
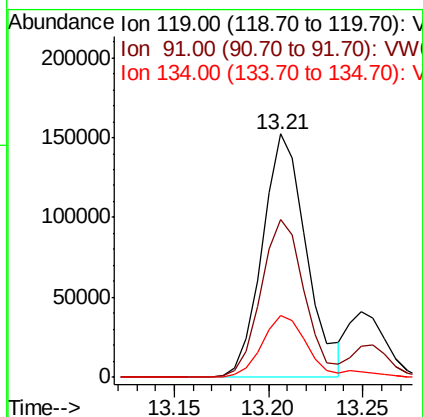
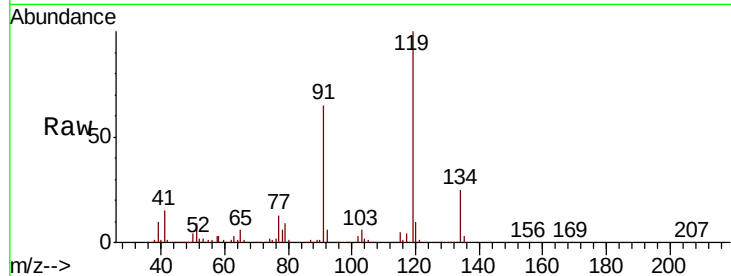




#83
tert-Butylbenzene
Concen: 21.226 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

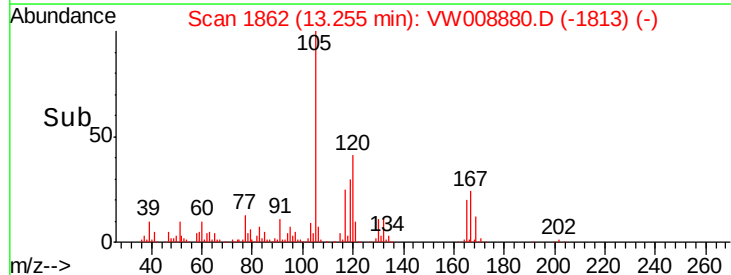
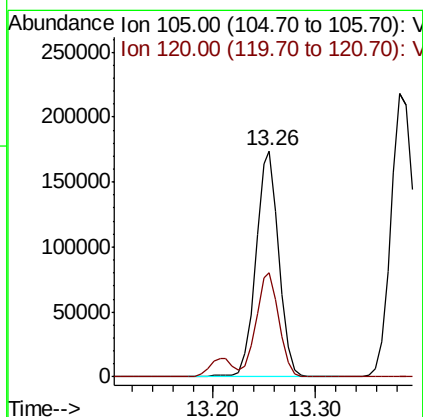
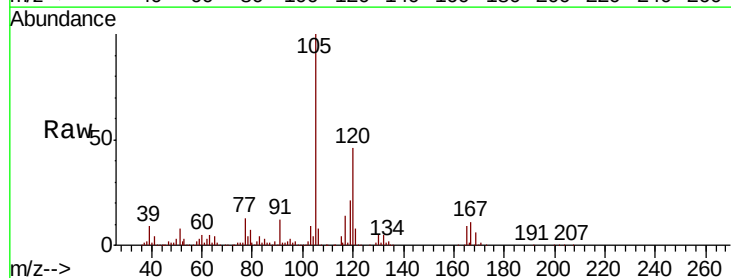
Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

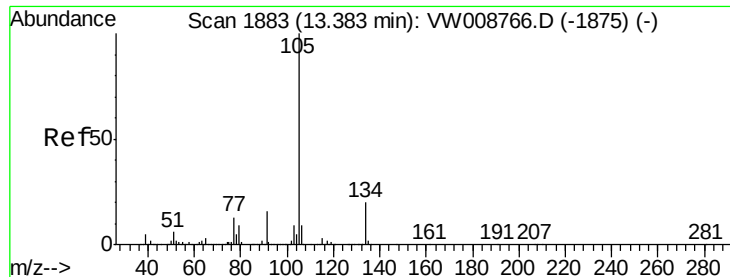
Tot Ion:119 Resp: 247354
Ion Ratio Lower Upper
119 100
91 63.9 33.6 100.8
134 27.1 13.7 41.1



#84
1,2,4-Trimethylbenzene
Concen: 19.536 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion:105 Resp: 272547
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4





