

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008571.D
 Acq On : 08 Feb 2019 13:55
 Operator : SY/VA
 Sample : VW0208SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

Quant Time: Feb 09 00:25:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W012419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 25 11:07:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	525058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	837911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	776059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	410770	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	305414	59.21	ug/l	0.00
Spiked Amount			Recovery	=	118.42%	
35) Dibromofluoromethane	7.88	113	279433	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	
50) Toluene-d8	10.32	98	1166882	59.39	ug/l	0.00
Spiked Amount			Recovery	=	118.78%	
62) 4-Bromofluorobenzene	12.62	95	456943	60.51	ug/l	0.00
Spiked Amount			Recovery	=	121.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	40882	15.850	ug/l	96
3) Chloromethane	2.21	50	95708	22.331	ug/l	98
4) Vinyl Chloride	2.36	62	129607	23.756	ug/l	98
5) Bromomethane	2.78	94	83892	23.839	ug/l	100
6) Chloroethane	2.92	64	83960	25.163	ug/l	96
7) Trichlorofluoromethane	3.25	101	84274	20.806	ug/l	99
8) Diethyl Ether	3.67	74	62399	23.830	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	99478	20.948	ug/l	98
10) Methyl Iodide	4.26	142	151088	20.142	ug/l	97
11) Tert butyl alcohol	5.18	59	36569	88.056	ug/l #	86
12) 1,1-Dichloroethene	4.03	96	96408	20.060	ug/l	88
13) Acrolein	3.89	56	30836	86.934	ug/l	89
14) Allyl chloride	4.65	41	180233	19.749	ug/l	94
15) Acrylonitrile	5.36	53	107141	94.759	ug/l	100
16) Acetone	4.12	43	114764	99.075	ug/l	97
17) Carbon Disulfide	4.37	76	282454	18.402	ug/l	97
18) Methyl Acetate	4.66	43	57182	18.508	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	164695	20.712	ug/l	99
20) Methylene Chloride	4.90	84	110736	20.741	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	105845	19.590	ug/l	96
22) Diisopropyl ether	6.31	45	348028	20.122	ug/l	98
23) Vinyl Acetate	6.25	43	1007735	98.673	ug/l	100
24) 1,1-Dichloroethane	6.21	63	195268	19.945	ug/l	97
25) 2-Butanone	7.17	43	151333	94.058	ug/l	96
26) 2,2-Dichloropropane	7.17	77	138696	20.959	ug/l	99
27) cis-1,2-Dichloroethene	7.16	96	115577	19.628	ug/l	95
28) Bromochloromethane	7.51	49	98185	21.835	ug/l	96
29) Tetrahydrofuran	7.52	42	95585	93.750	ug/l	98
30) Chloroform	7.67	83	198673	20.631	ug/l	96
31) Cyclohexane	7.95	56	198379	19.596	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	174626	20.995	ug/l	98
36) 1,1-Dichloropropene	8.07	75	162419	20.520	ug/l	99
37) Ethyl Acetate	7.25	43	69788	19.929	ug/l	97
38) Carbon Tetrachloride	8.06	117	164277	20.625	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.33	83	206116	19.823	ug/l	100
40) Benzene	8.32	78	438534	19.967	ug/l	98
41) Methacrylonitrile	7.48	41	34652	16.712	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	133965	21.048	ug/l	99
43) Isopropyl Acetate	8.42	43	142417	19.576	ug/l	98
44) Trichloroethene	9.09	130	119072	19.937	ug/l	99
45) 1,2-Dichloropropane	9.37	63	111273	20.319	ug/l	99
46) Dibromomethane	9.45	93	53798	19.100	ug/l	97
47) Bromodichloromethane	9.64	83	147729	19.829	ug/l	96
48) Methyl methacrylate	9.43	41	65658	18.457	ug/l	97
49) 1,4-Dioxane	9.45	88	17586	369.378	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	352426	98.056	ug/l	100
52) Toluene	10.38	92	305178	21.049	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	162670	20.520	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	179051	19.903	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	80487	20.602	ug/l	99
56) Ethyl methacrylate	10.65	69	105878	19.341	ug/l	98
57) 1,3-Dichloropropane	10.93	76	144366	20.626	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	275180	103.458	ug/l	100
59) 2-Hexanone	10.97	43	248896	98.094	ug/l	98
60) Dibromochloromethane	11.13	129	97253	19.371	ug/l	100
61) 1,2-Dibromoethane	11.23	107	77082	19.898	ug/l	99
64) Tetrachloroethene	10.86	164	104760	19.938	ug/l	98
65) Chlorobenzene	11.66	112	326674	20.621	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	116647	20.580	ug/l	99
67) Ethyl Benzene	11.73	91	616072	21.156	ug/l	99
68) m/p-Xylenes	11.84	106	465320	41.184	ug/l	98
69) o-Xylene	12.16	106	223778	20.845	ug/l	100
70) Styrene	12.18	104	352805	19.896	ug/l	99
71) Bromoform	12.35	173	58140	18.231	ug/l #	99
73) Isopropylbenzene	12.46	105	629701	20.563	ug/l	99
74) N-amyl acetate	12.27	43	144695	18.341	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	93693	19.325	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	134510	37.664	ug/l #	1
77) Bromobenzene	12.75	156	135548	20.268	ug/l	99
78) n-propylbenzene	12.80	91	759374	20.646	ug/l	100
79) 2-Chlorotoluene	12.90	91	433518	20.887	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	532066	20.787	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	32420	17.929	ug/l	93
82) 4-Chlorotoluene	12.99	91	448864	20.313	ug/l	100
83) tert-Butylbenzene	13.21	119	460774	20.229	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	538870	20.713	ug/l	98
85) sec-Butylbenzene	13.38	105	678674	20.863	ug/l	99
86) p-Isopropyltoluene	13.50	119	587872	20.631	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	275931	20.429	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	277065	20.641	ug/l	100
89) n-Butylbenzene	13.83	91	569430	20.353	ug/l	100
90) Hexachloroethane	14.10	117	108826	19.530	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	249257	20.856	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	17537	19.064	ug/l	87

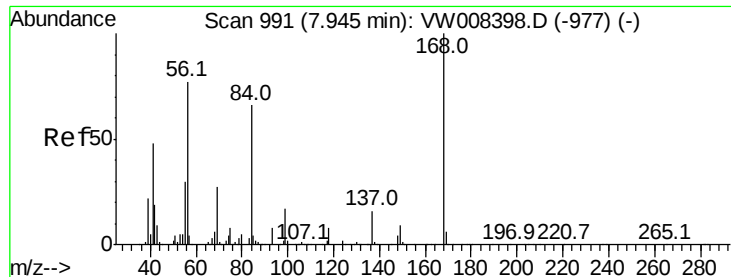
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	169819	19.912	ug/l	98
94) Hexachlorobutadiene	15.24	225	106133	20.649	ug/l	99
95) Naphthalene	15.37	128	293980	19.632	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	141100	19.504	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. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

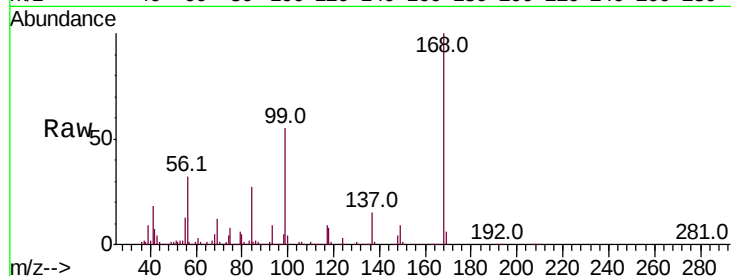
VW0208SBS01

Tot Ion:168 Resp: 525058

Ion Ratio Lower Upper

168 100

99 54.6 45.5 68.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

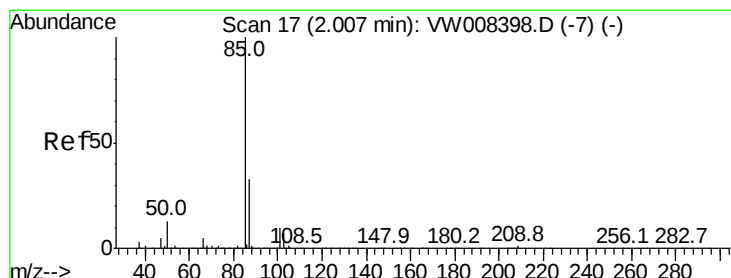
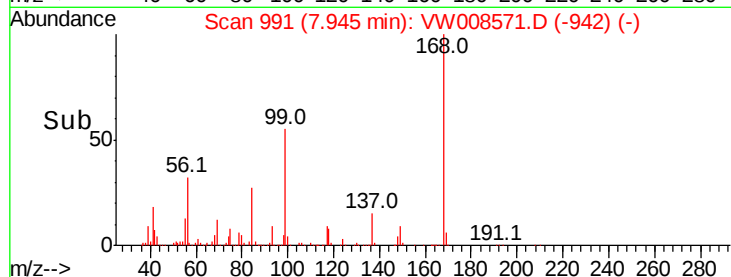
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 15.850 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008571.D

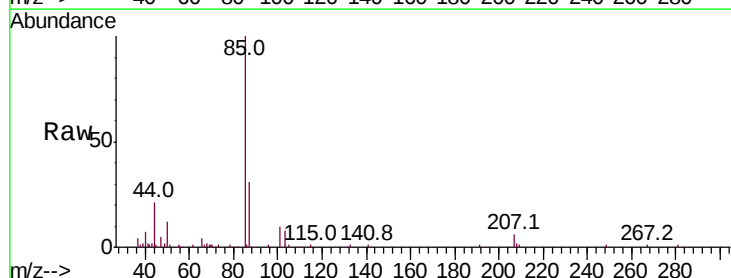
Acq: 08 Feb 2019 13:55

Tgt Ion: 85 Resp: 40882

Ion Ratio Lower Upper

85 100

87 30.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

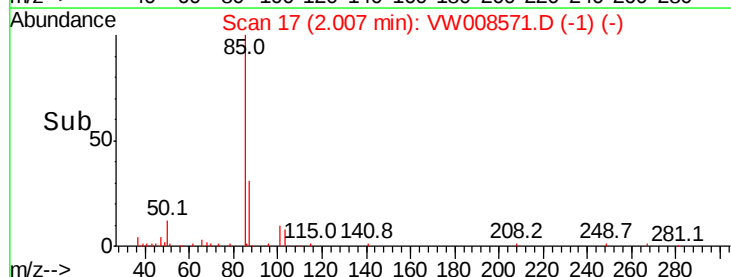
15000

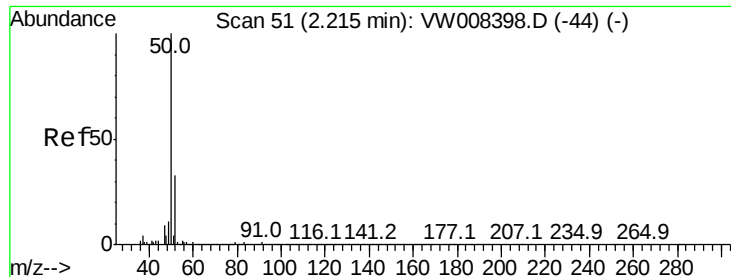
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.331 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

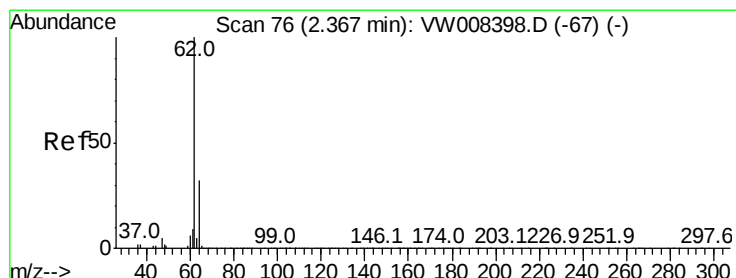
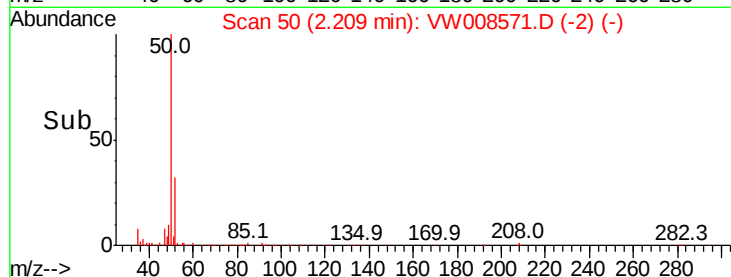
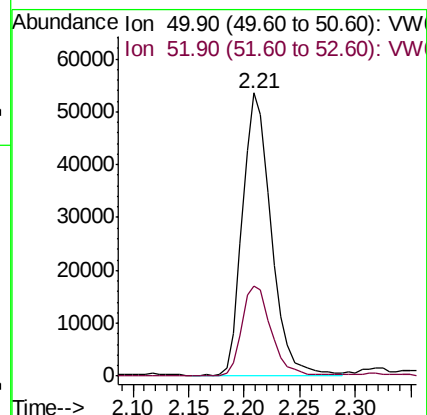
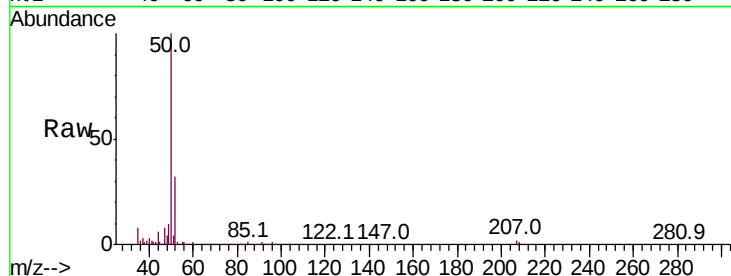
VW0208SBS01

Tot Ion: 50 Resp: 95708

Ion Ratio Lower Upper

50 100

52 32.0 26.3 39.5



#4

Vinyl Chloride

Concen: 23.756 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008571.D

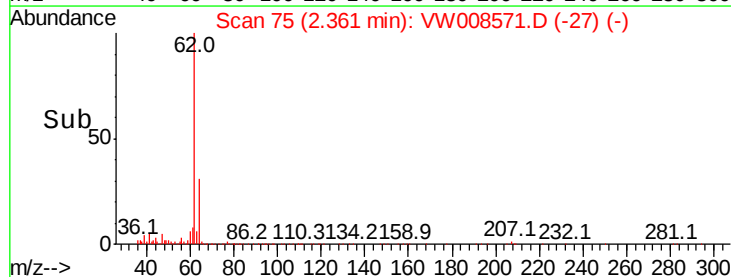
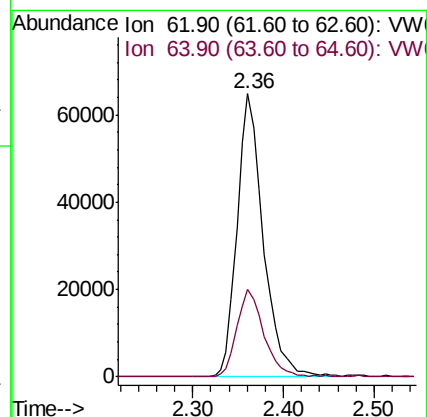
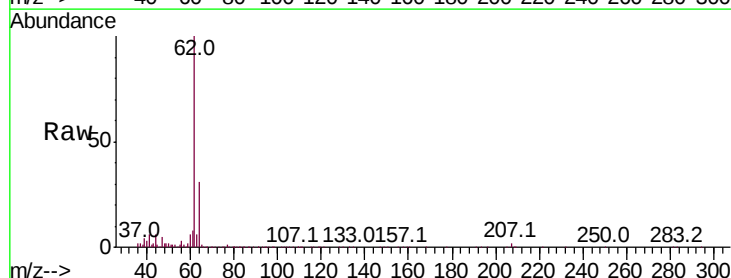
Acq: 08 Feb 2019 13:55

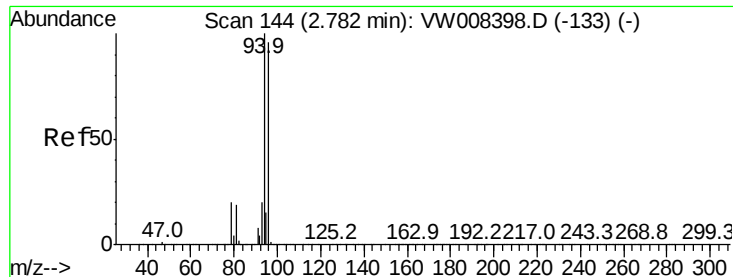
Tgt Ion: 62 Resp: 129607

Ion Ratio Lower Upper

62 100

64 31.0 25.5 38.3





#5

Bromomethane

Concen: 23.839 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

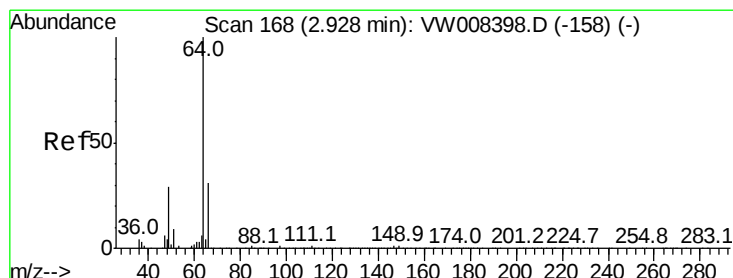
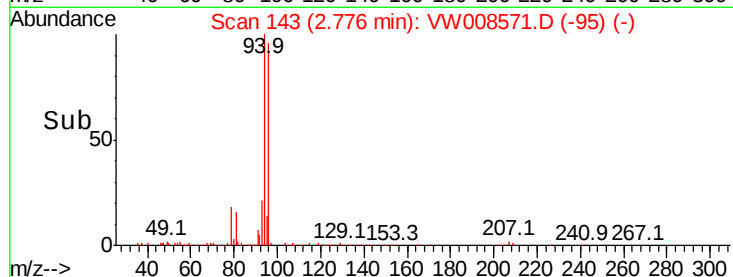
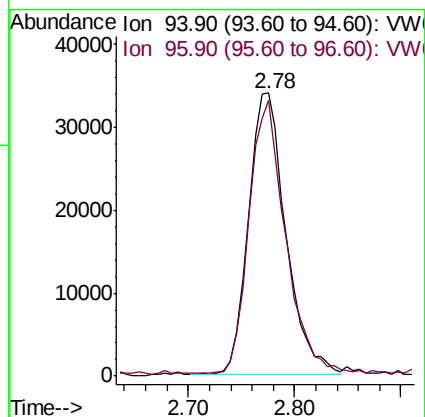
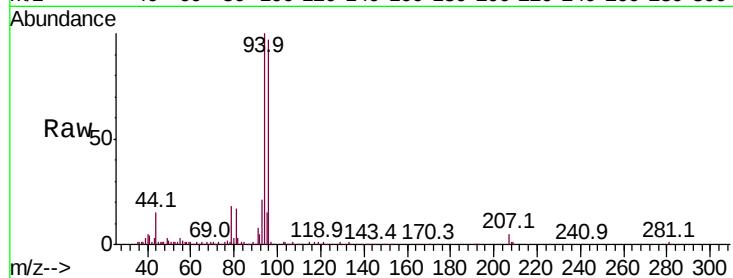
VW0208SBS01

Tot Ion: 94 Resp: 83892

Ion Ratio Lower Upper

94 100

96 96.6 77.2 115.8



#6

Chloroethane

Concen: 25.163 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008571.D

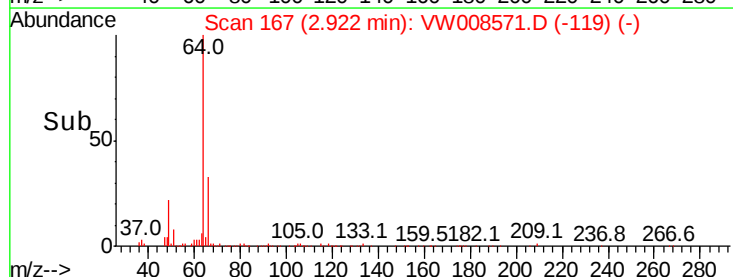
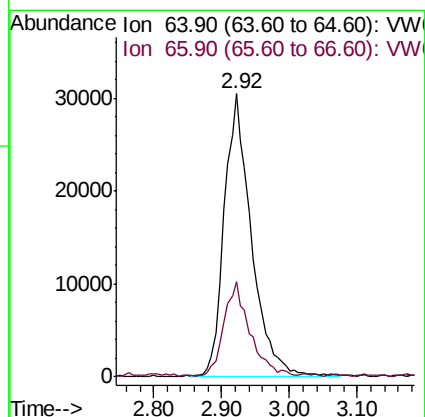
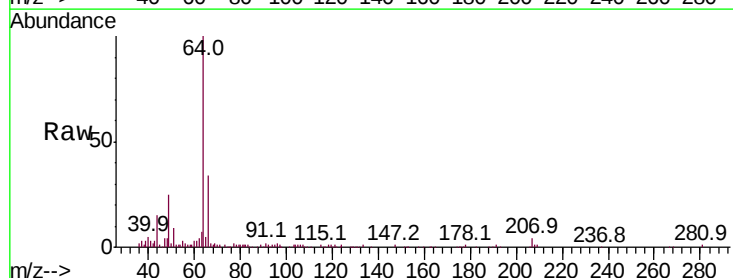
Acq: 08 Feb 2019 13:55