#85

sec-Butylbenzene

Concen: 20.714 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

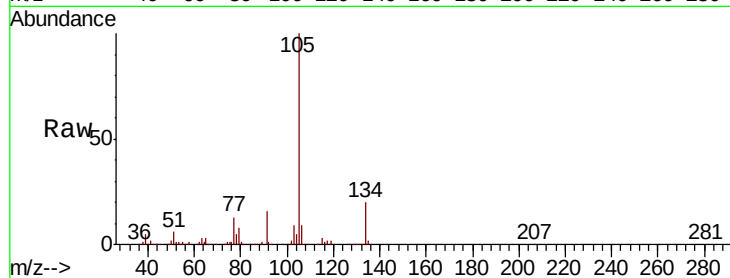
VW0228SBS01

Tot Ion:105 Resp: 347091

Ion Ratio Lower Upper

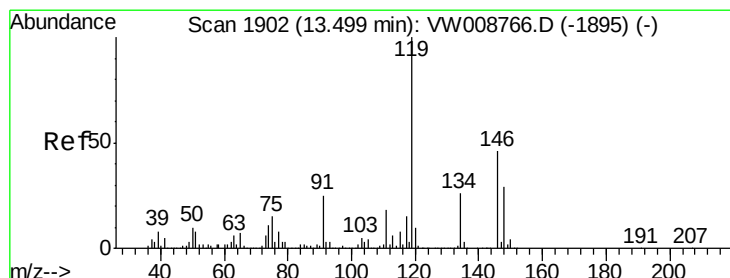
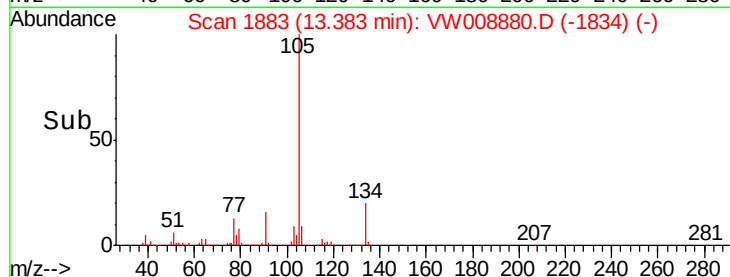
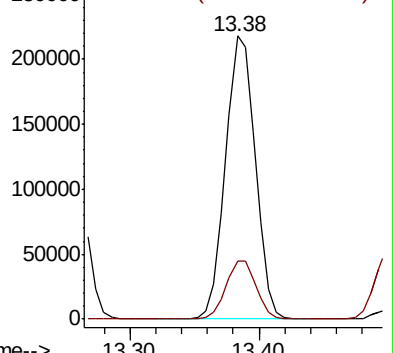
105 100

134 20.7 10.4 31.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.155 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

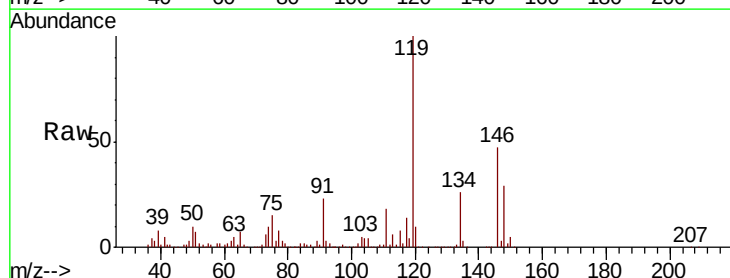
Tgt Ion:119 Resp: 309603

Ion Ratio Lower Upper

119 100

134 26.1 13.1 39.3

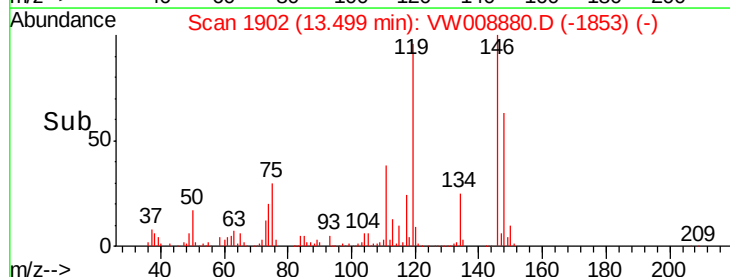
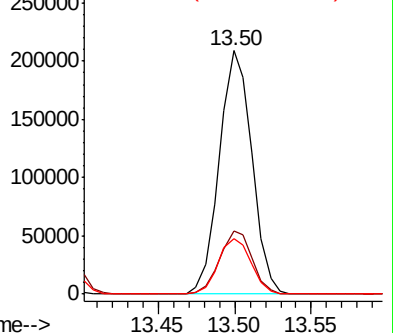
91 23.1 12.1 36.3

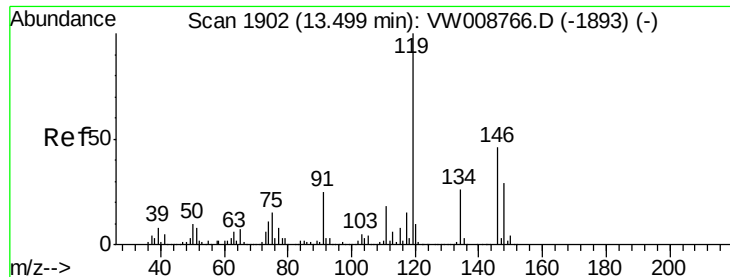


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

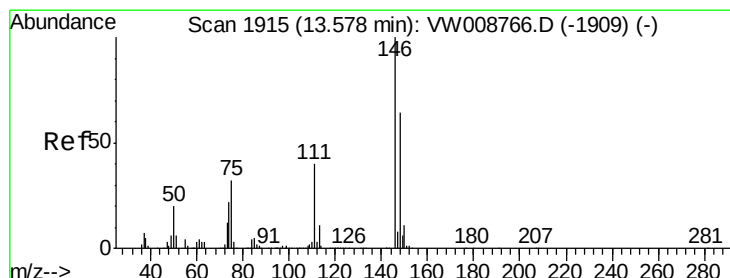
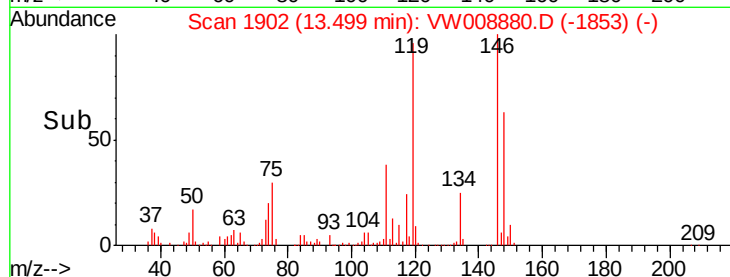
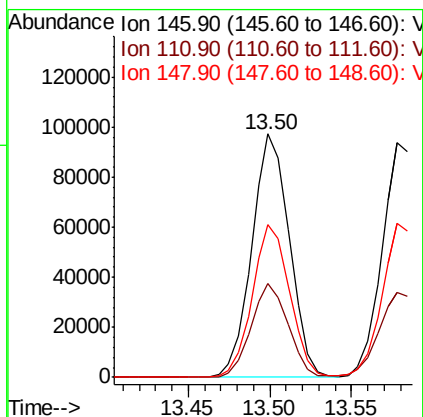
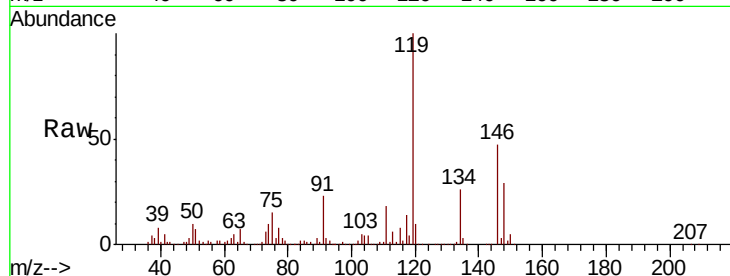




#87
 1,3-Dichlorobenzene
 Concen: 20.532 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

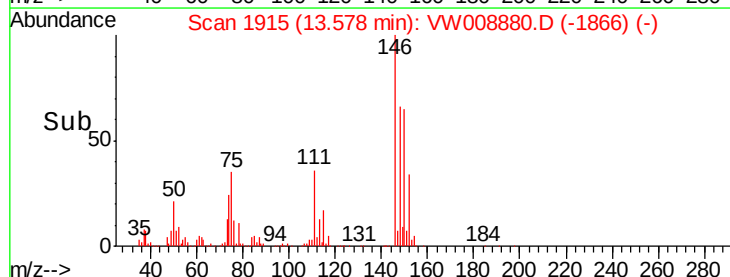
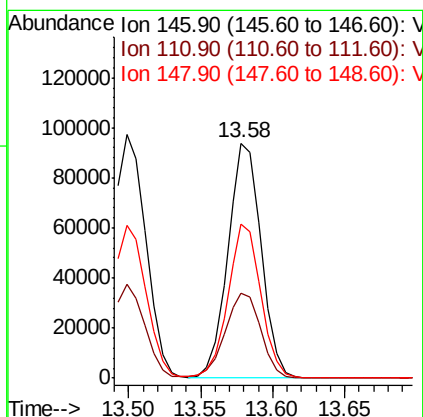
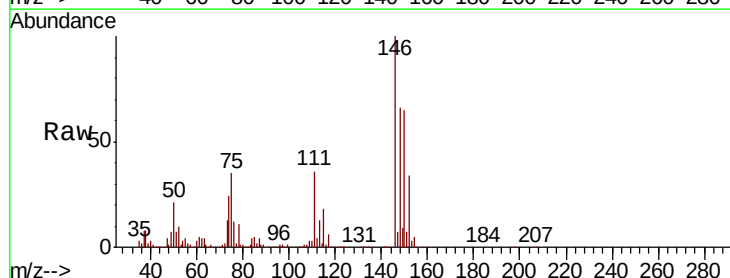
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