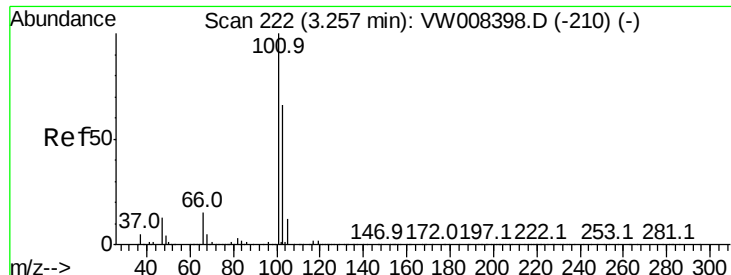
Tgt Ion: 64 Resp: 83960

Ion Ratio Lower Upper

64 100

66 33.2 24.9 37.3



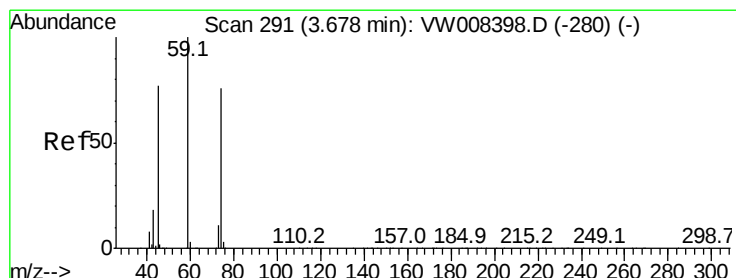
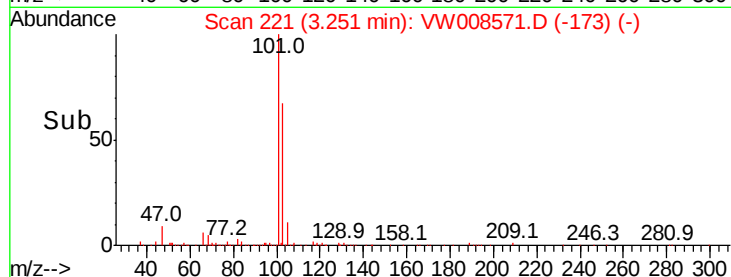
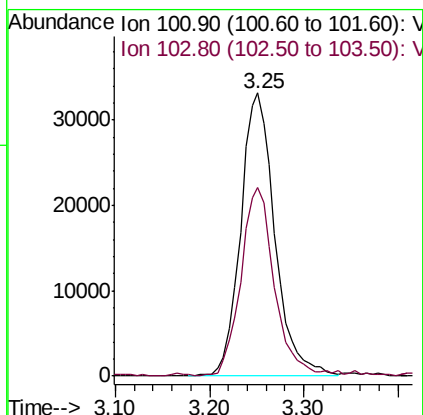
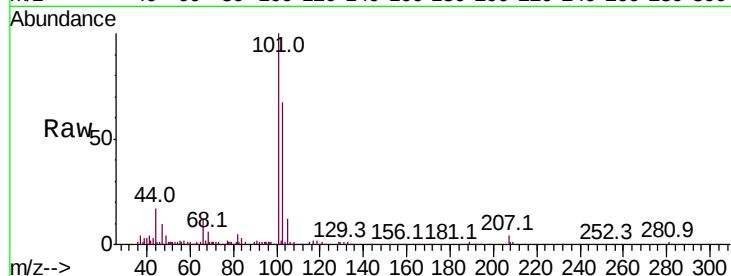


#7

Trichlorofluoromethane
 Concen: 20.806 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Instrument :
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 ClientSampleId :
 VW0208SBS01

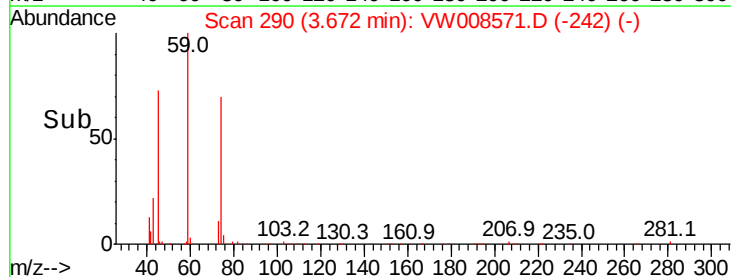
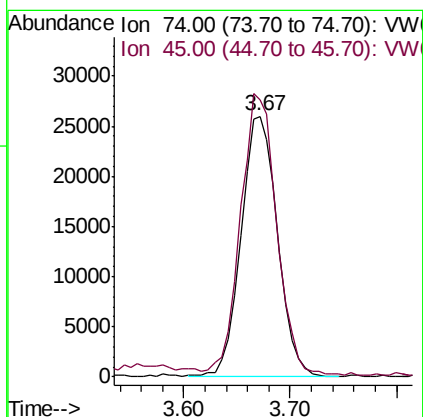
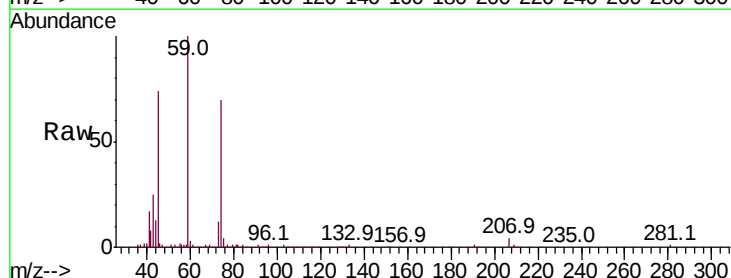
Tot Ion:101 Resp: 84274
 Ion Ratio Lower Upper
 101 100
 103 66.0 52.5 78.7

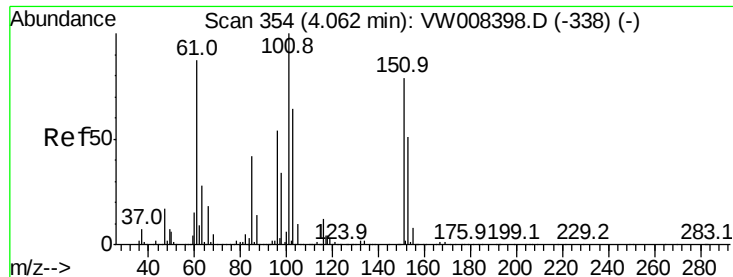


#8

Diethyl Ether
 Concen: 23.830 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Tgt Ion: 74 Resp: 62399
 Ion Ratio Lower Upper
 74 100
 45 107.7 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.948 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

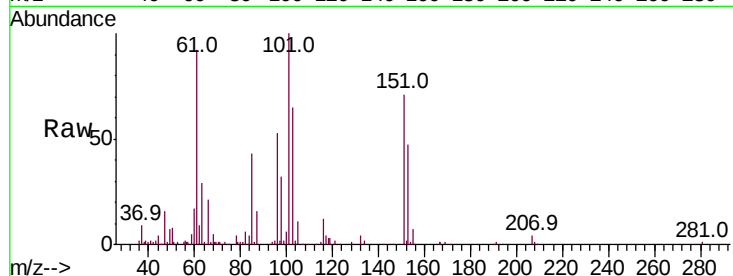
Tot Ion:101 Resp: 99478

Ion Ratio Lower Upper

101 100

85 42.8 35.0 52.4

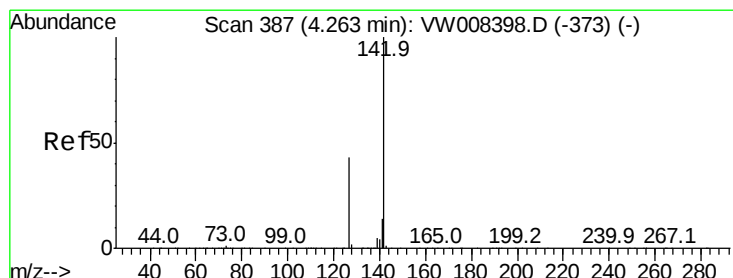
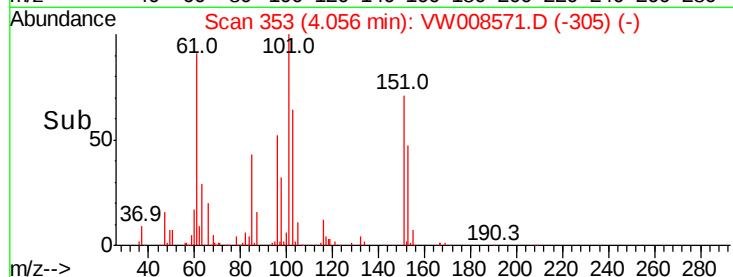
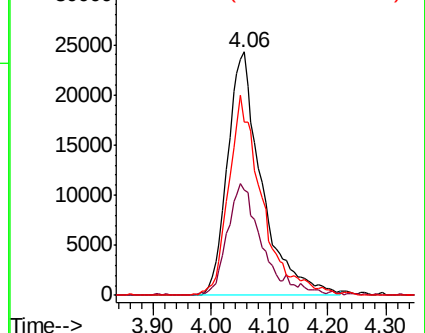
151 80.1 62.6 94.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.142 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

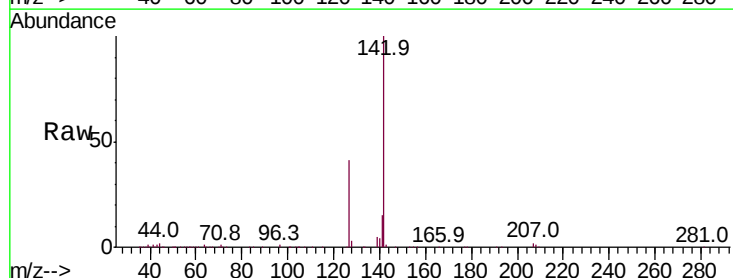
Tgt Ion:142 Resp: 151088

Ion Ratio Lower Upper

142 100

127 45.4 34.6 52.0

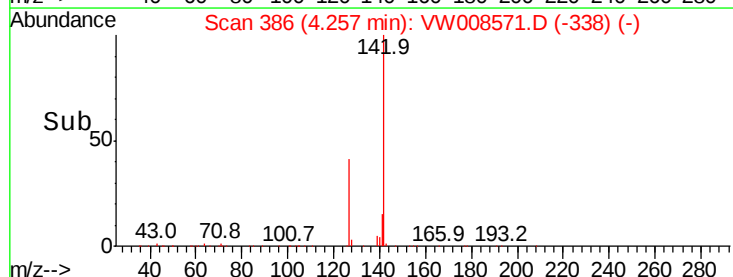
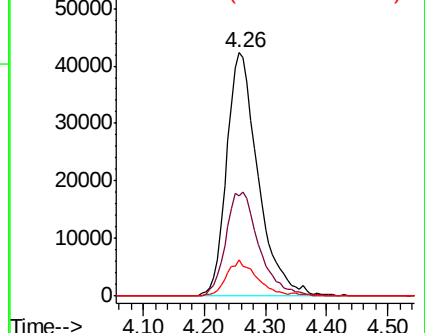
141 14.0 11.4 17.2

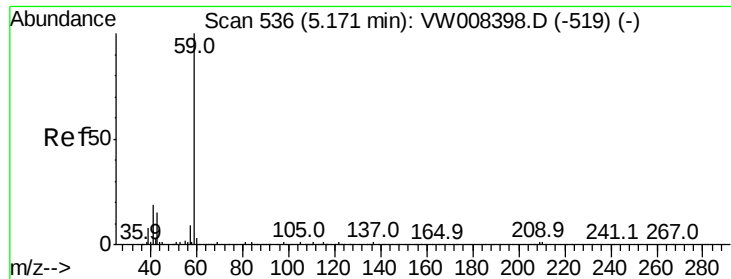


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



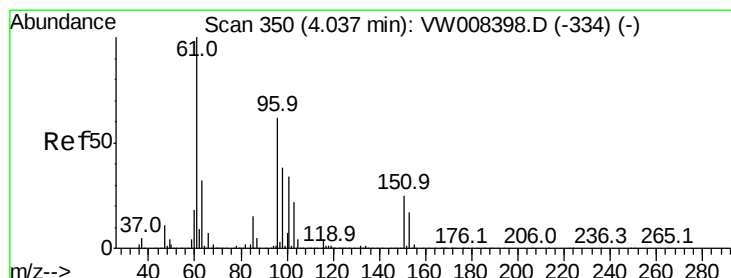
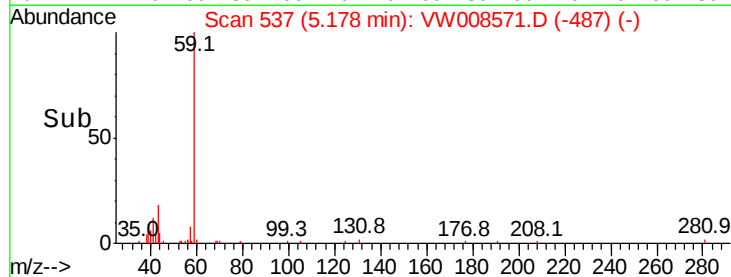
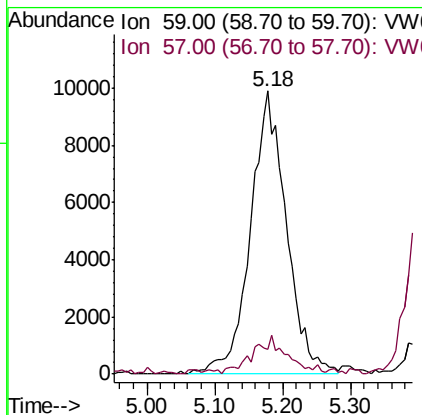
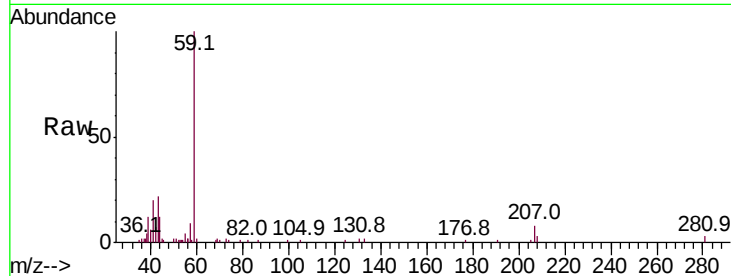


#11

Tert butyl alcohol
 Concen: 88.056 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

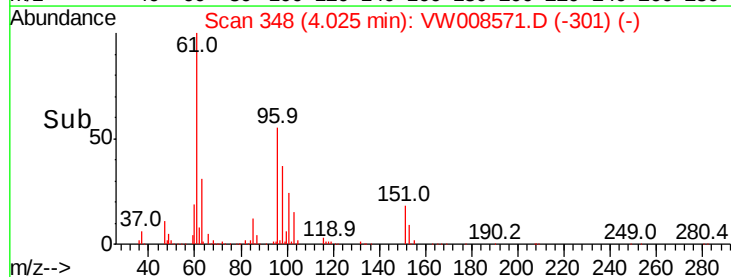
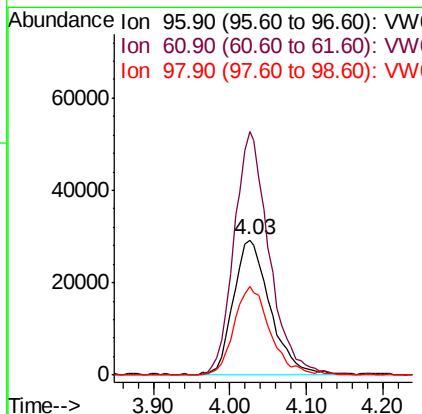
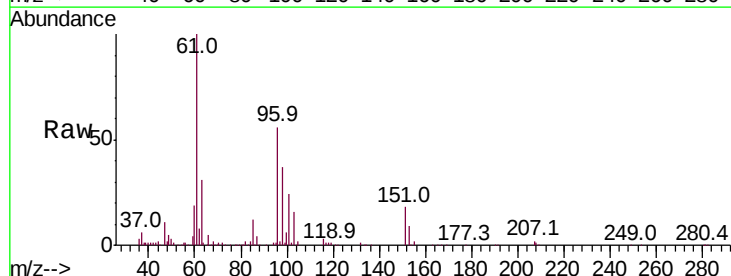
Tot Ion: 59 Resp: 36569
 Ion Ratio Lower Upper
 59 100
 57 6.1 9.3 13.9#

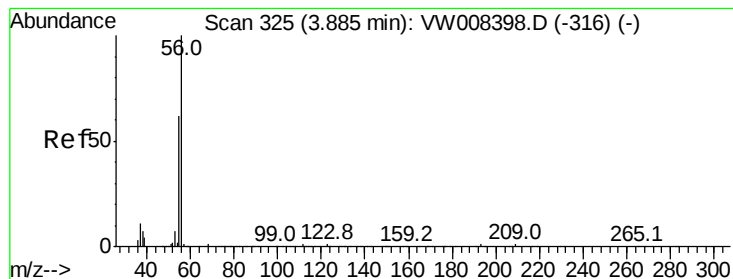


#12

1,1-Dichloroethene
 Concen: 20.060 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Tgt Ion: 96 Resp: 96408
 Ion Ratio Lower Upper
 96 100
 61 180.5 129.5 194.3
 98 65.9 48.6 73.0





#13

Acrolein

Concen: 86.934 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampled :

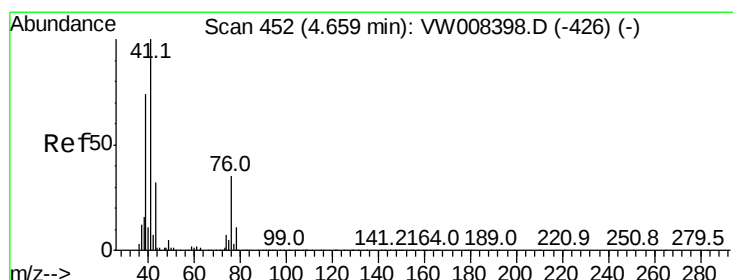
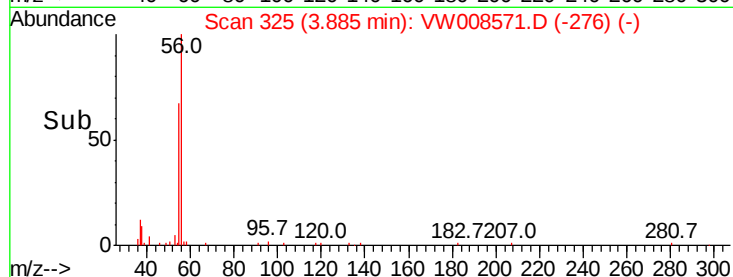
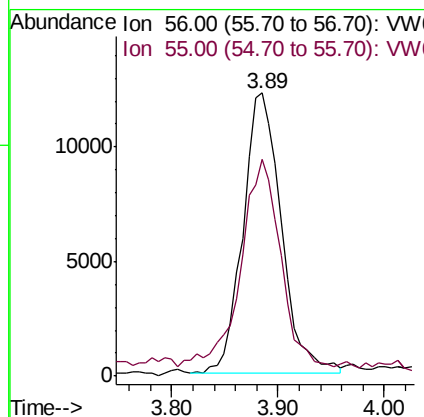
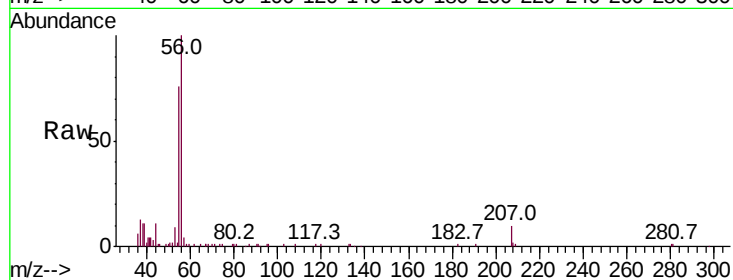
VW0208SBS01

Tot Ion: 56 Resp: 30836

Ion Ratio Lower Upper

56 100

55 80.1 56.7 85.1



#14

Allyl chloride

Concen: 19.749 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

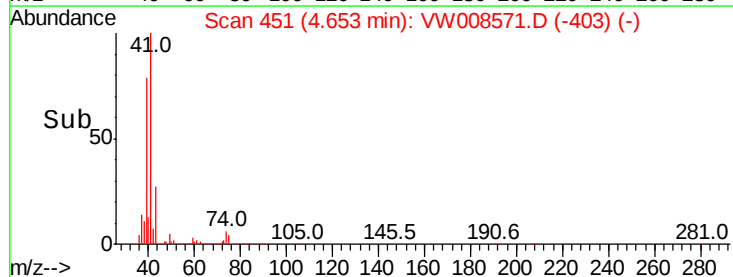
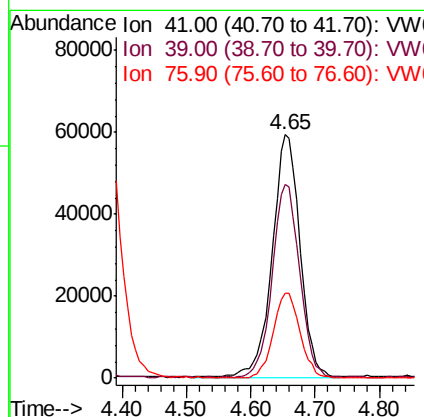
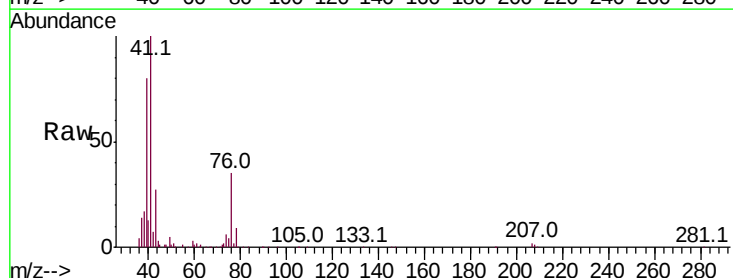
Tgt Ion: 41 Resp: 180233

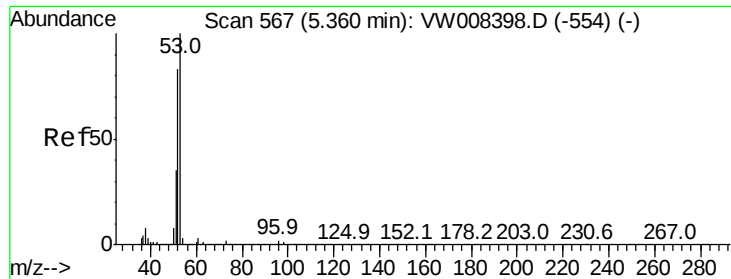
Ion Ratio Lower Upper

41 100

39 78.6 57.7 86.5

76 34.0 26.9 40.3





#15

Acrylonitrile

Concen: 94.759 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

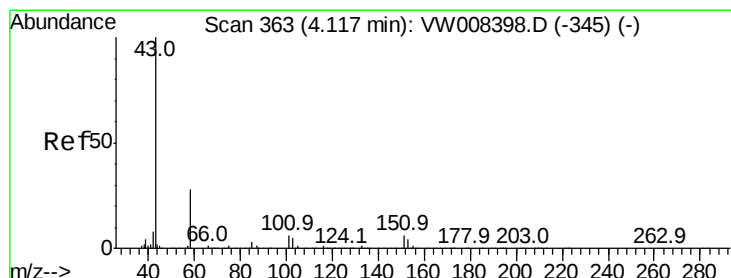
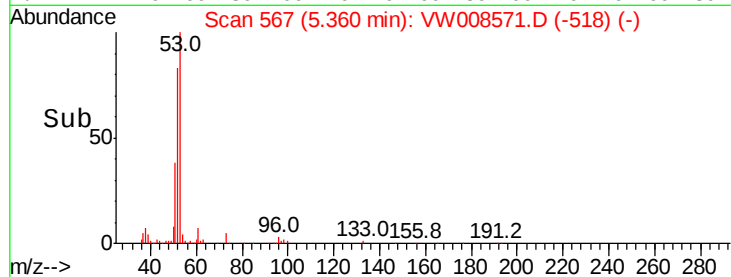
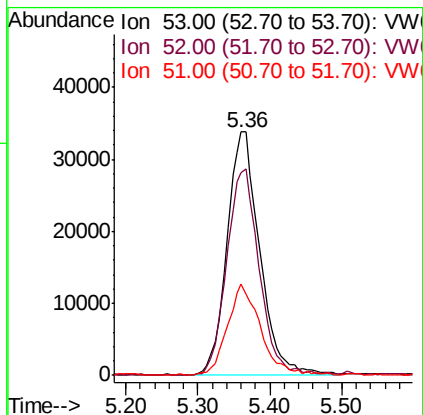
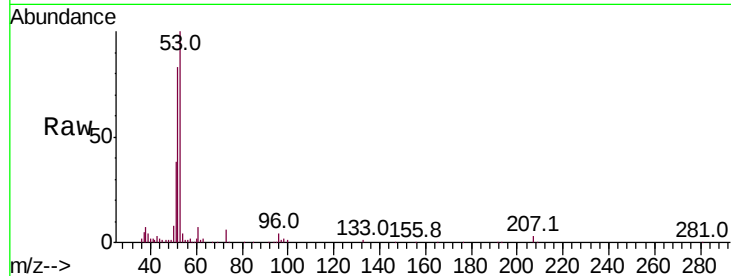
Tot Ion: 53 Resp: 107141