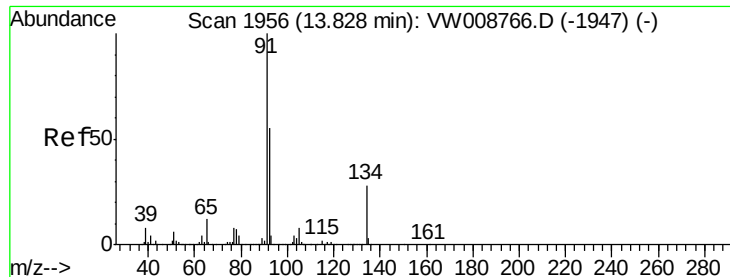
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.9	59.7
148	62.1	31.6	94.8



#88
 1,4-Dichlorobenzene
 Concen: 20.210 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.3	57.9
148	65.0	31.9	95.9





#89

n-Butylbenzene

Concen: 20.039 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008880.D

Acq: 28 Feb 2019 11:58

Instrument :

MSVOA_W

ClientSampleId :

VW0228SBS01

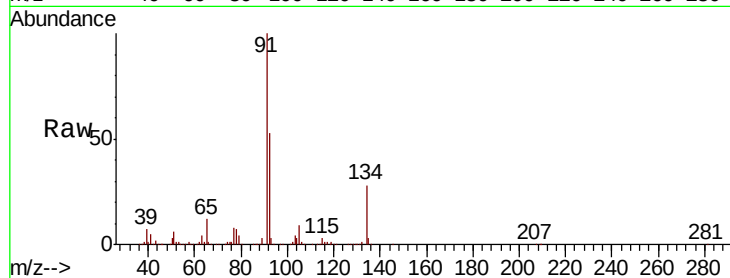
Tot Ion: 91 Resp: 288371

Ion Ratio Lower Upper

91 100

92 52.7 26.8 80.4

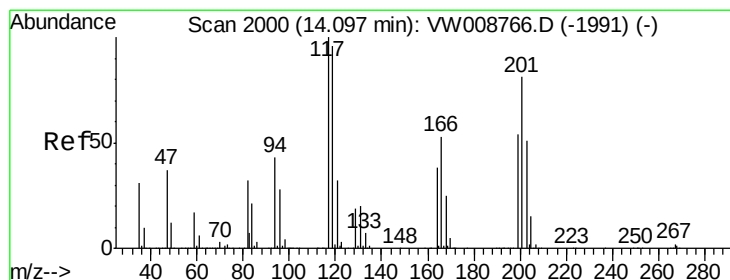
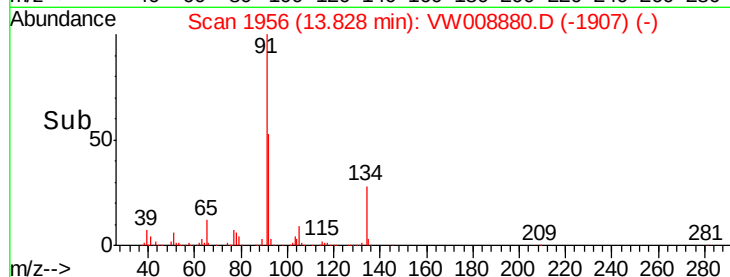
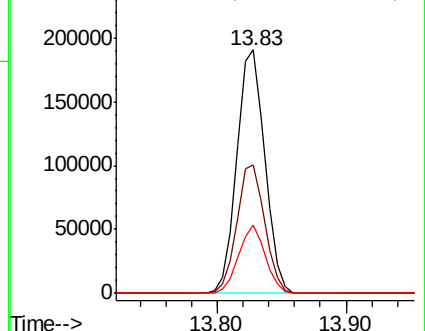
134 26.5 13.5 40.4