Ion Ratio Lower Upper

53 100

52 84.0 67.0 100.4

51 37.5 29.8 44.8



#16

Acetone

Concen: 99.075 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008571.D

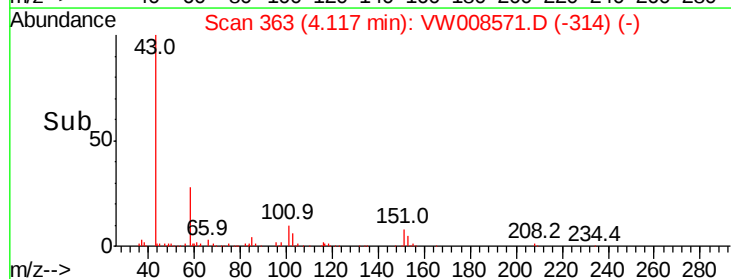
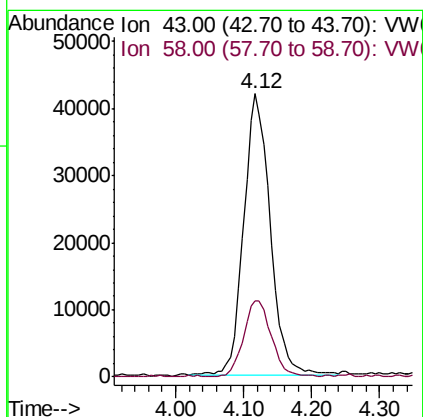
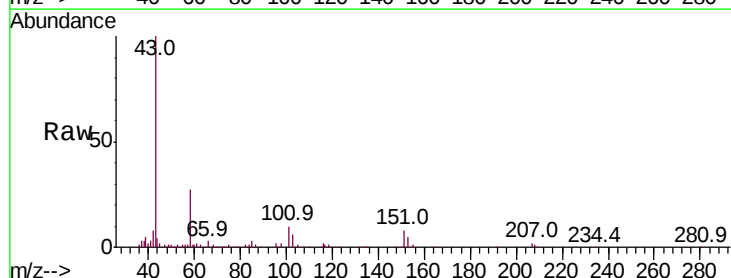
Acq: 08 Feb 2019 13:55

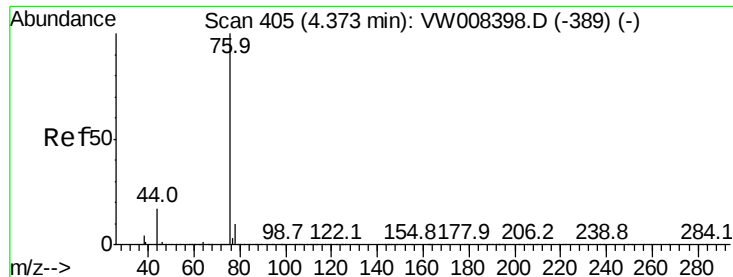
Tgt Ion: 43 Resp: 114764

Ion Ratio Lower Upper

43 100

58 26.7 22.6 34.0

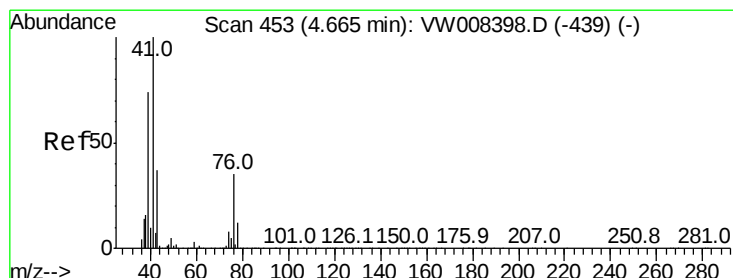
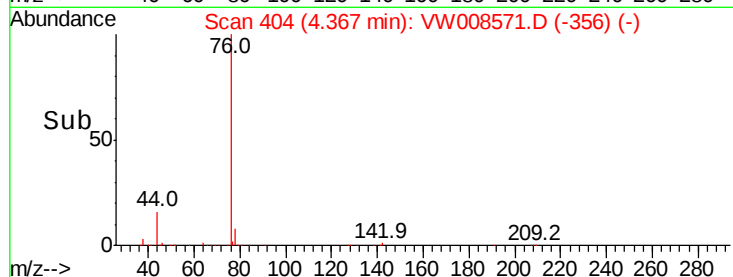
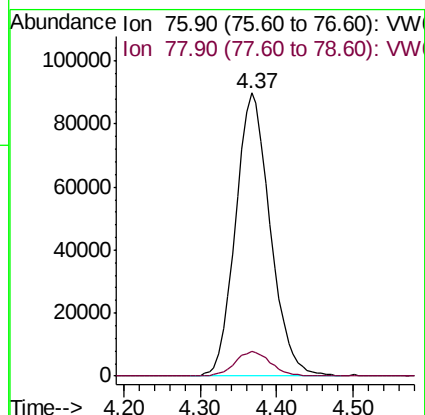
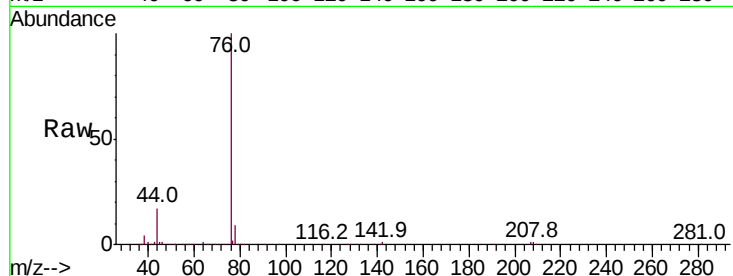




#17
Carbon Disulfide
Concen: 18.402 ug/l
RT: 4.37 min Scan# 404
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

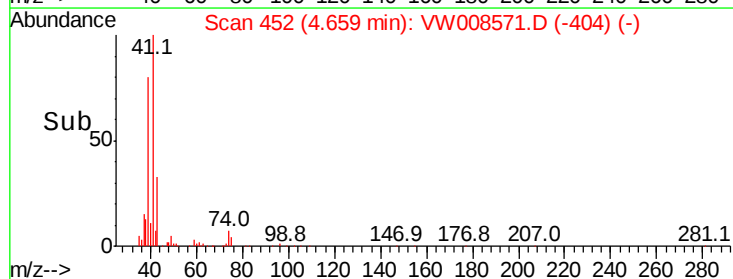
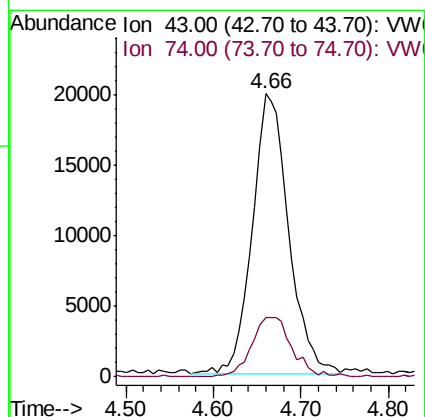
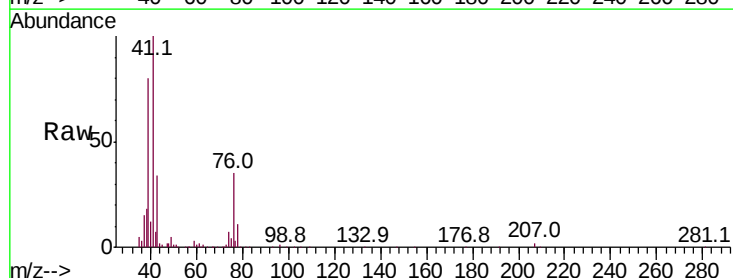
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

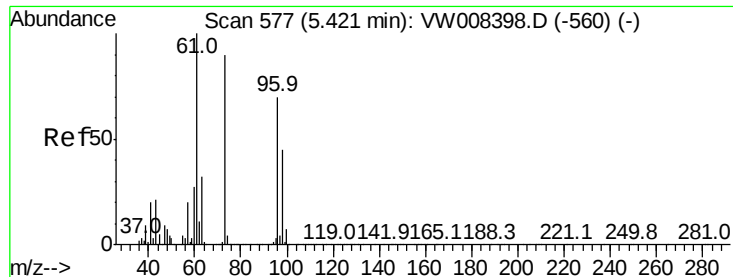
Tot Ion: 76 Resp: 282454
Ion Ratio Lower Upper
76 100
78 8.7 7.7 11.5



#18
Methyl Acetate
Concen: 18.508 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion: 43 Resp: 57182
Ion Ratio Lower Upper
43 100
74 23.8 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 20.712 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

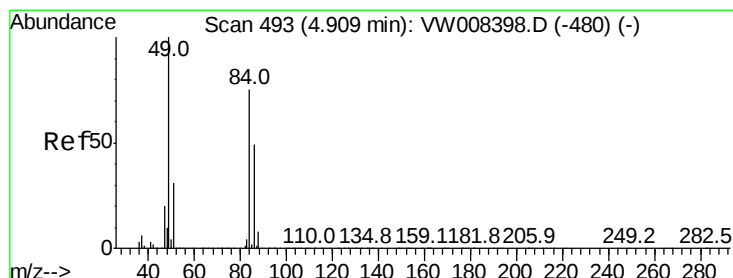
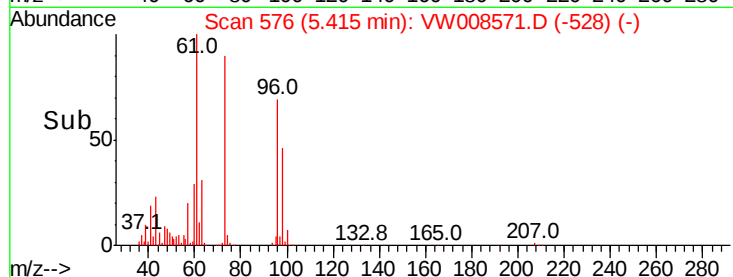
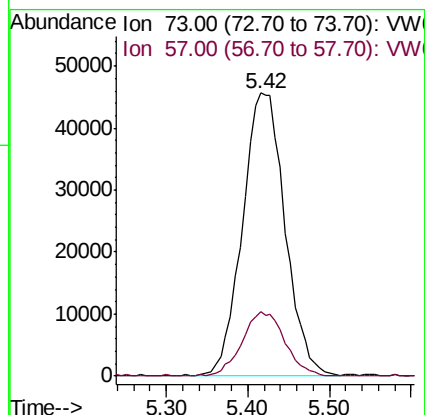
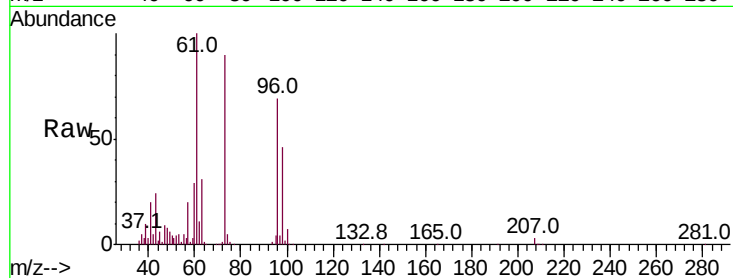
Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

Tot Ion: 73 Resp: 164695

Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.0	27.0



#20

Methylene Chloride

Concen: 20.741 ug/l

RT: 4.90 min Scan# 492

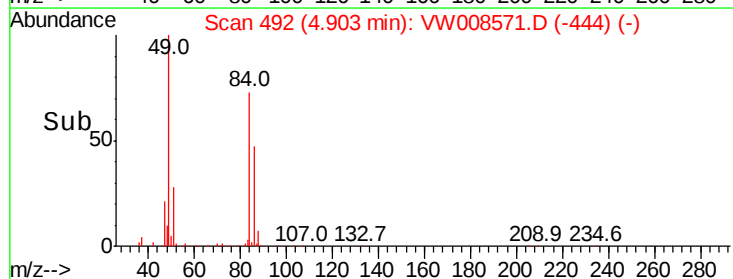
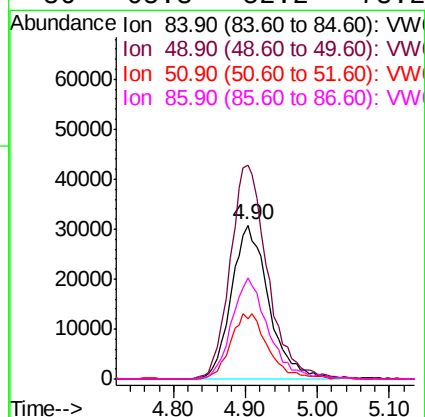
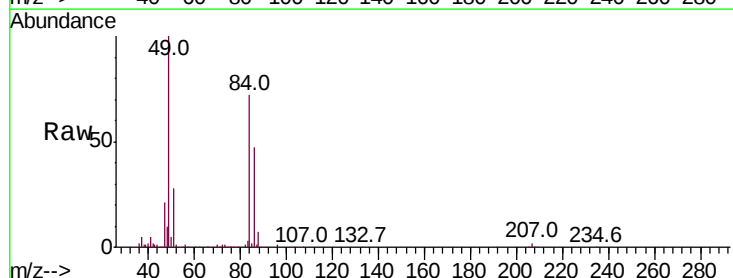
Delta R.T. -0.01 min

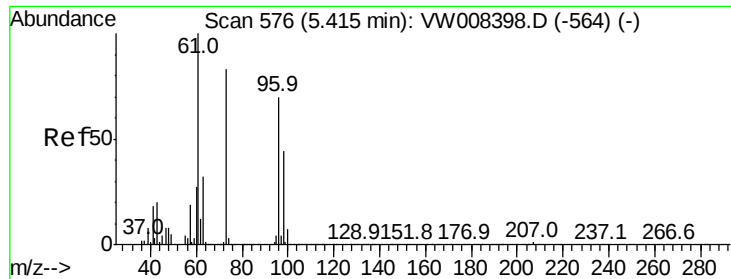
Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Tgt Ion: 84 Resp: 110736

Ion	Ratio	Lower	Upper
84	100		
49	138.6	106.8	160.2
51	39.0	32.9	49.3
86	65.3	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 19.590 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

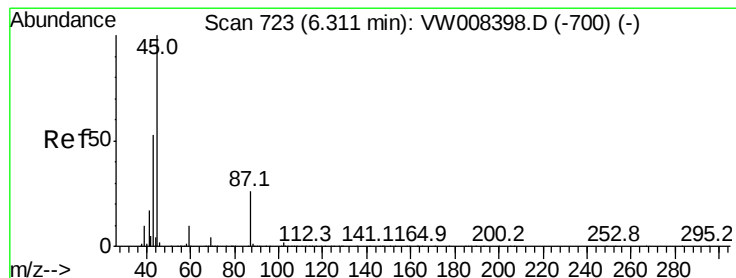
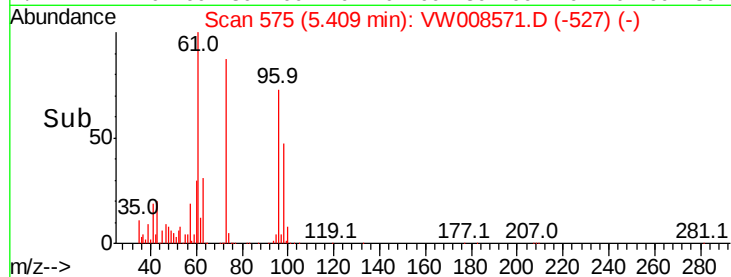
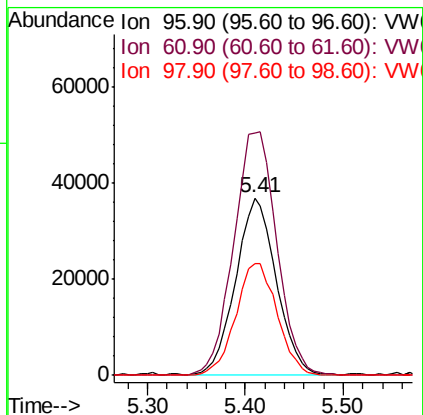
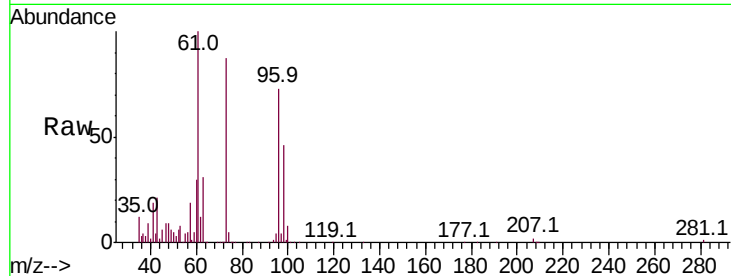
Tot Ion: 96 Resp: 105845

Ion Ratio Lower Upper

96 100

61 136.6 114.4 171.6

98 63.3 50.6 75.8



#22

Diisopropyl ether

Concen: 20.122 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Tgt Ion: 45 Resp: 348028

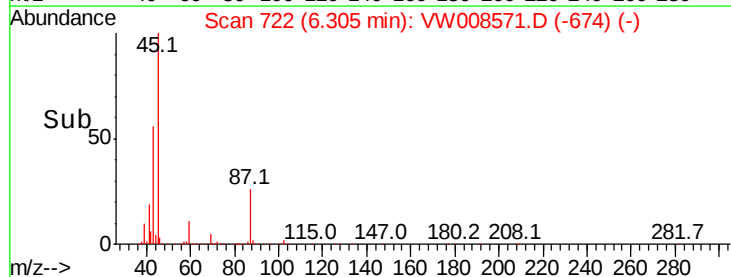
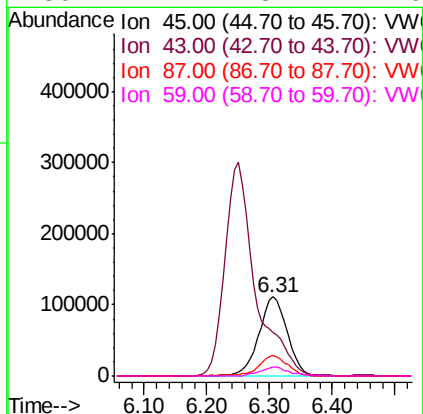
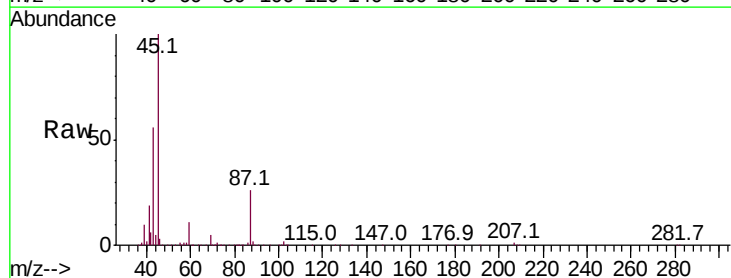
Ion Ratio Lower Upper

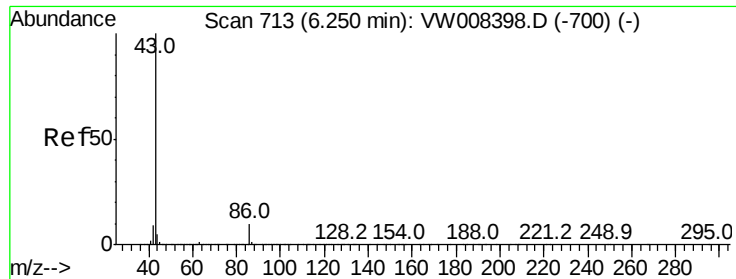
45 100

43 55.5 42.6 63.8

87 25.6 20.3 30.5

59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 98.673 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

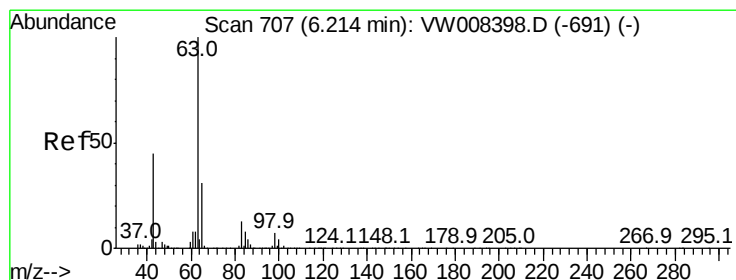
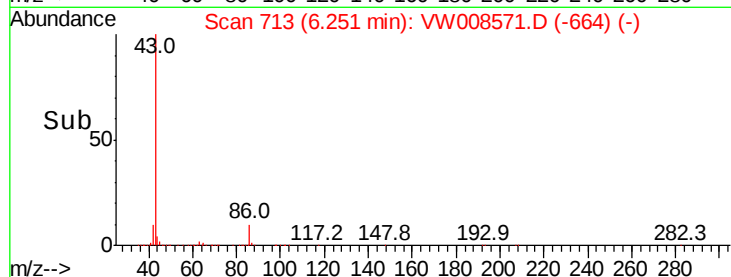
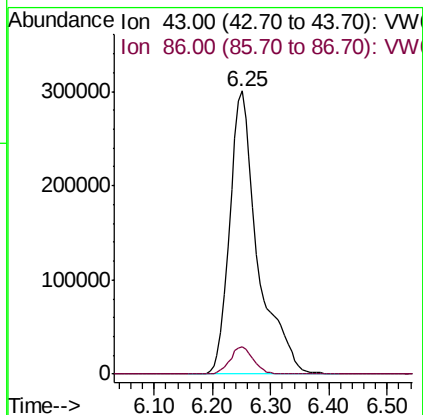
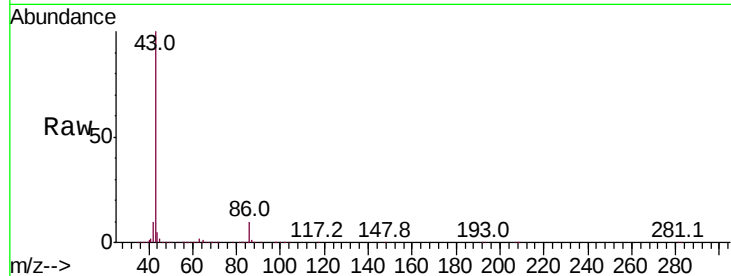
VW0208SBS01

Tot Ion: 43 Resp: 1007735

Ion Ratio Lower Upper

43 100

86 9.6 7.8 11.8



#24

1,1-Dichloroethane

Concen: 19.945 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

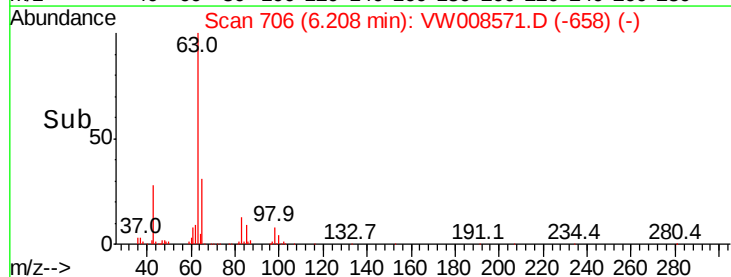
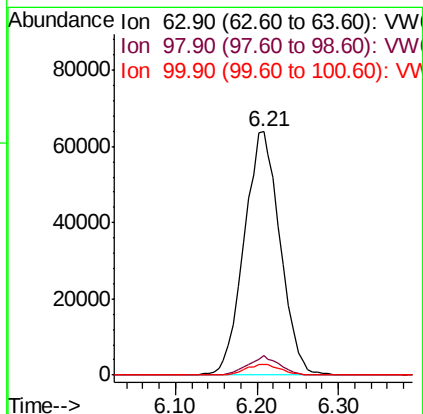
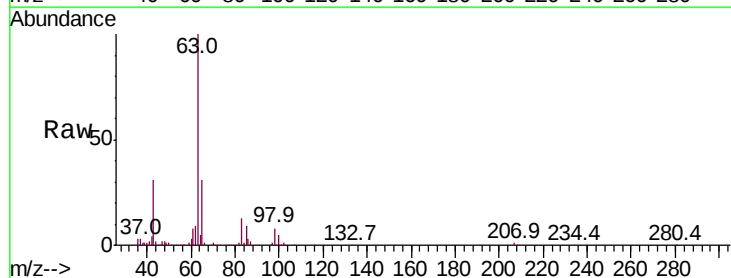
Tgt Ion: 63 Resp: 195268

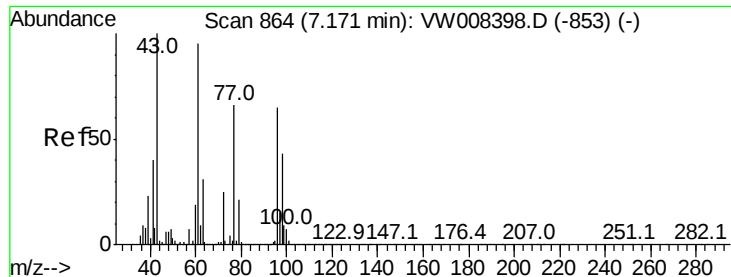
Ion Ratio Lower Upper

63 100

98 8.1 3.5 10.5

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 94.058 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

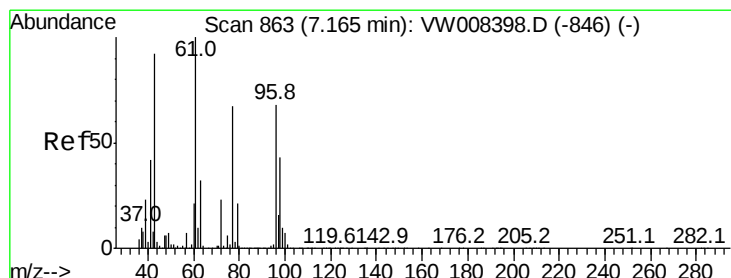
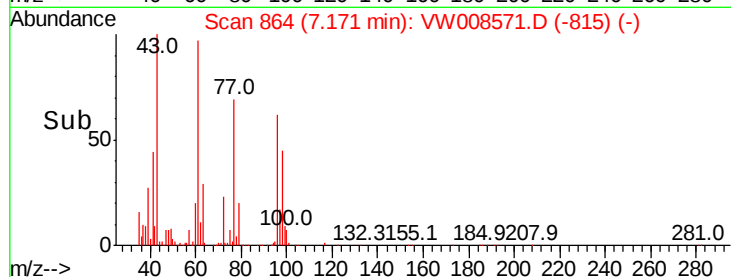
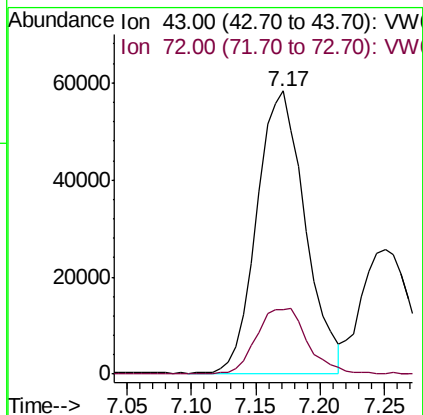
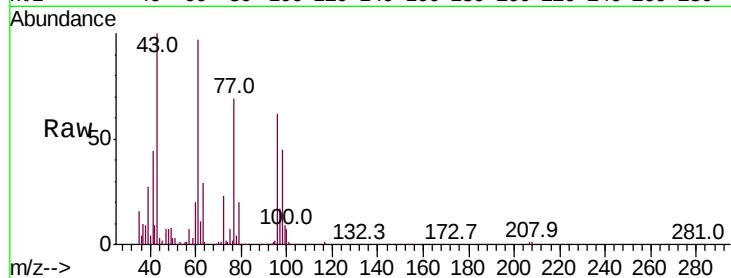
VW0208SBS01

Tot Ion: 43 Resp: 151333

Ion Ratio Lower Upper

43 100

72 23.1 20.1 30.1



#26

2,2-Dichloropropane

Concen: 20.959 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008571.D

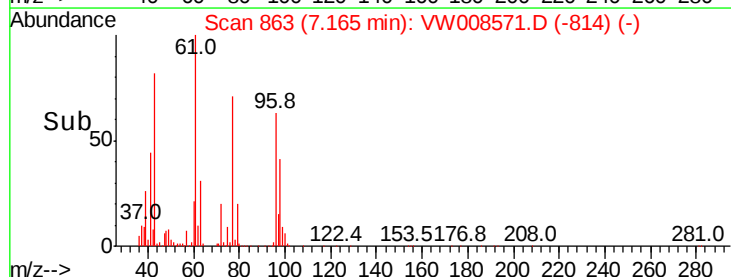
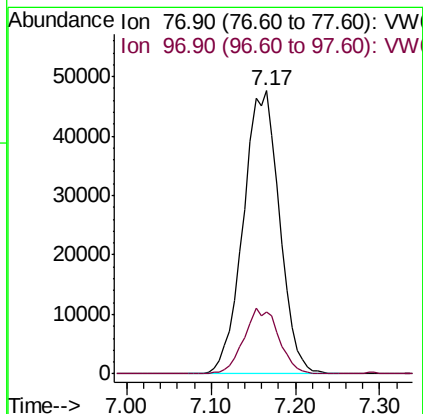
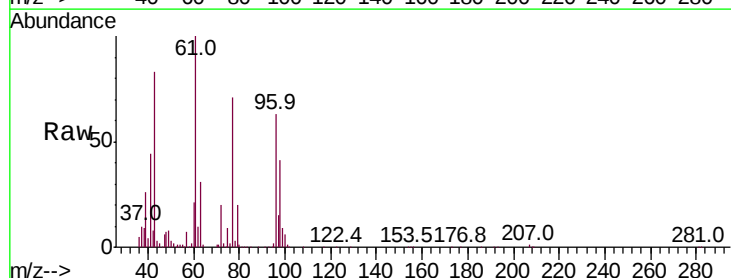
Acq: 08 Feb 2019 13:55

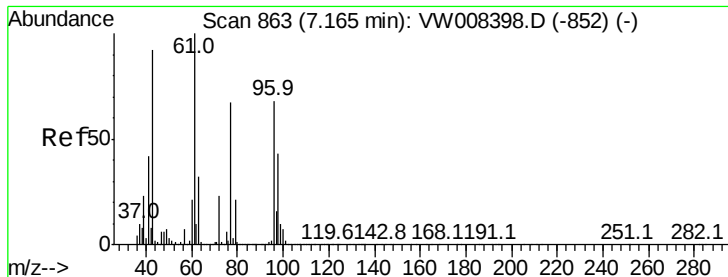
Tgt Ion: 77 Resp: 138696

Ion Ratio Lower Upper

77 100

97 22.3 11.5 34.5



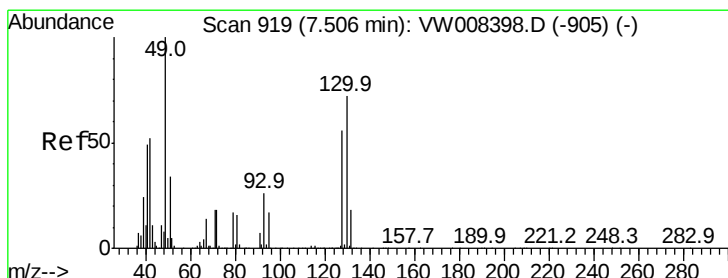
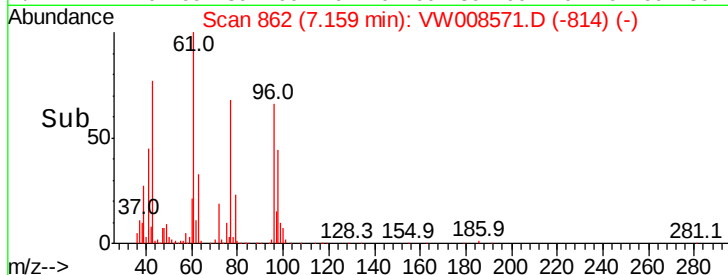
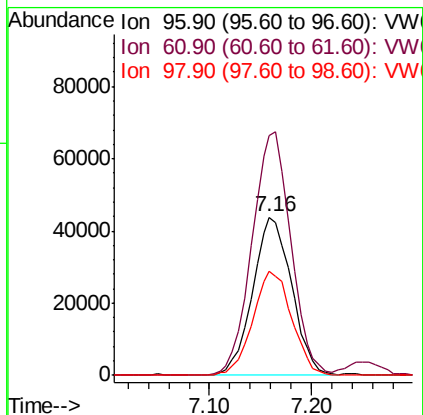
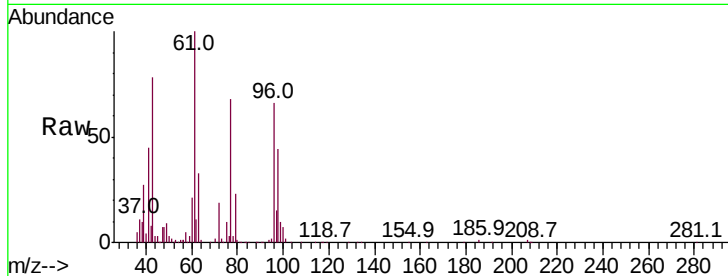


#27

cis-1,2-Dichloroethene
 Concen: 19.628 ug/l
 RT: 7.16 min Scan# 862
 Delta R.T. -0.01 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

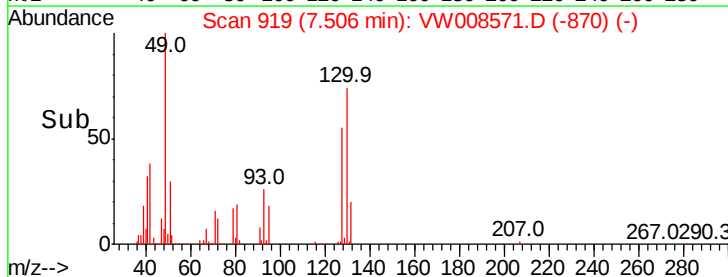
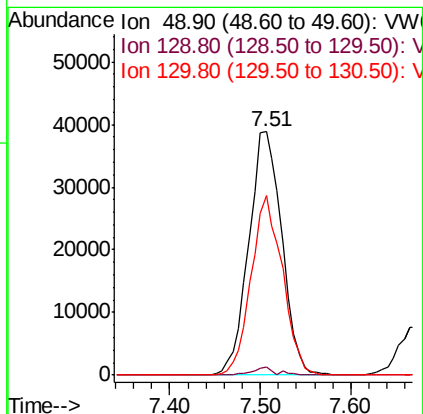
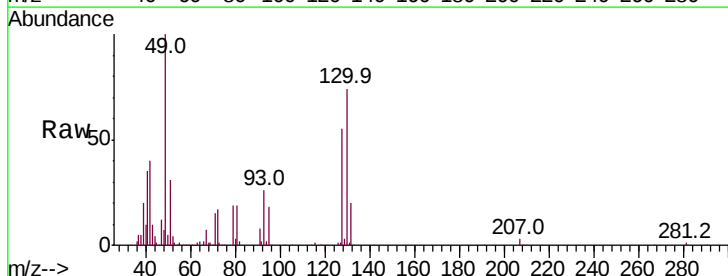
Tot Ion	Ratio	Lower	Upper
96	100		
61	154.3	0.0	292.8
98	66.5	0.0	129.2

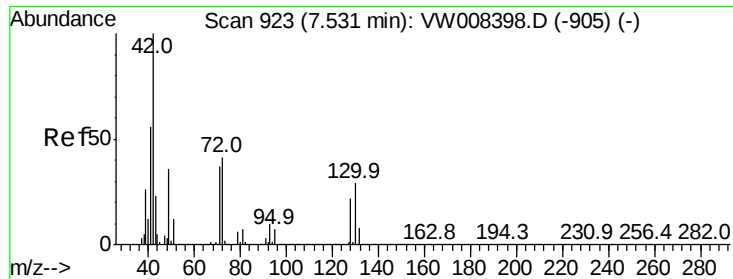


#28

Bromochloromethane
 Concen: 21.835 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	69.8	58.6	87.8





#29

Tetrahydrofuran

Concen: 93.750 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

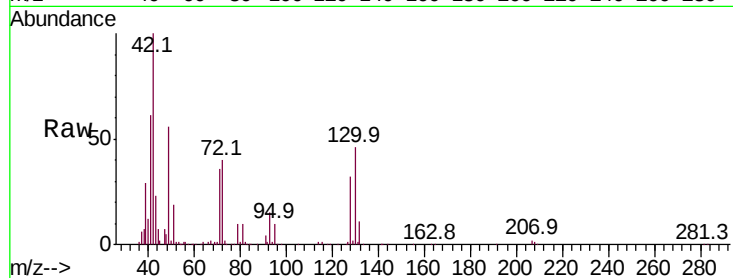
Tot Ion: 42 Resp: 95585

Ion Ratio Lower Upper

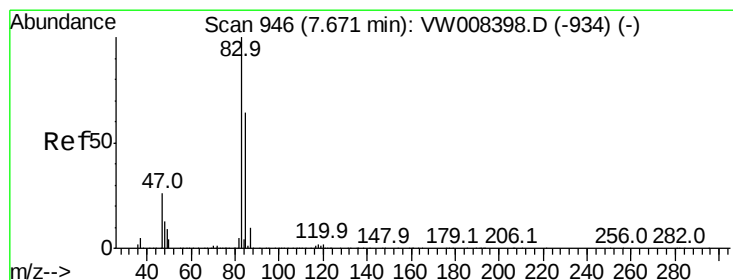
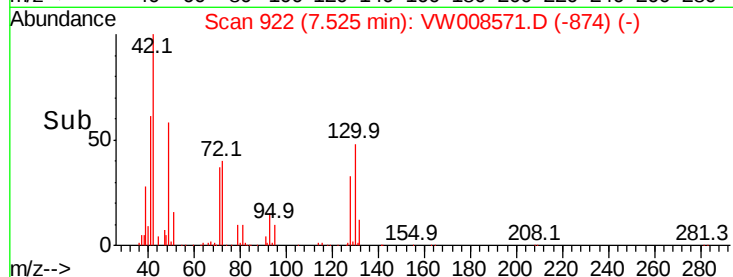
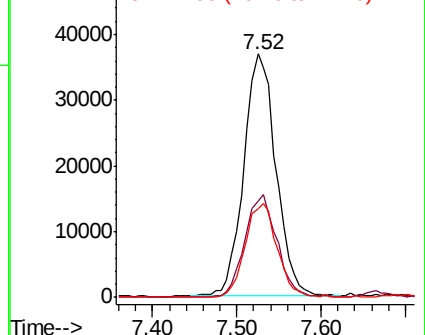
42 100

72 42.0 31.9 47.9

71 38.4 29.9 44.9



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: 20.631 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008571.D

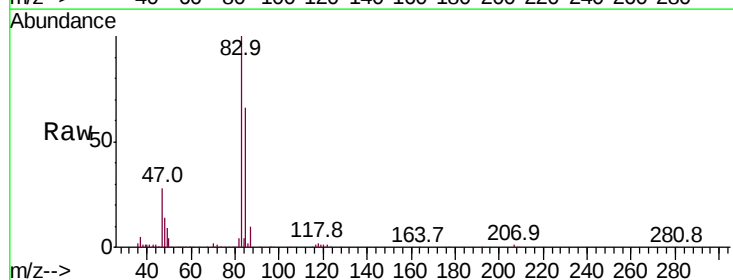
Acq: 08 Feb 2019 13:55

Tgt Ion: 83 Resp: 198673

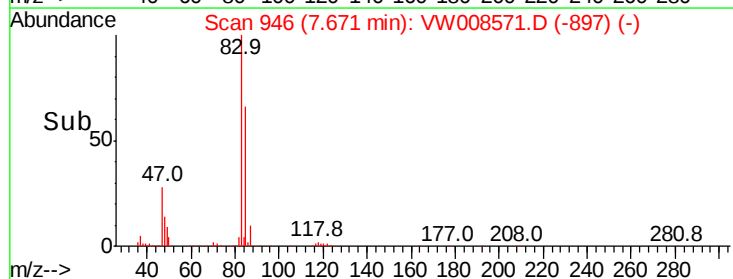
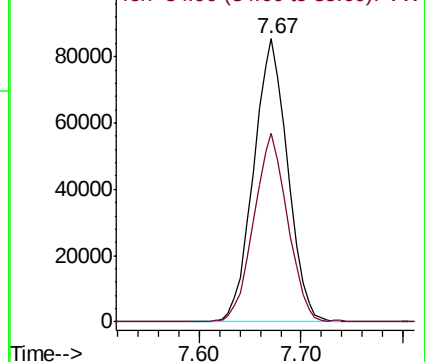
Ion Ratio Lower Upper

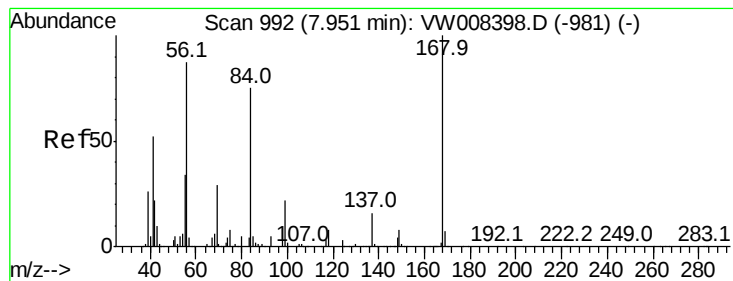
83 100

85 66.4 50.9 76.3



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





#31

Cvclohexane

Concen: 19.596 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

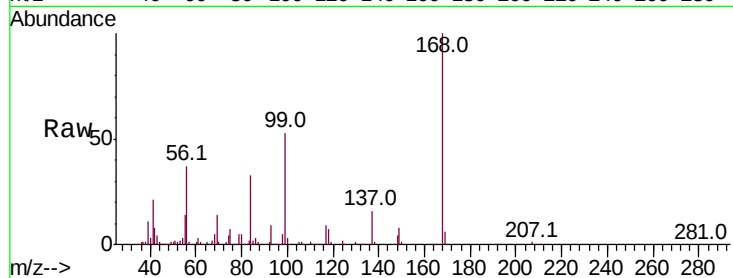
Tot Ion: 56 Resp: 198379

Ion Ratio Lower Upper

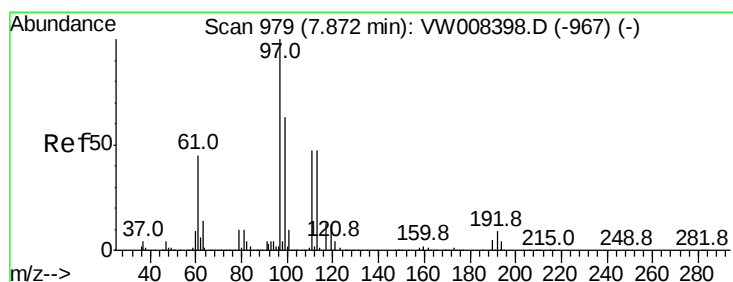
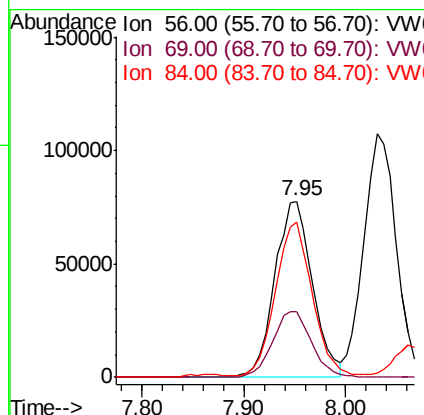
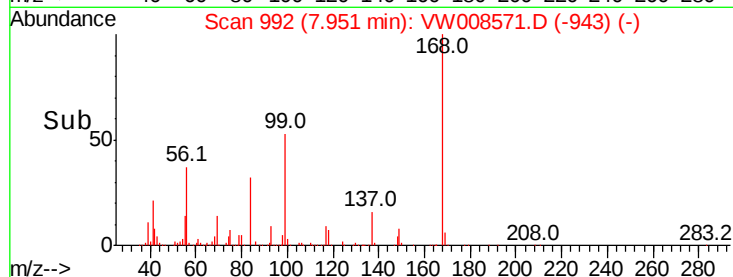
56 100

69 37.2 26.4 39.6

84 86.8 69.1 103.7



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: 20.995 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