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: 20.364 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW008880.D

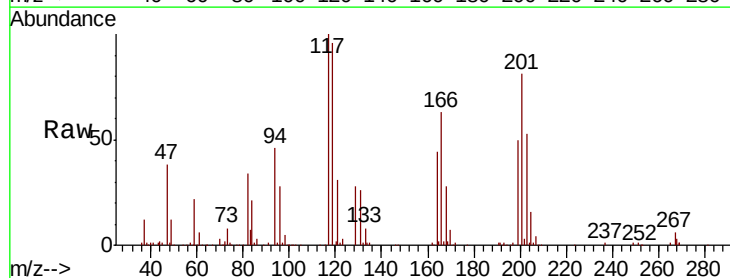
Acq: 28 Feb 2019 11:58

Tgt Ion: 117 Resp: 51209

Ion Ratio Lower Upper

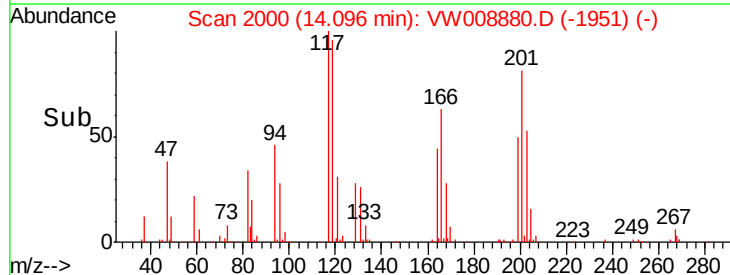
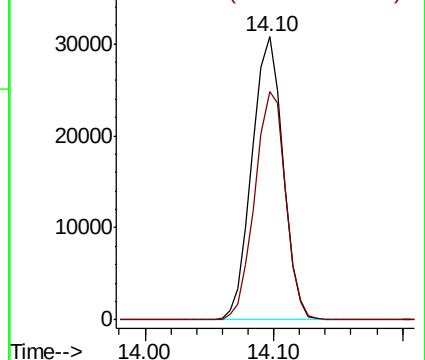
117 100

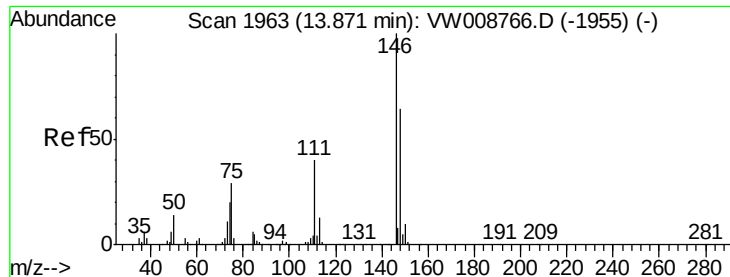
201 79.9 40.3 120.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

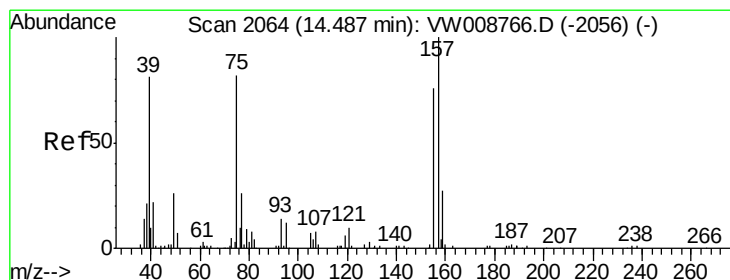
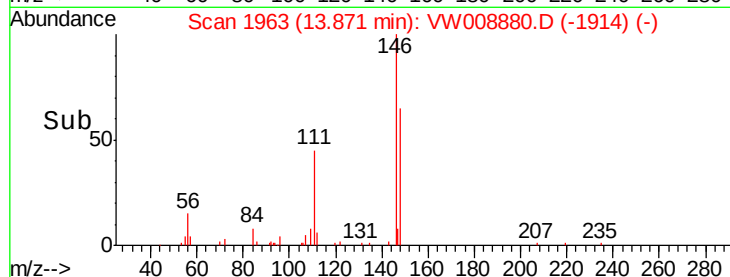
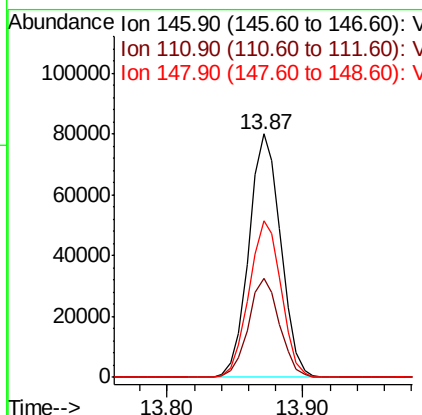
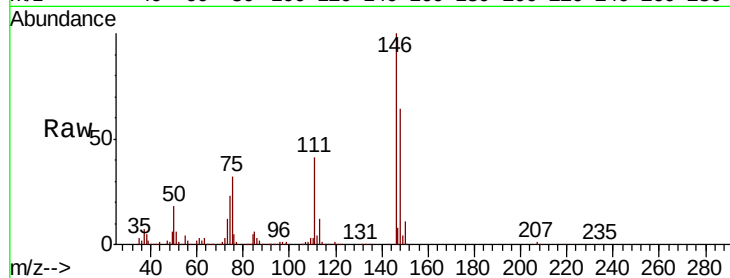