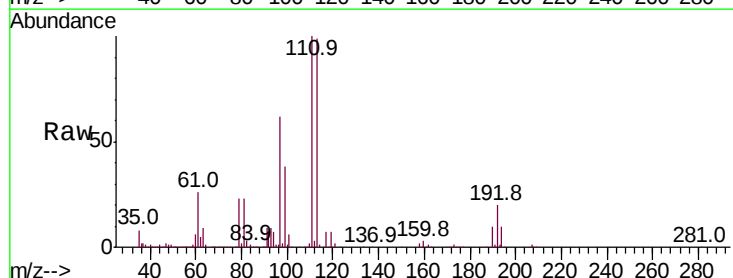
Tgt Ion: 97 Resp: 174626

Ion Ratio Lower Upper

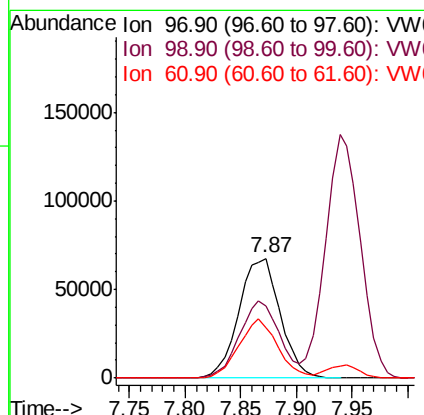
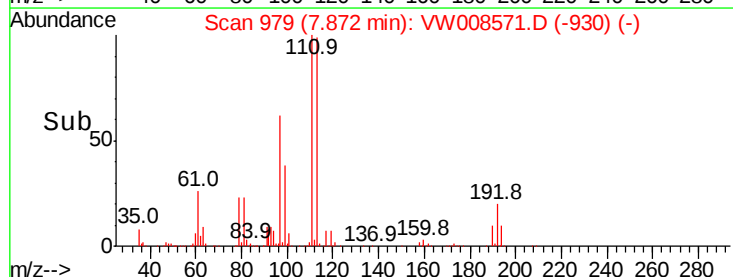
97 100

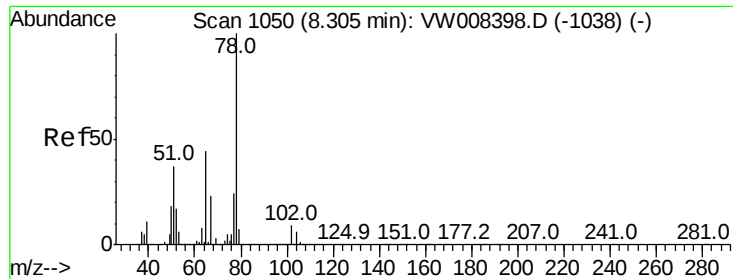
99 62.8 51.3 76.9

61 46.3 36.2 54.4



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: 59.209 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

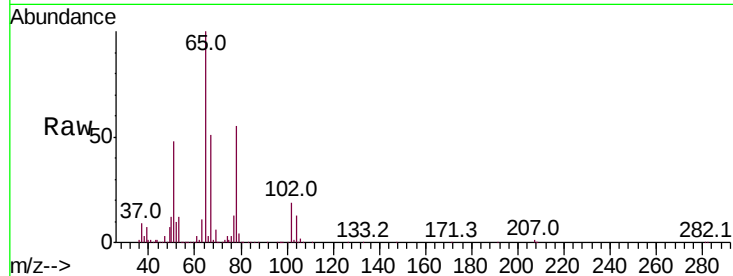
VW0208SBS01

Tot Ion: 65 Resp: 305414

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.30

150000

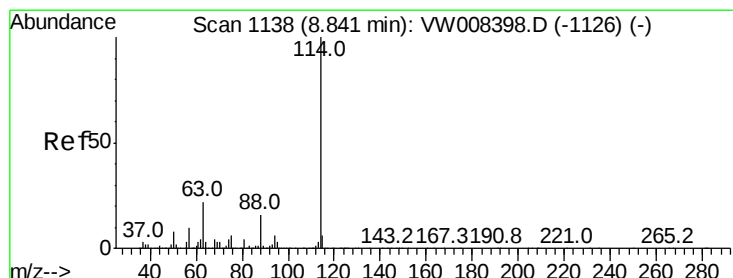
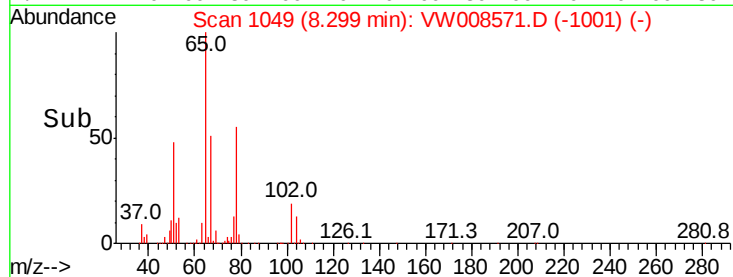
100000

50000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

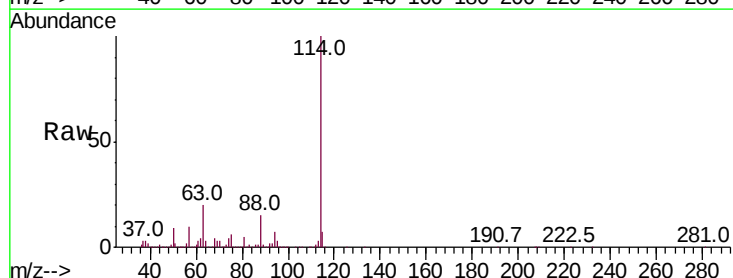
Tgt Ion: 114 Resp: 837911

Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.6

88 15.5 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.84

500000

400000

300000

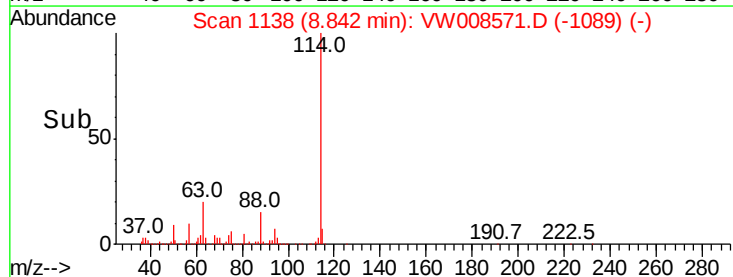
200000

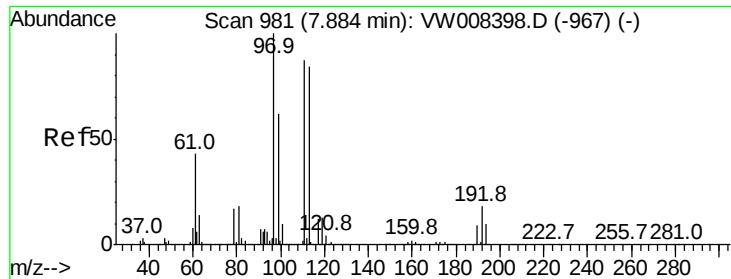
100000

0

8.75 8.80 8.85 8.90 8.95

Time-->

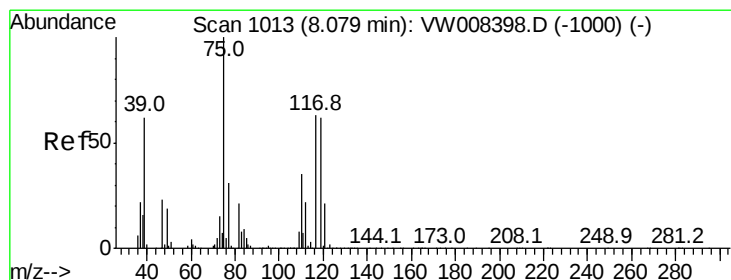
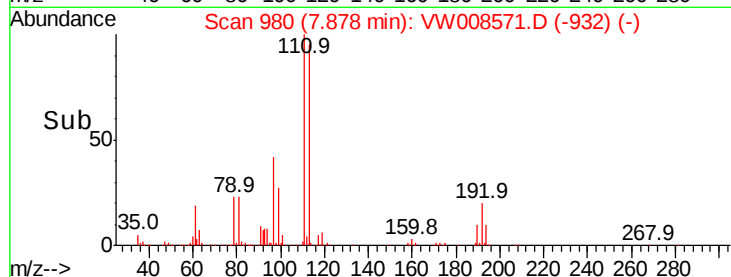
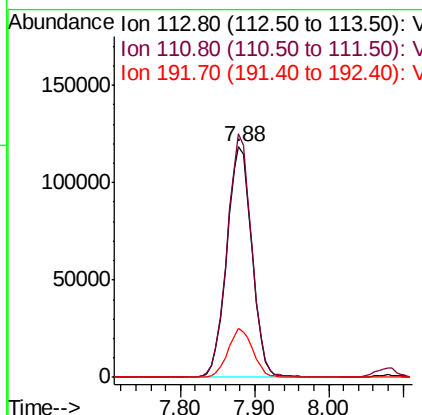
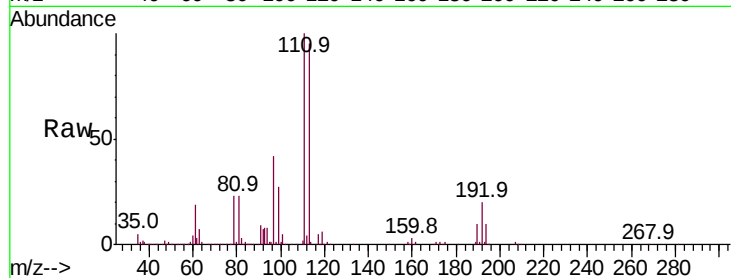




#35
Dibromofluoromethane
Concen: 57.032 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

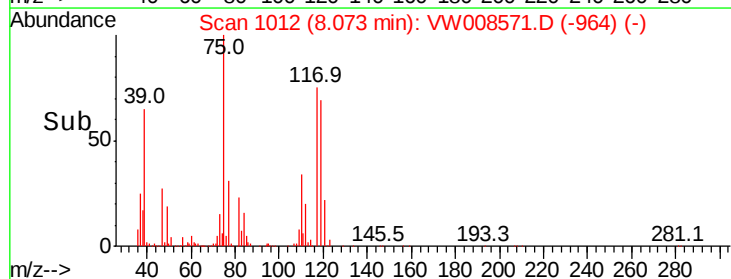
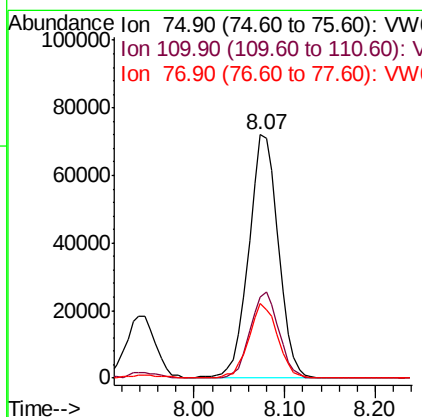
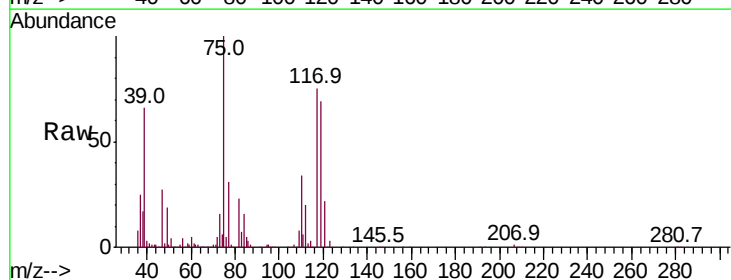
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

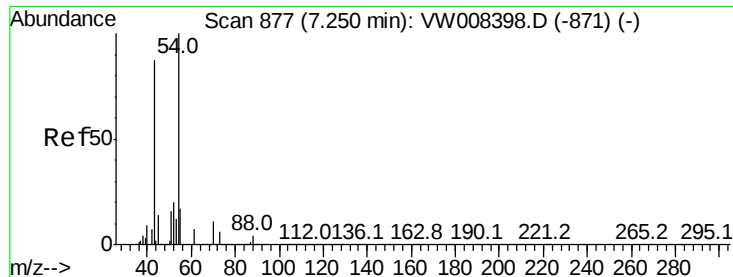
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.0	121.4
192	21.0	16.8	25.2



#36
1,1-Dichloropropene
Concen: 20.520 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.3	52.0
77	30.3	24.7	37.1

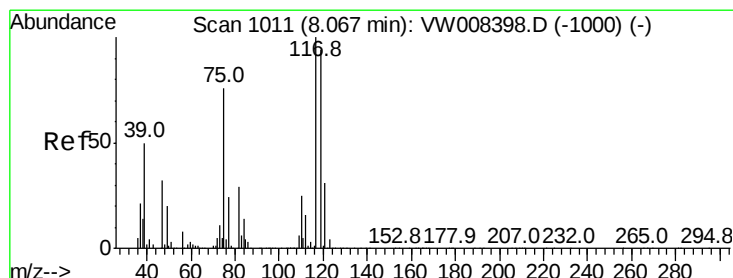
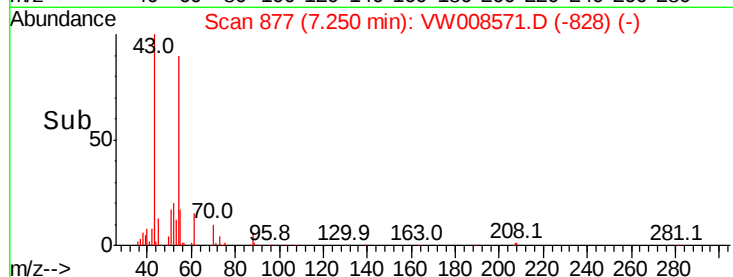
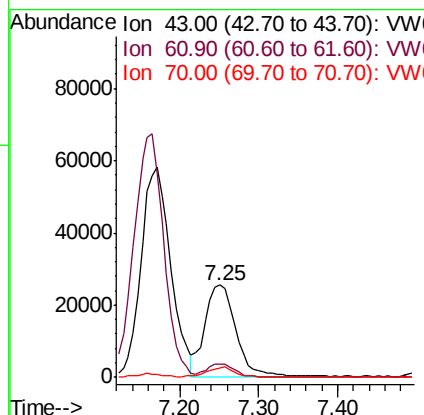
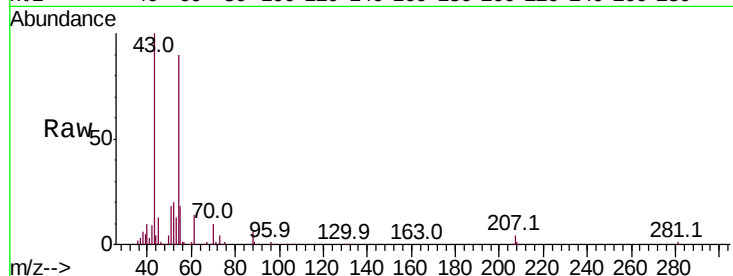




#37
Ethyl Acetate
Concen: 19.929 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

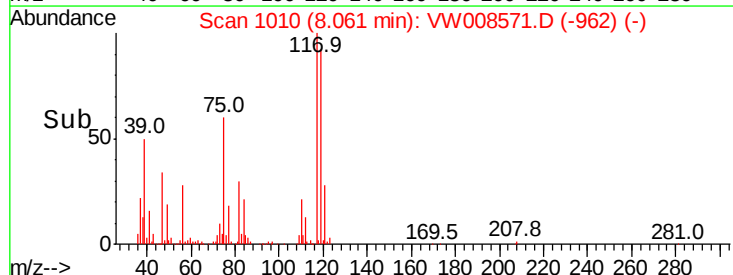
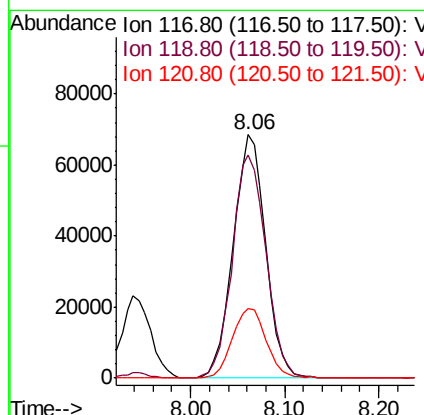
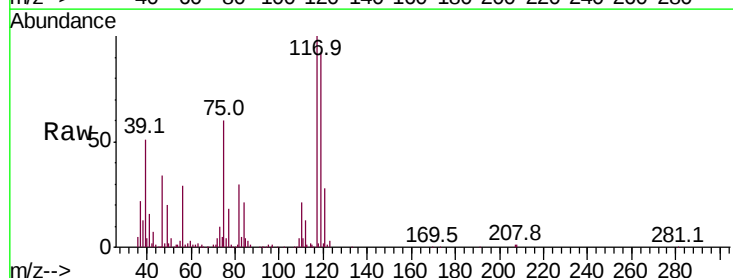
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

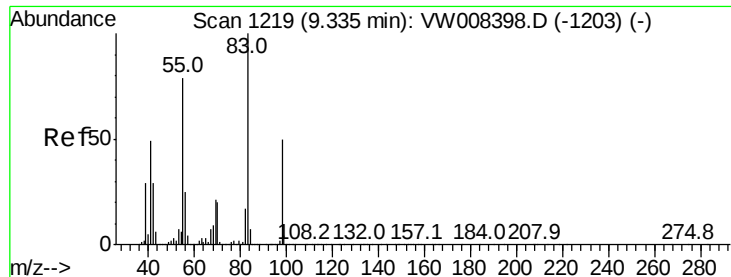
Tot Ion: 43 Resp: 69788
Ion Ratio Lower Upper
43 100
61 13.9 10.1 15.1
70 10.3 7.8 11.6



#38
Carbon Tetrachloride
Concen: 20.625 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion: 117 Resp: 164277
Ion Ratio Lower Upper
117 100
119 91.6 75.0 112.4
121 28.4 24.9 37.3

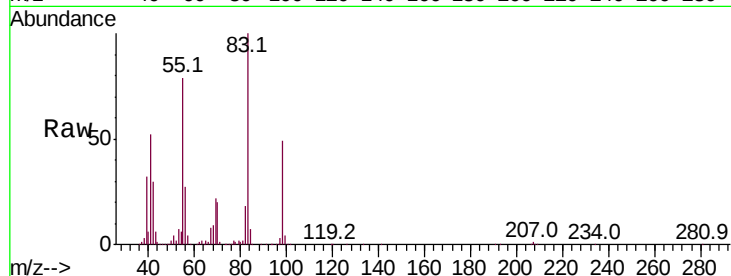




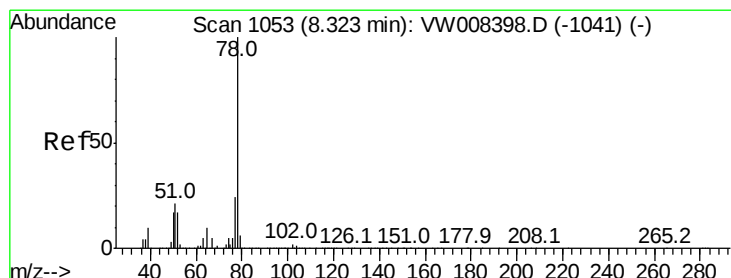
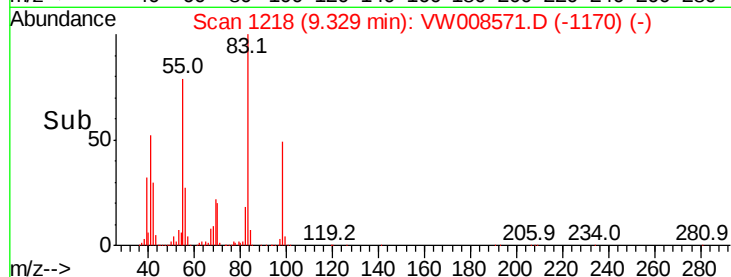
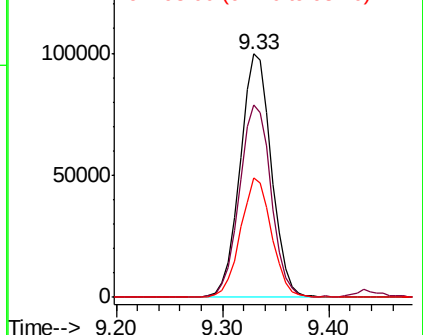
#39
Methvlcvclohexane
Concen: 19.823 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

Tot Ion: 83 Resp: 206116
Ion Ratio Lower Upper
83 100
55 78.9 63.3 94.9
98 49.0 39.7 59.5

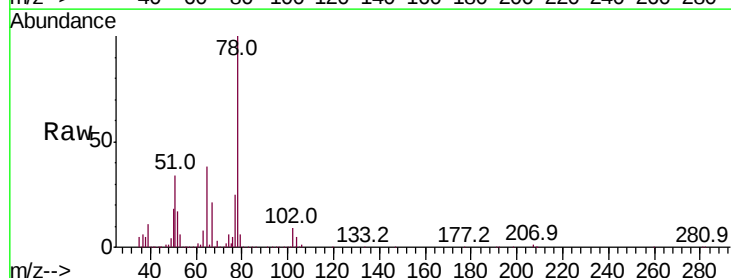


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

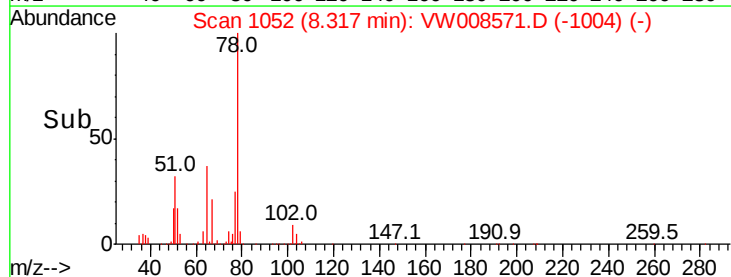
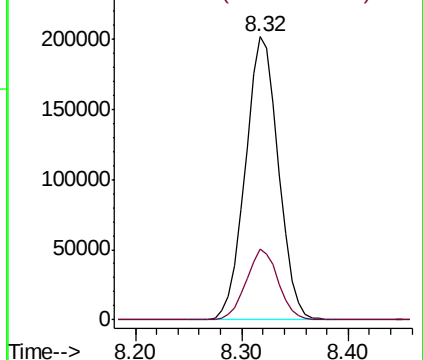


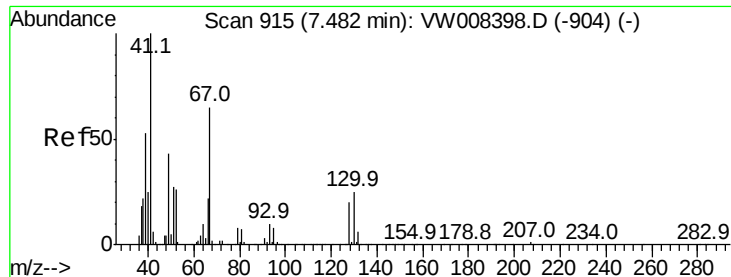
#40
Benzene
Concen: 19.967 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion: 78 Resp: 438534
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.6



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





#41

Methacrylonitrile

Concen: 16.712 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

Tot Ion: 41 Resp: 34652

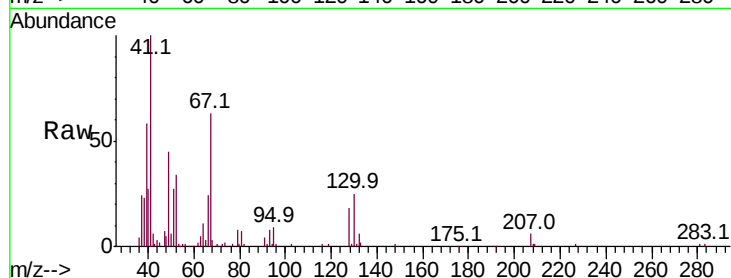
Ion Ratio Lower Upper

41 100

39 68.1 43.4 65.0#

67 79.6 54.2 81.2

52 36.6 22.9 34.3#

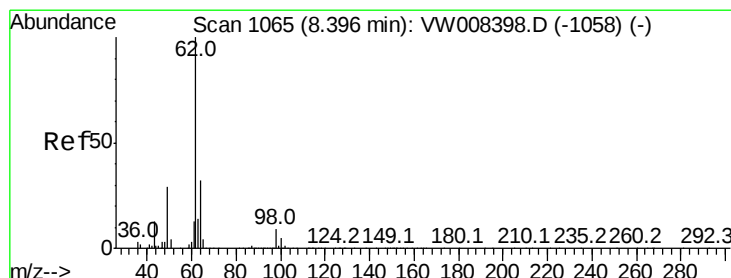
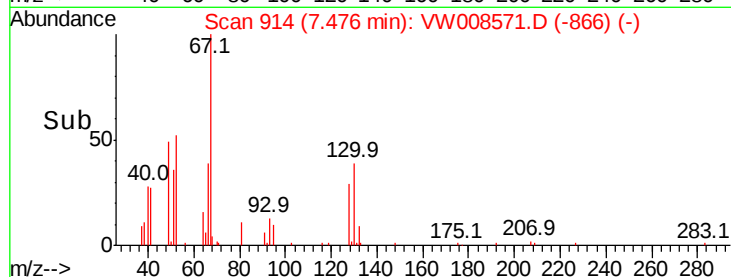
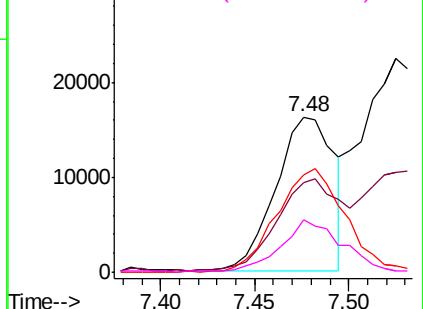


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.048 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW008571.D

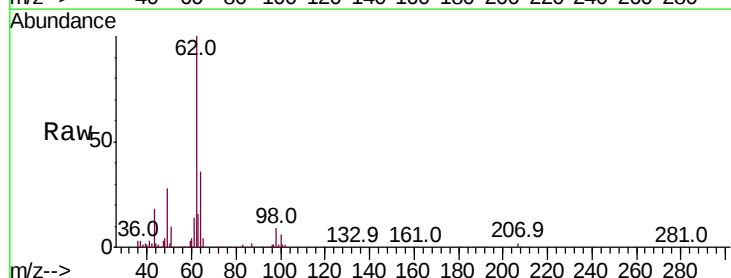
Acq: 08 Feb 2019 13:55

Tgt Ion: 62 Resp: 133965

Ion Ratio Lower Upper

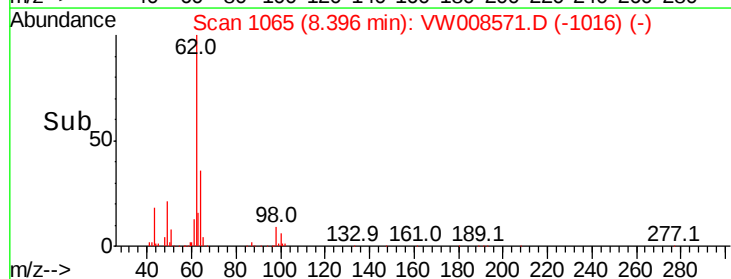
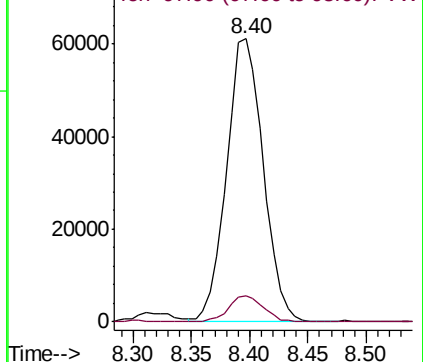
62 100

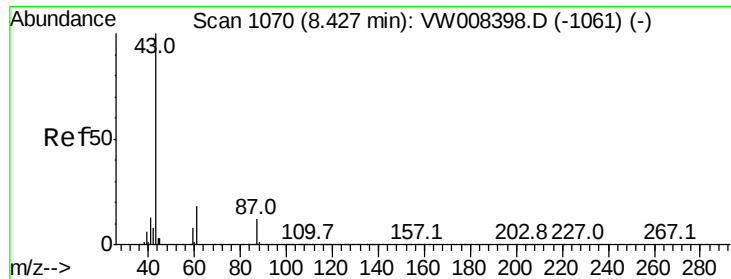
98 8.8 0.0 18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 19.576 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

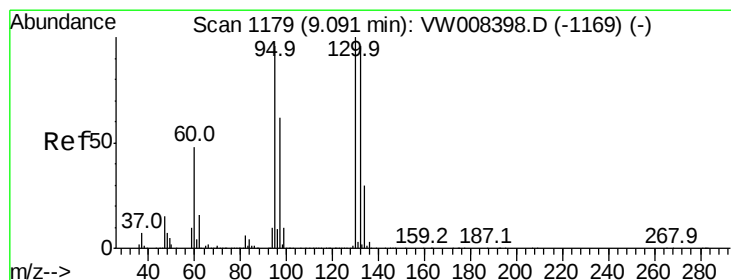
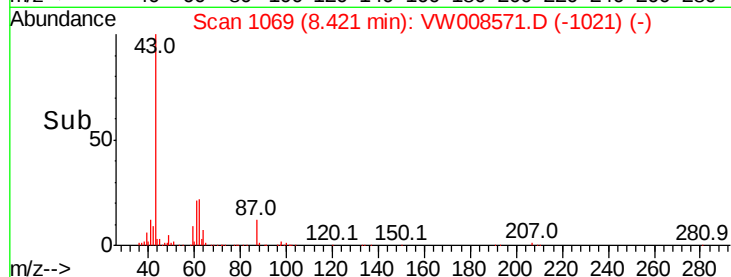
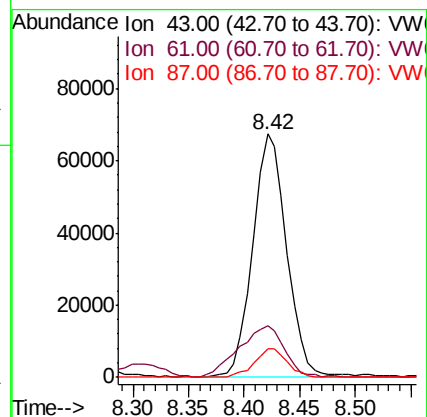
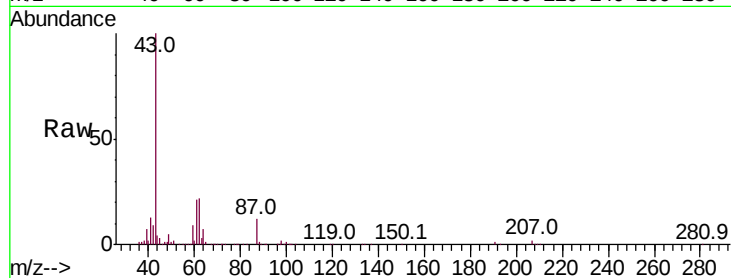
Tot Ion: 43 Resp: 142417

Ion Ratio Lower Upper

43 100

61 28.7 22.0 33.0

87 11.6 9.3 13.9



#44

Trichloroethene

Concen: 19.937 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008571.D

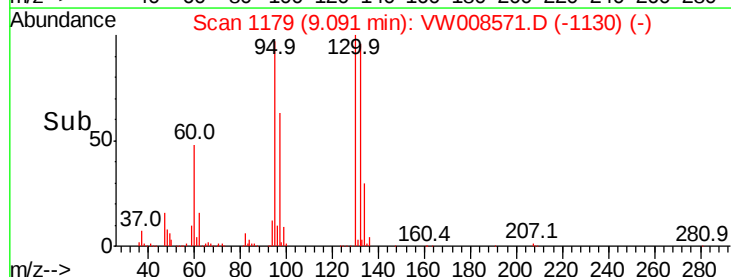
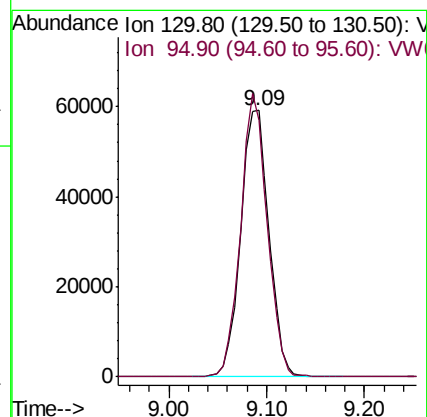
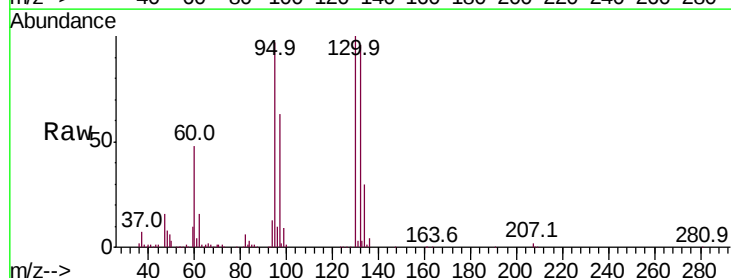
Acq: 08 Feb 2019 13:55

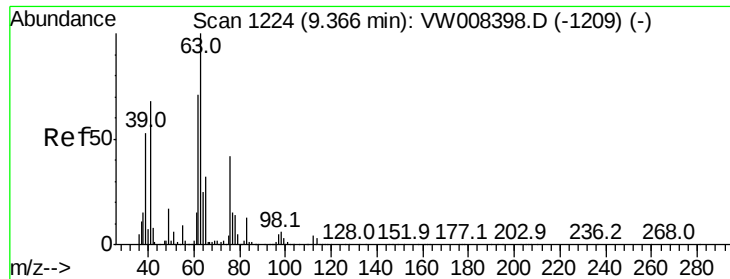
Tgt Ion:130 Resp: 119072

Ion Ratio Lower Upper

130 100

95 96.5 0.0 191.6





#45

1,2-Dichloropropane

Concen: 20.319 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

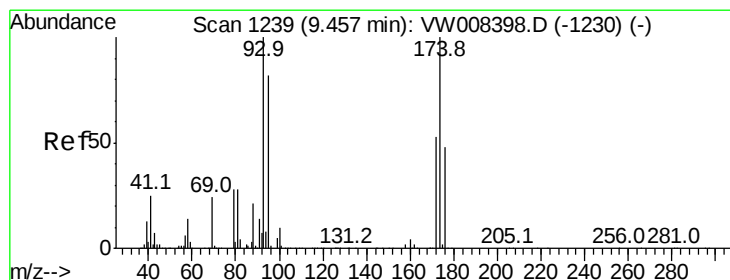
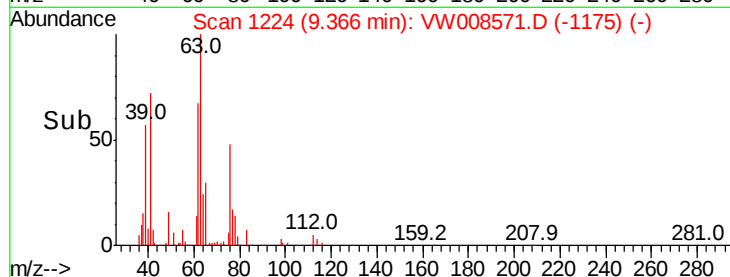
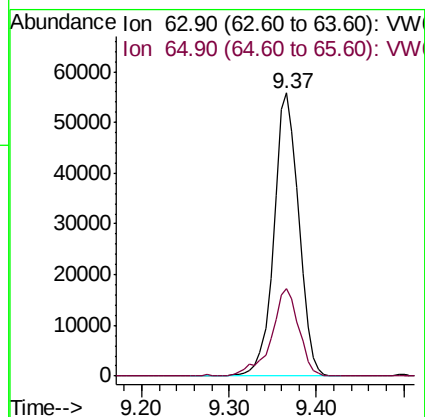
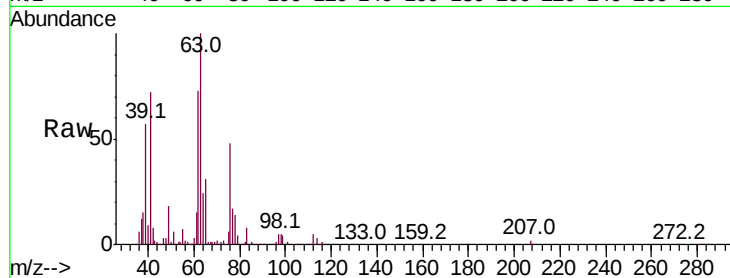
VW0208SBS01

Tot Ion: 63 Resp: 111273

Ion Ratio Lower Upper

63 100

65 30.8 25.2 37.8



#46

Dibromomethane

Concen: 19.100 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

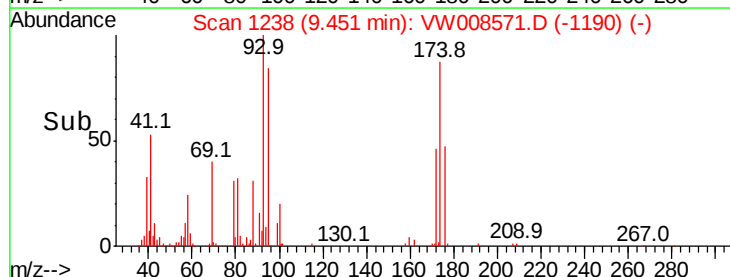
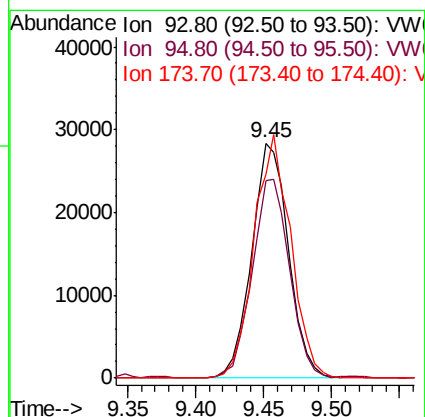
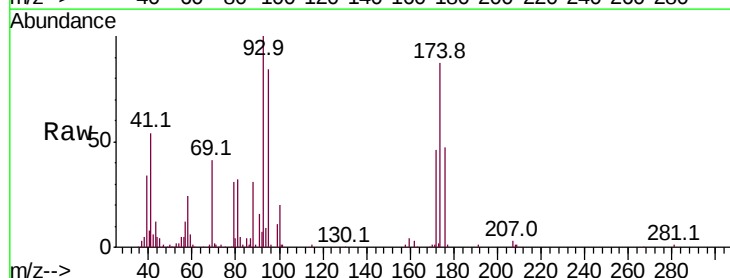
Tgt Ion: 93 Resp: 53798

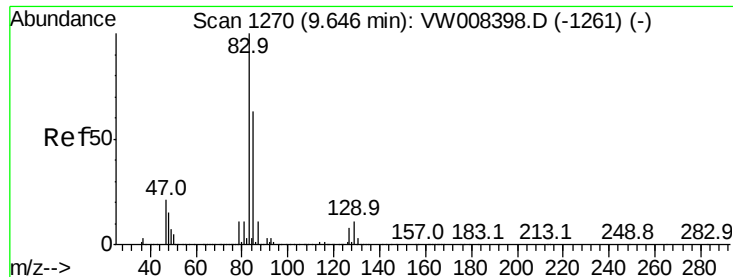
Ion Ratio Lower Upper

93 100

95 86.8 65.9 98.9

174 103.5 81.0 121.6





#47

Bromodichloromethane

Concen: 19.829 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

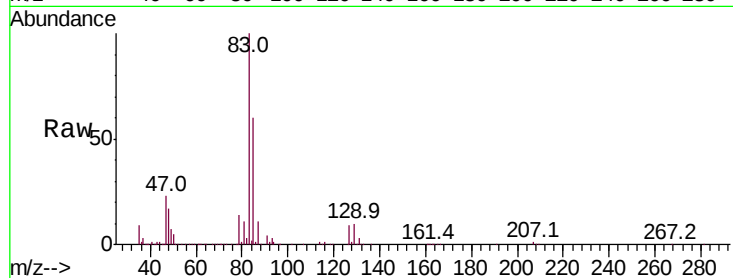
Tot Ion: 83 Resp: 147729

Ion Ratio Lower Upper

83 100

85 60.3 50.8 76.2

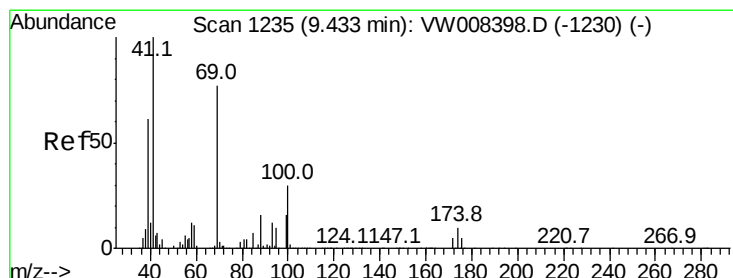
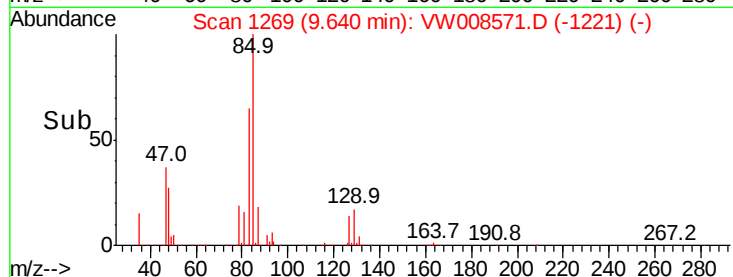
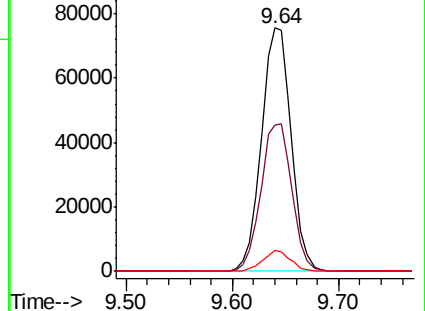
127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.457 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

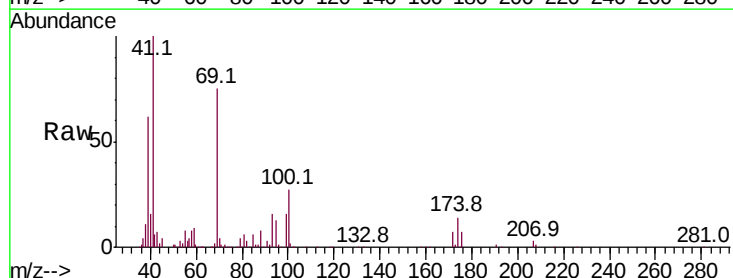
Tgt Ion: 41 Resp: 65658

Ion Ratio Lower Upper

41 100

69 81.3 64.8 97.2

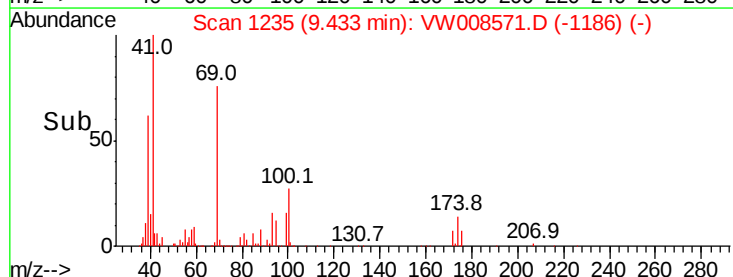
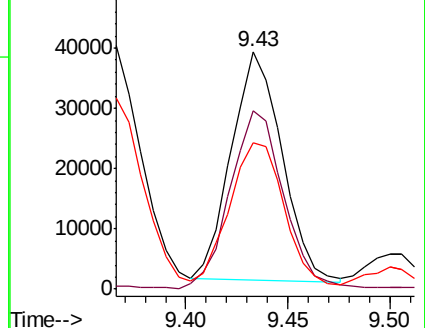
39 65.8 49.1 73.7

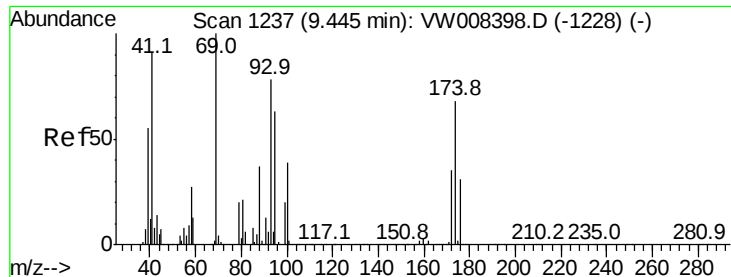


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

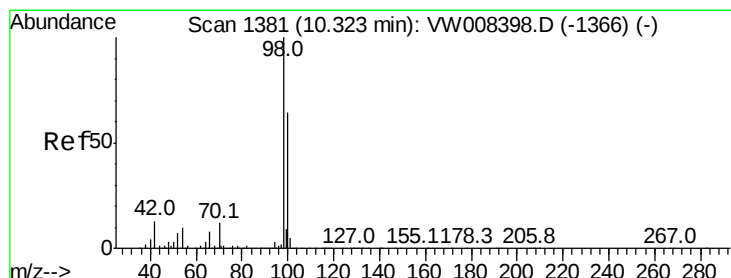
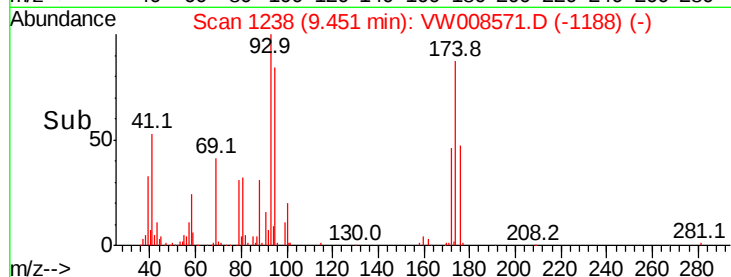
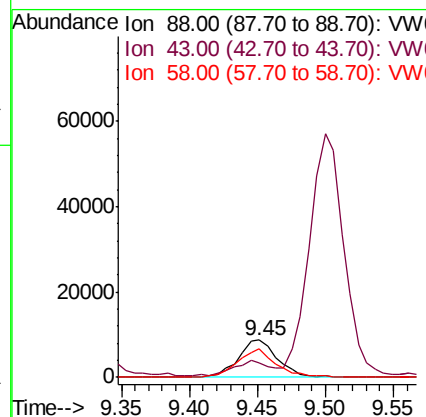
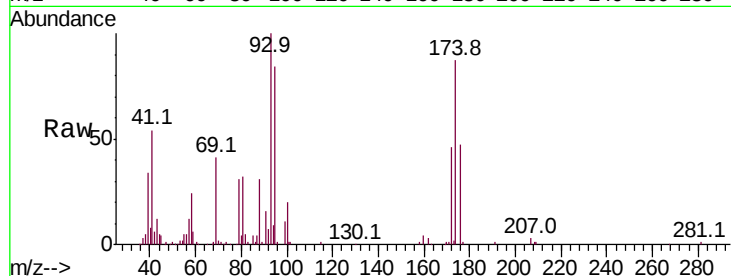