#91
 1,2-Dichlorobenzene
 Concen: 19.381 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

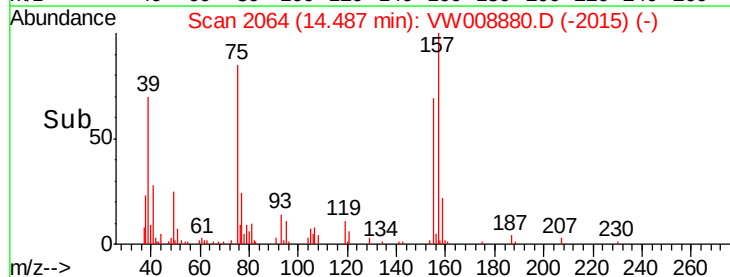
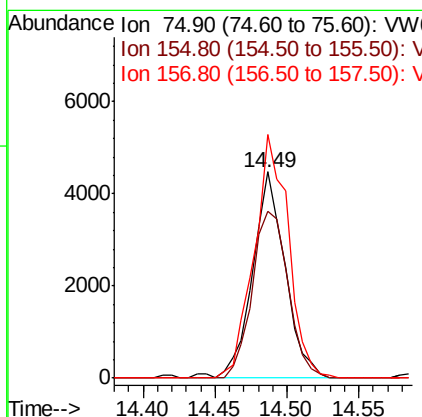
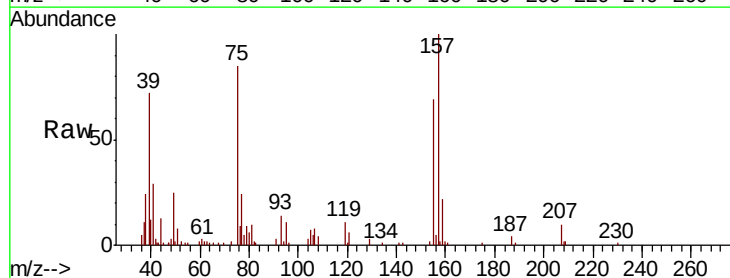
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

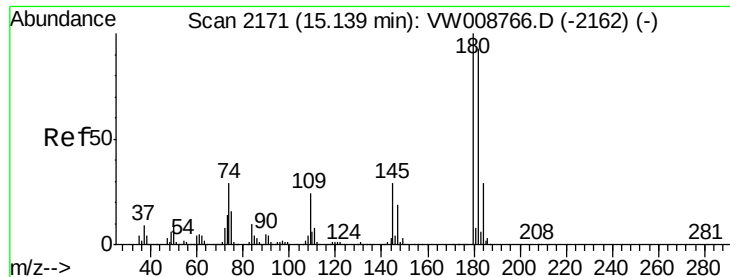
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.8	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.229 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.4	41.8	125.4
157	124.0	56.6	169.9

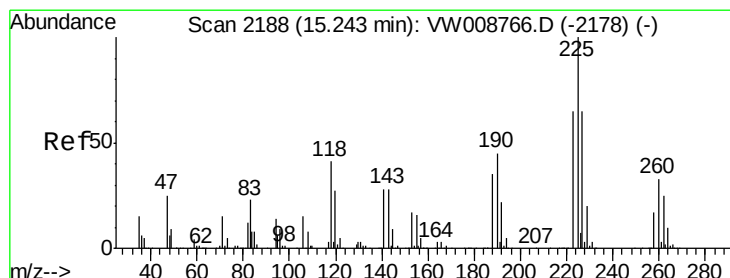
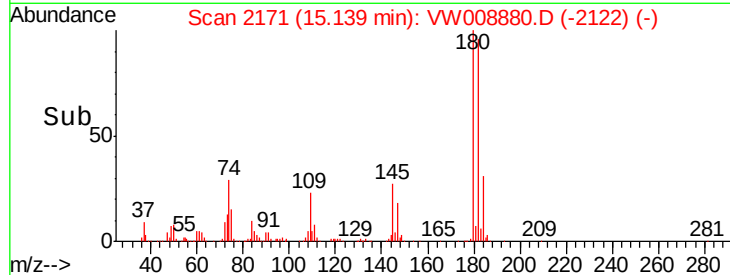
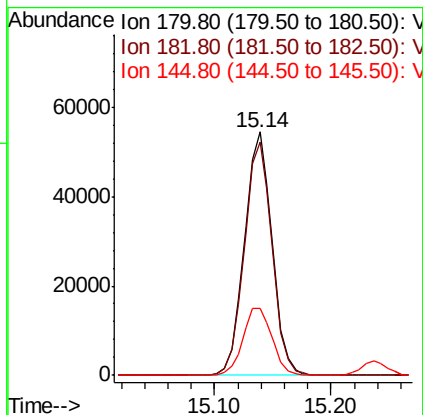
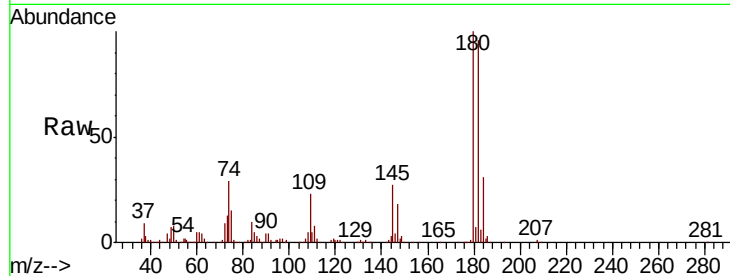




#93
 1,2,4-Trichlorobenzene
 Concen: 18.387 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

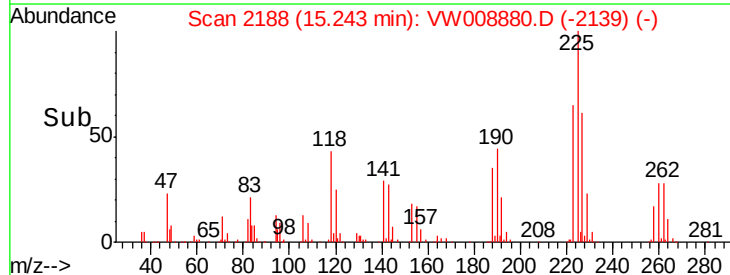
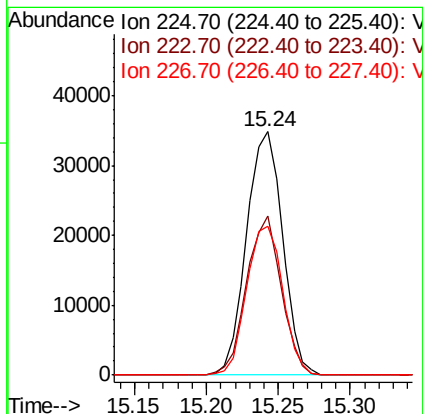
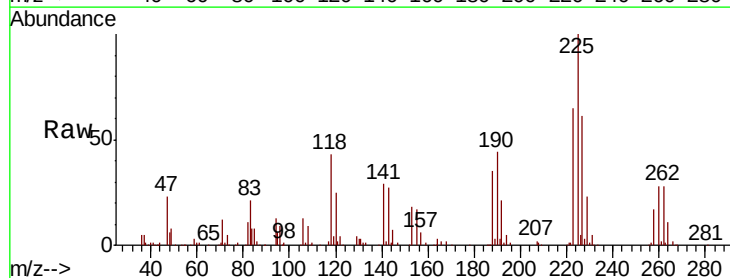
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0228SBS01