#49
1,4-Dioxane
Concen: 369.378 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

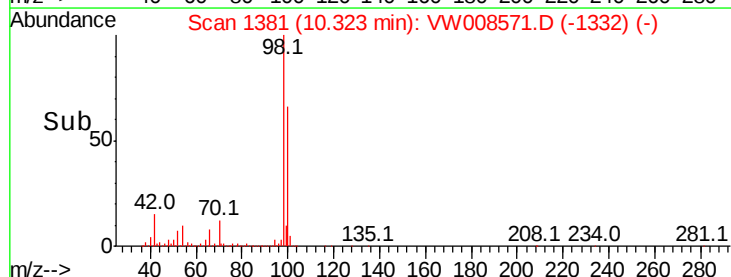
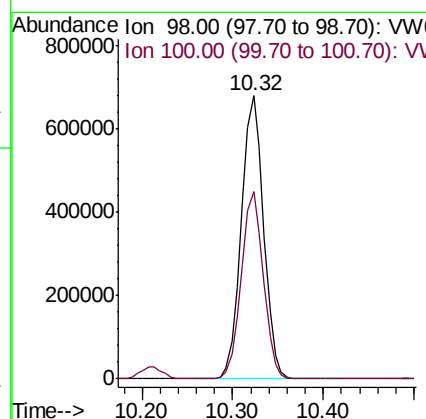
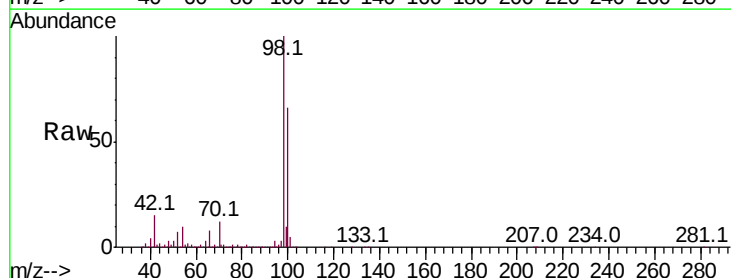
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

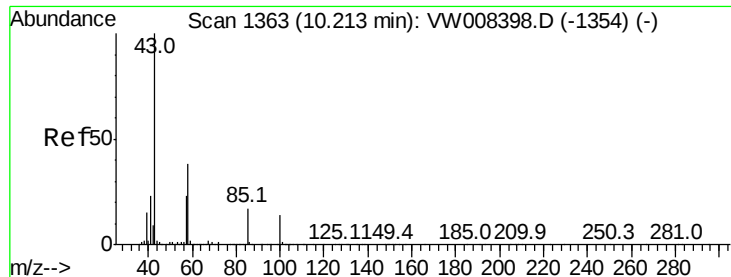
Tot Ion: 88 Resp: 17586
Ion Ratio Lower Upper
88 100
43 36.1 29.0 43.4
58 76.1 56.4 84.6



#50
Toluene-d8
Concen: 59.391 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion: 98 Resp: 1166882
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 98.056 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

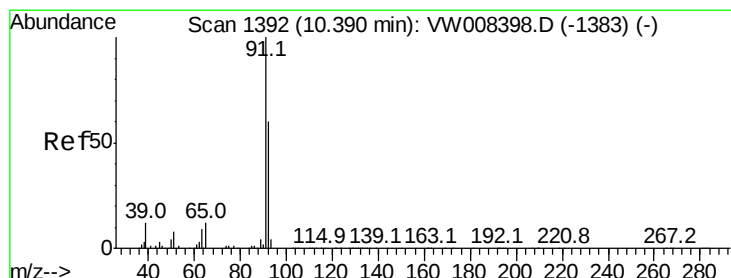
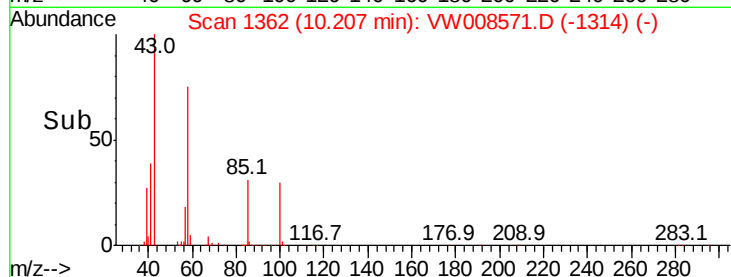
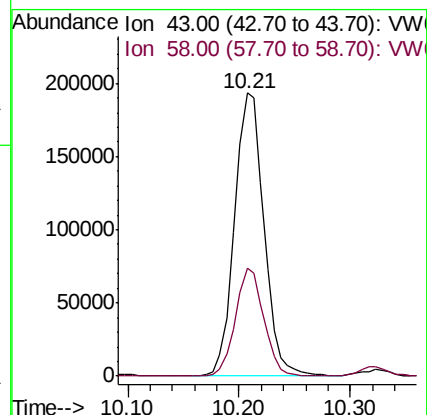
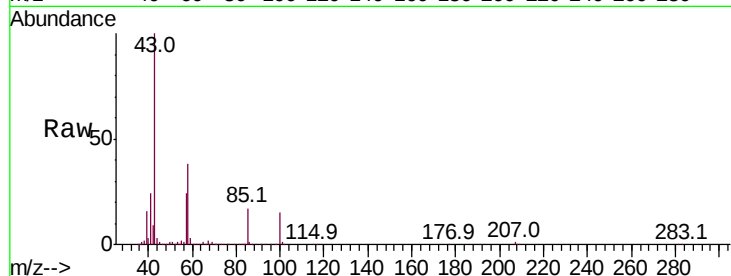
VW0208SBS01

Tot Ion: 43 Resp: 352426

Ion Ratio Lower Upper

43 100

58 36.9 29.7 44.5



#52

Toluene

Concen: 21.049 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008571.D

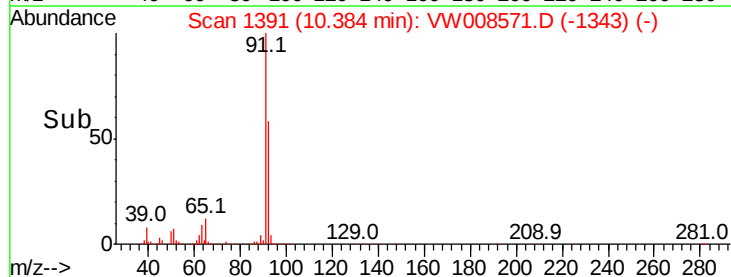
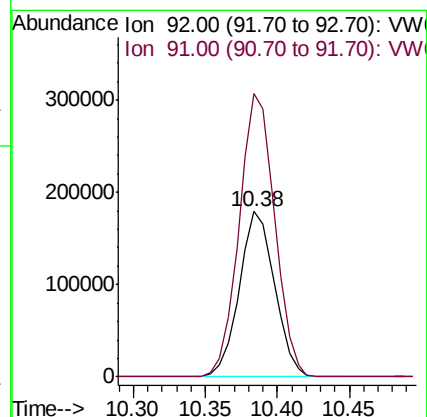
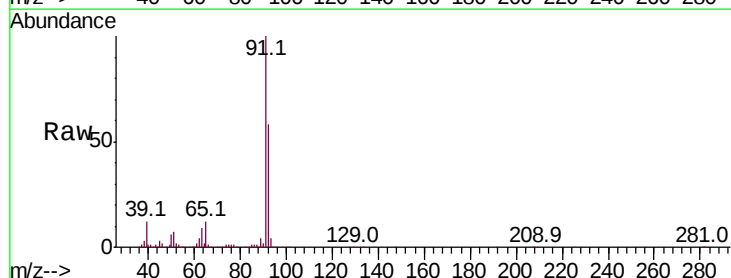
Acq: 08 Feb 2019 13:55

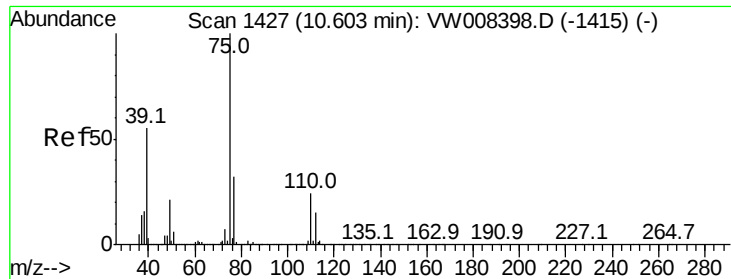
Tgt Ion: 92 Resp: 305178

Ion Ratio Lower Upper

92 100

91 172.3 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 20.520 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampled :

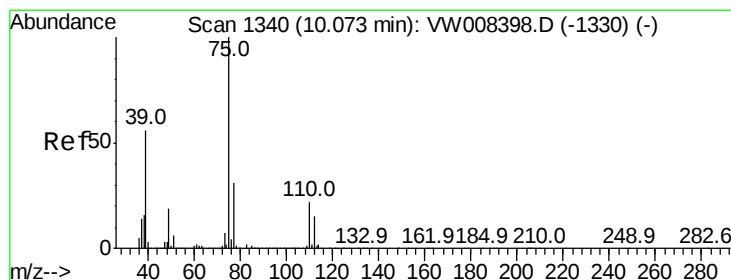
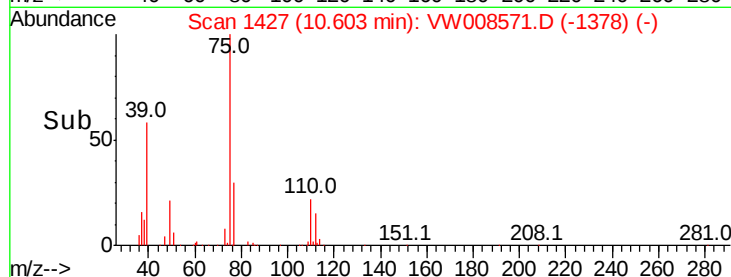
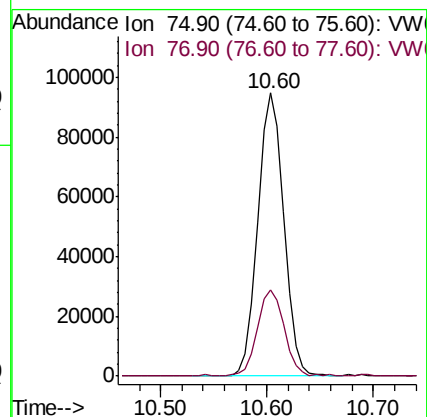
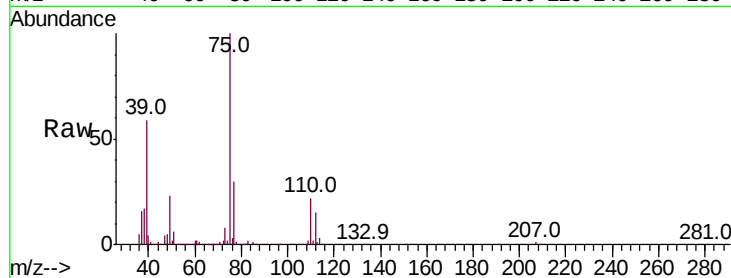
VW0208SBS01

Tot Ion: 75 Resp: 162670

Ion Ratio Lower Upper

75 100

77 30.2 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.903 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

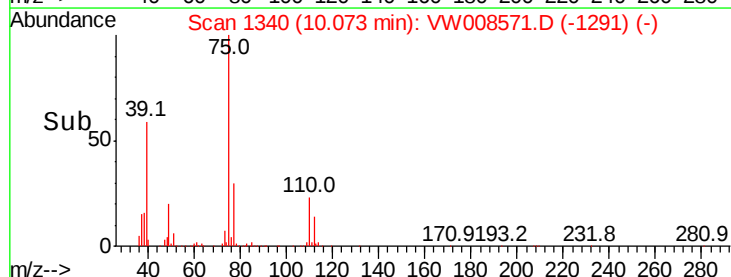
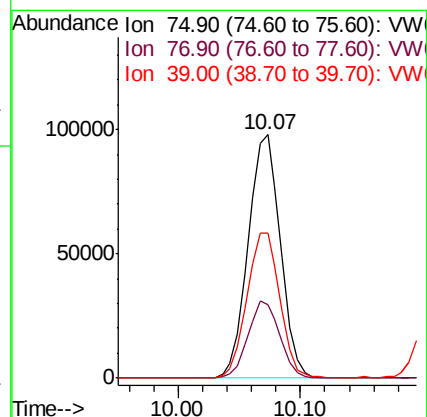
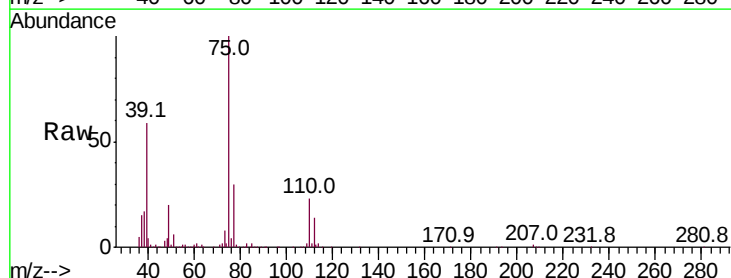
Tgt Ion: 75 Resp: 179051

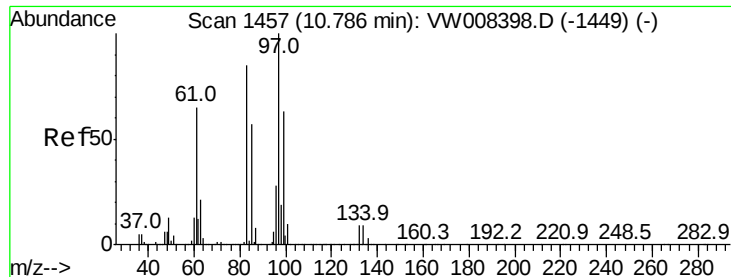
Ion Ratio Lower Upper

75 100

77 30.1 25.0 37.4

39 59.2 44.9 67.3





#55

1,1,2-Trichloroethane

Concen: 20.602 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

Tot Ion: 97 Resp: 80487

Ion	Ratio	Lower	Upper
97	100		
83	84.4	68.4	102.6
85	56.6	45.3	67.9
99	62.0	50.6	76.0

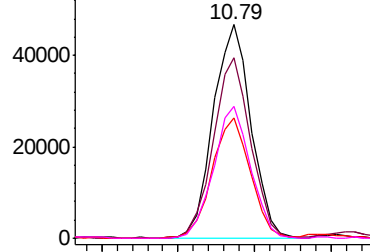
Abundance

Ion 96.90 (96.60 to 97.60): VW

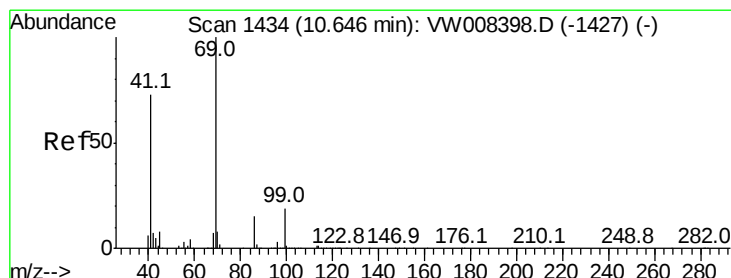
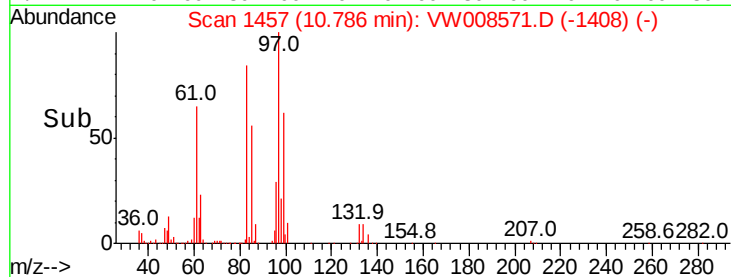
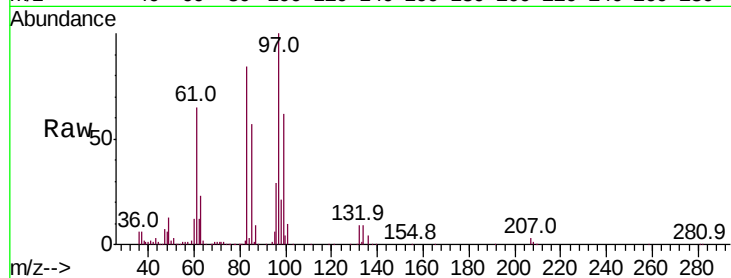
Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



Time-->



#56

Ethyl methacrylate

Concen: 19.341 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Tgt Ion: 69 Resp: 105878

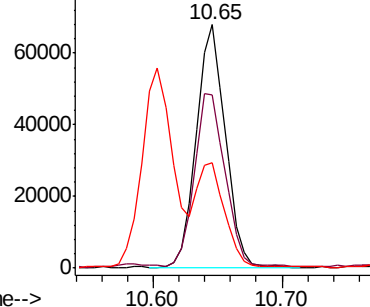
Ion	Ratio	Lower	Upper
69	100		
41	75.8	58.7	88.1
39	41.0	32.6	48.8

Abundance

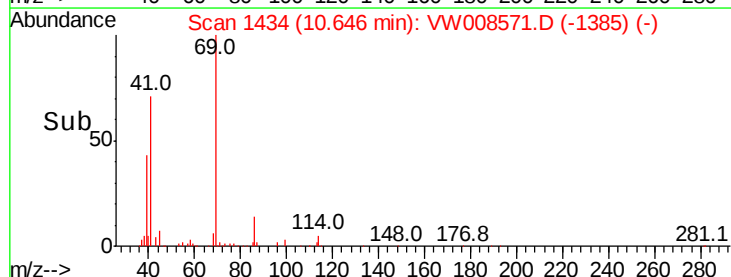
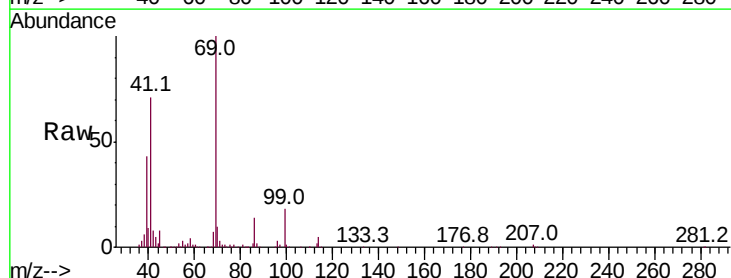
Ion 69.00 (68.70 to 69.70): VW

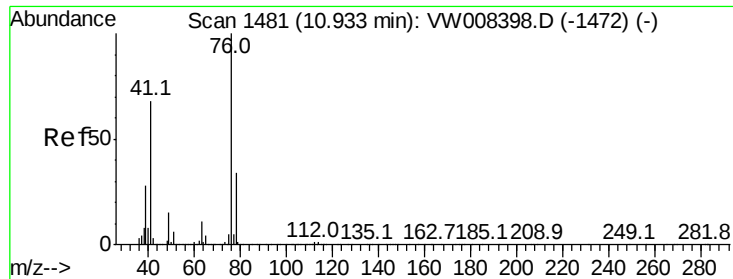
Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->





#57

1,3-Dichloropropane

Concen: 20.626 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

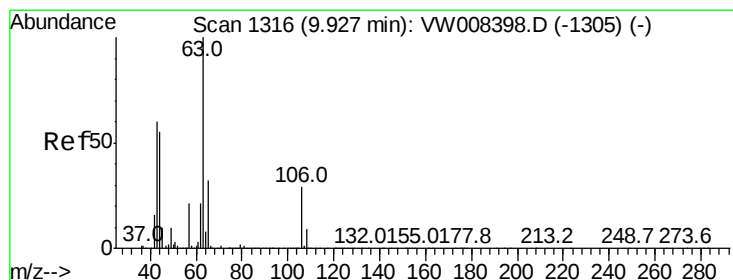
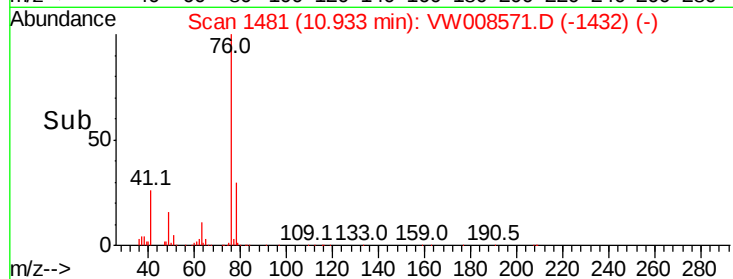
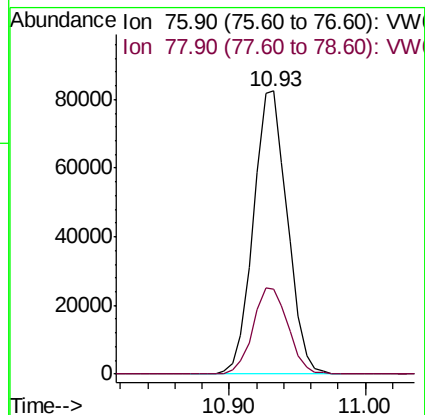
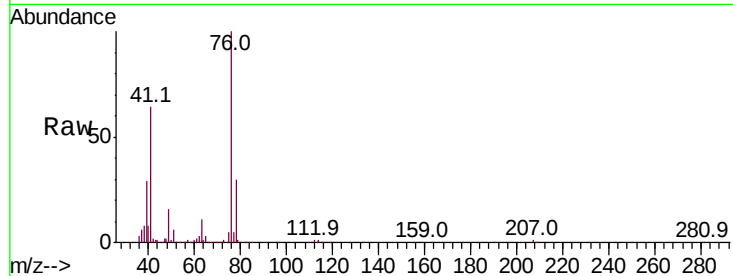
VW0208SBS01