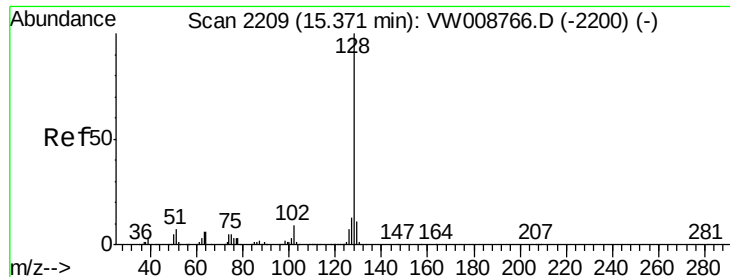
Tot Ion:180 Resp: 89754
 Ion Ratio Lower Upper
 180 100
 182 96.1 47.2 141.6
 145 29.0 14.4 43.0



#94
 Hexachlorobutadiene
 Concen: 20.988 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008880.D
 Acq: 28 Feb 2019 11:58

Tgt Ion:225 Resp: 60347
 Ion Ratio Lower Upper
 225 100
 223 62.8 31.5 94.5
 227 61.6 31.6 94.8

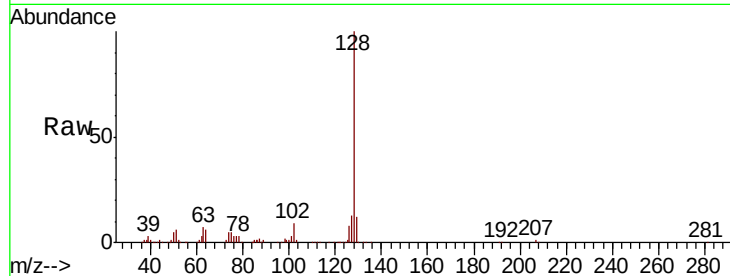




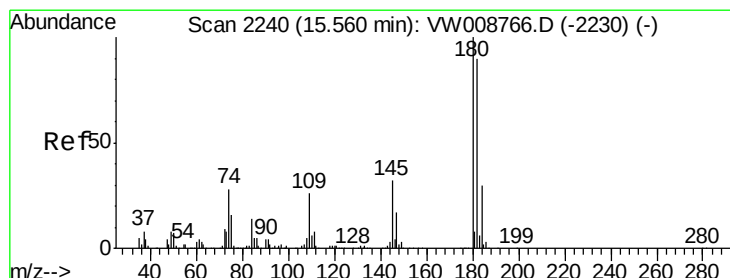
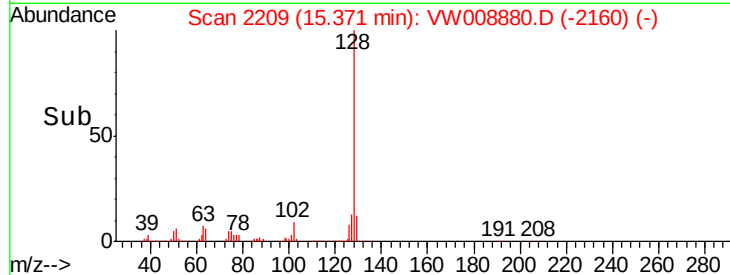
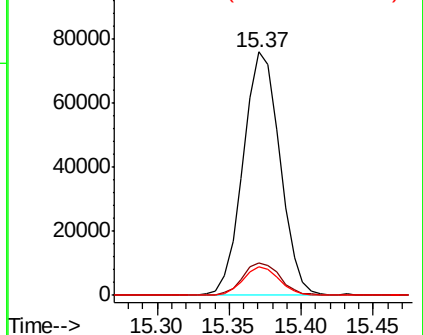
#95
Naphthalene
Concen: 16.182 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Instrument :
MSVOA_W
ClientSampleId :
VW0228SBS01

Tot Ion:128 Resp: 134491
Ion Ratio Lower Upper
128 100
127 13.7 10.8 16.2
129 11.5 8.7 13.1

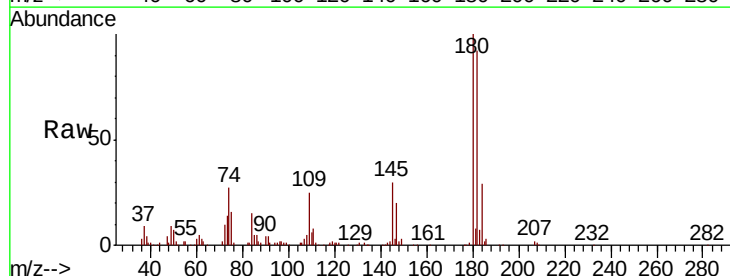


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.454 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008880.D
Acq: 28 Feb 2019 11:58

Tgt Ion:180 Resp: 77889
Ion Ratio Lower Upper
180 100
182 93.0 46.9 140.8
145 31.6 15.9 47.6



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