Tot Ion: 76 Resp: 144366

Ion Ratio Lower Upper

76 100

78 31.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 103.458 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008571.D

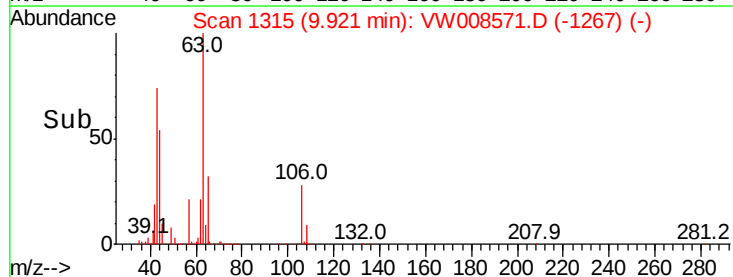
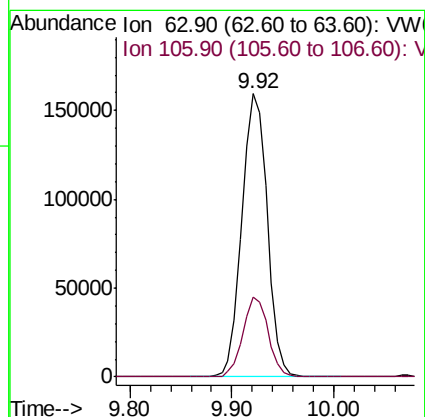
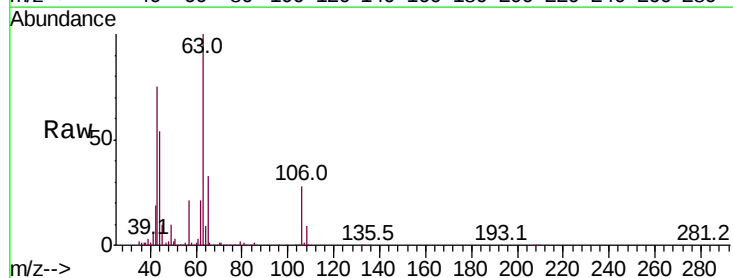
Acq: 08 Feb 2019 13:55

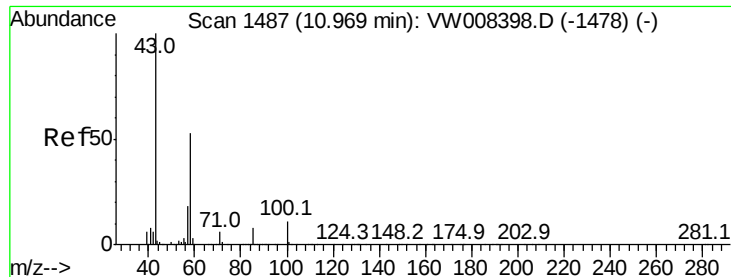
Tgt Ion: 63 Resp: 275180

Ion Ratio Lower Upper

63 100

106 28.1 22.4 33.6

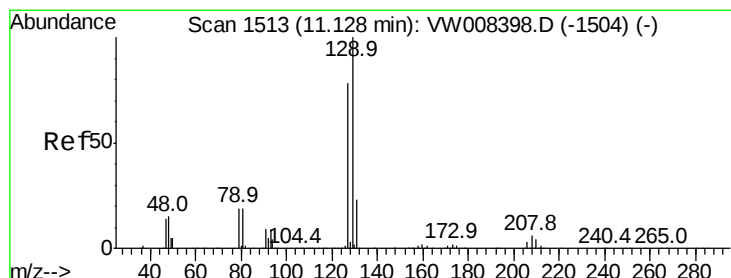
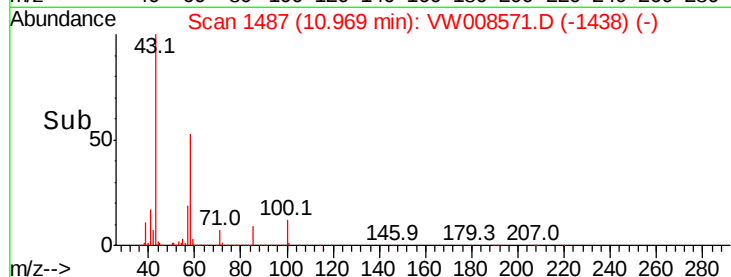
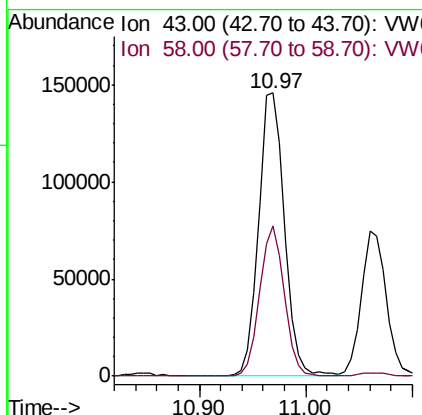
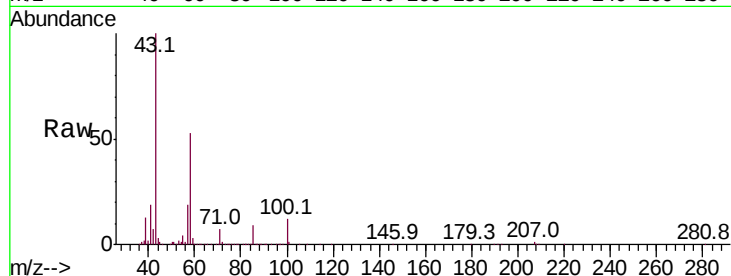




#59
2-Hexanone
Concen: 98.094 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

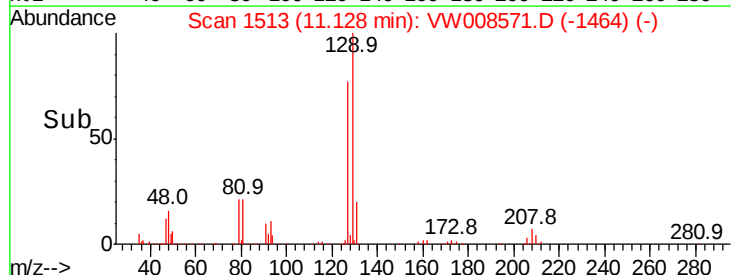
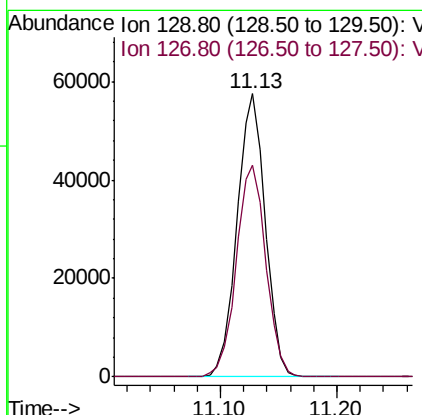
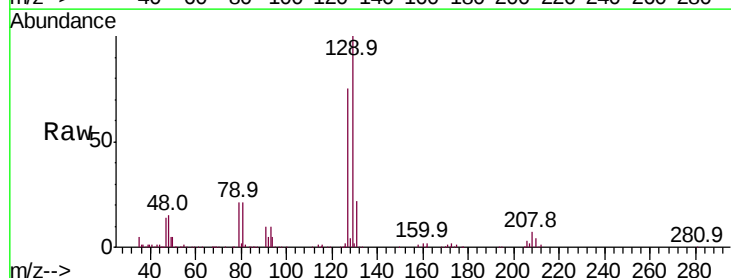
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

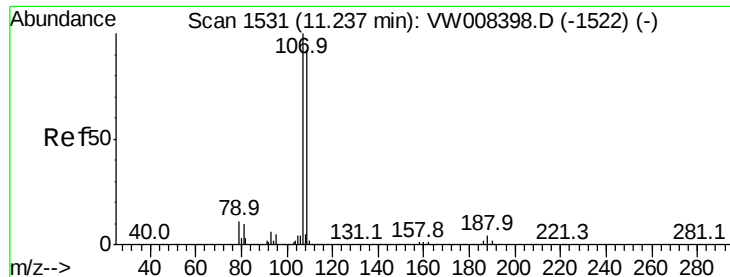
Tot Ion: 43 Resp: 248896
Ion Ratio Lower Upper
43 100
58 50.6 25.9 77.7



#60
Dibromochloromethane
Concen: 19.371 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion: 129 Resp: 97253
Ion Ratio Lower Upper
129 100
127 78.4 39.1 117.2

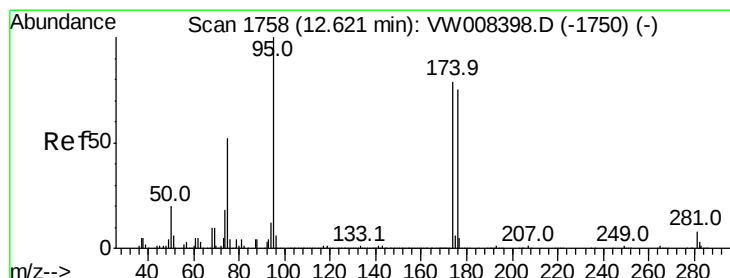
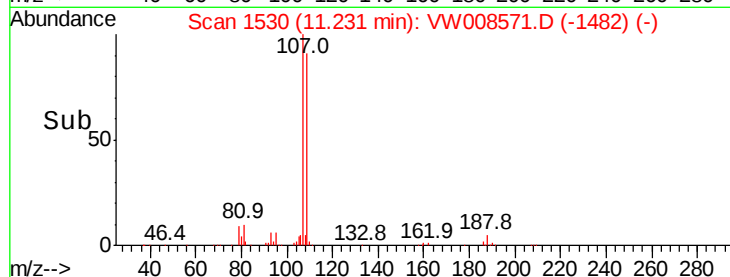
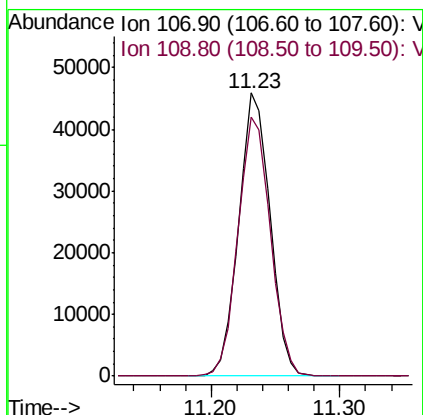
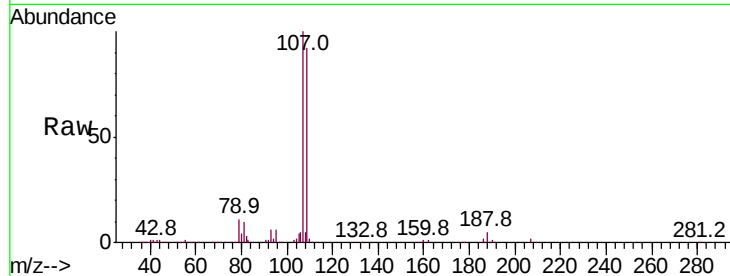




#61
 1,2-Dibromoethane
 Concen: 19.898 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

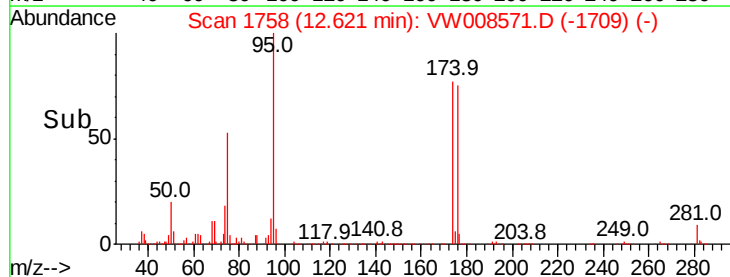
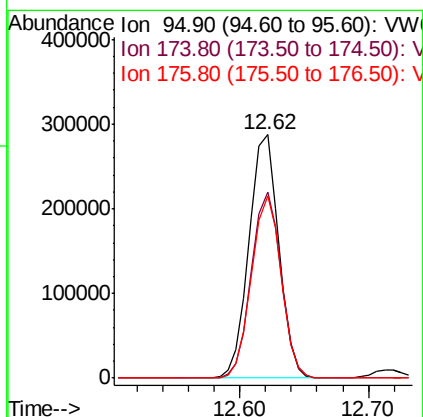
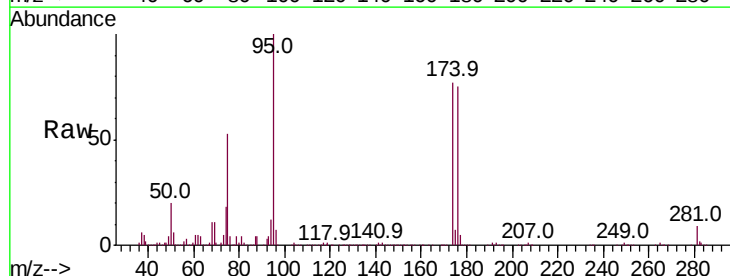
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

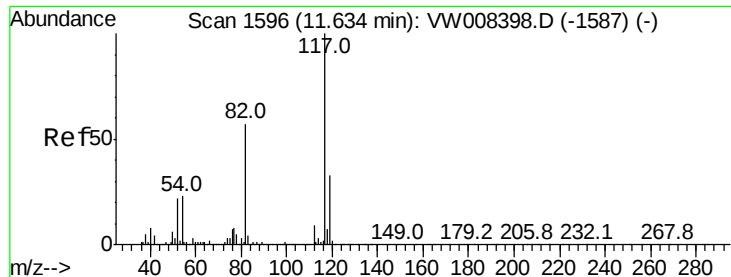
Tot Ion: 107 Resp: 77082
 Ion Ratio Lower Upper
 107 100
 109 94.8 75.0 112.4



#62
 4-Bromofluorobenzene
 Concen: 60.505 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Tgt Ion: 95 Resp: 456943
 Ion Ratio Lower Upper
 95 100
 174 76.6 0.0 157.6
 176 74.6 0.0 151.8

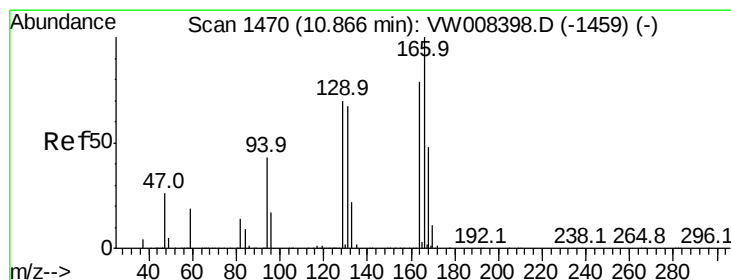
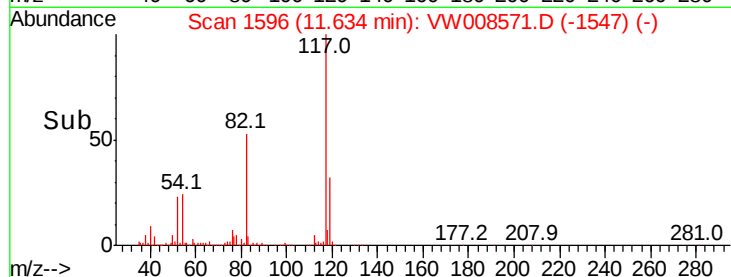
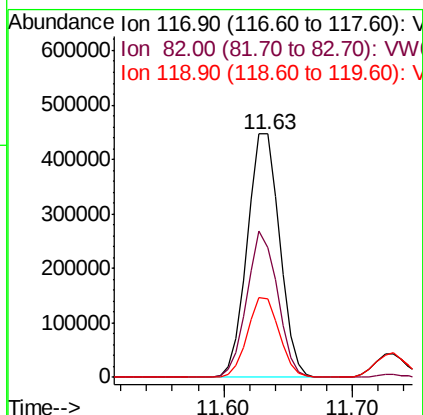
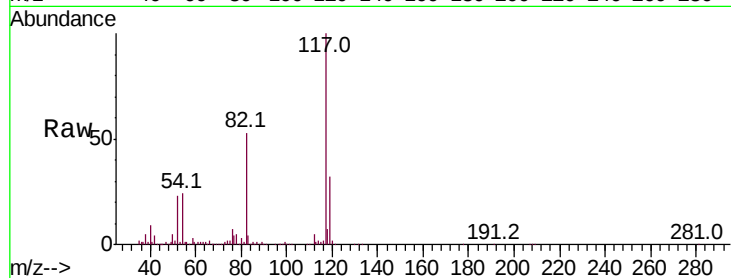




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

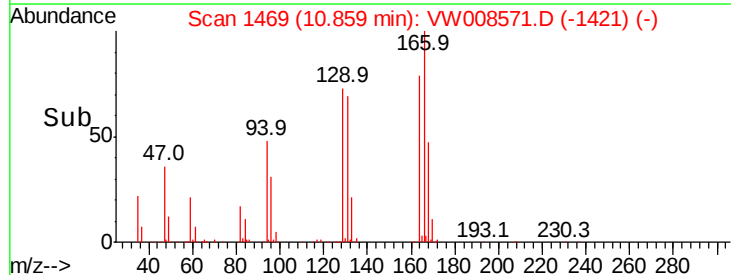
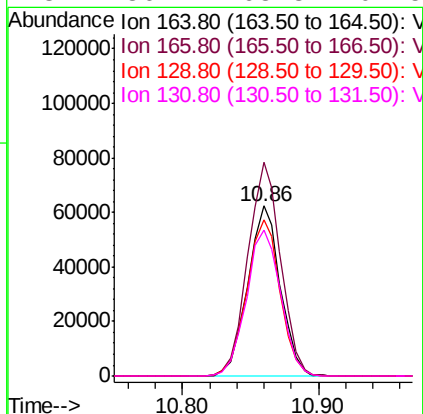
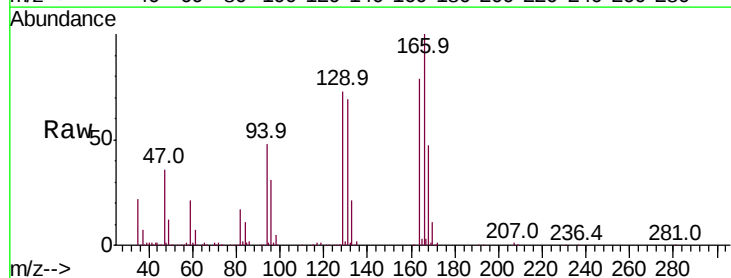
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

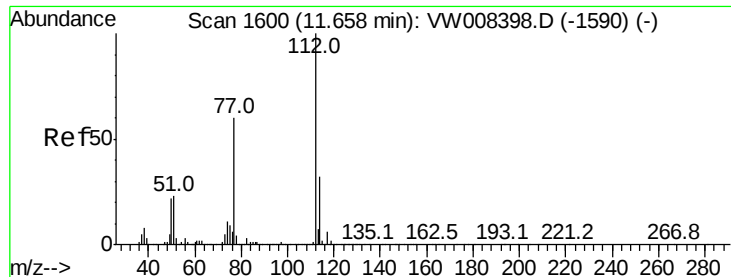
Tot Ion:117 Resp: 776059
Ion Ratio Lower Upper
117 100
82 53.4 45.4 68.0
119 32.3 26.2 39.4



#64
Tetrachloroethene
Concen: 19.938 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion:164 Resp: 104760
Ion Ratio Lower Upper
164 100
166 125.9 101.4 152.0
129 92.1 71.0 106.6
131 86.4 68.3 102.5





#65

Chlorobenzene

Concen: 20.621 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

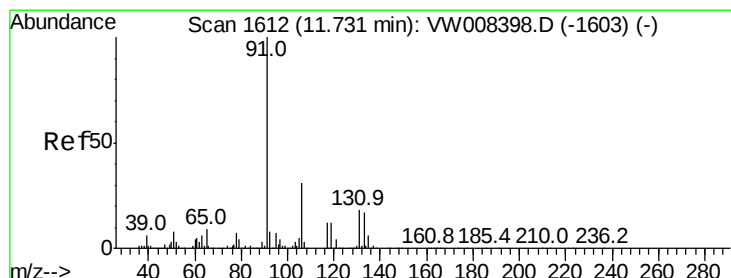
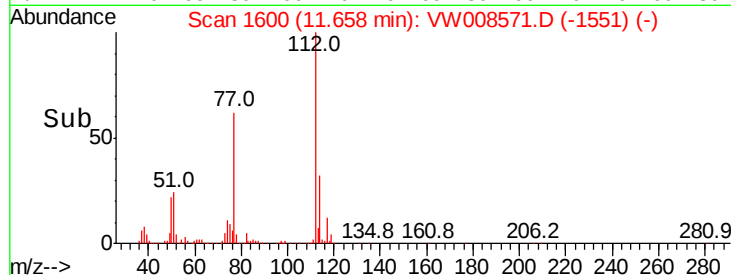
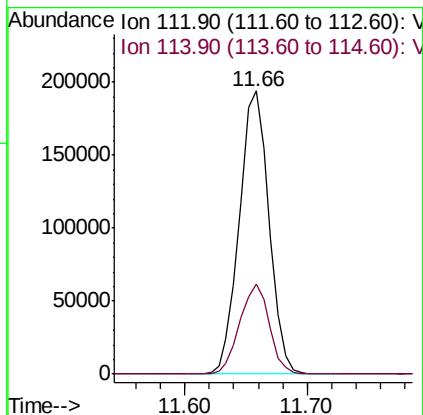
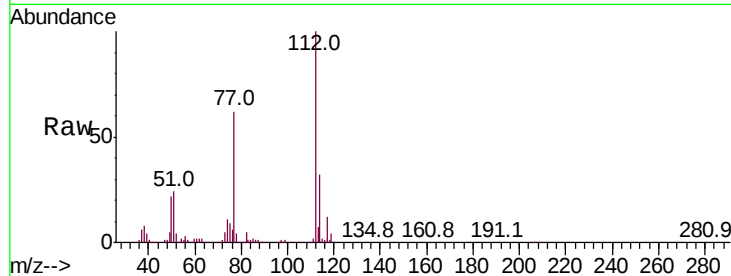
VW0208SBS01

Tot Ion:112 Resp: 326674

Ion Ratio Lower Upper

112 100

114 31.9 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.580 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

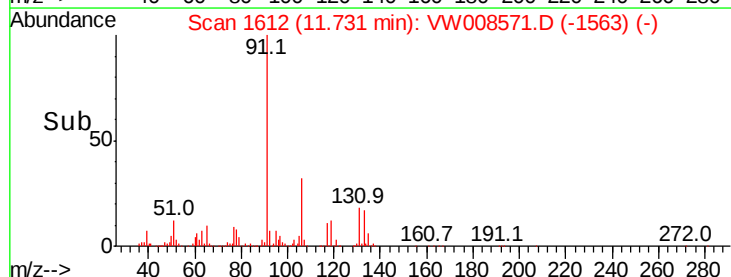
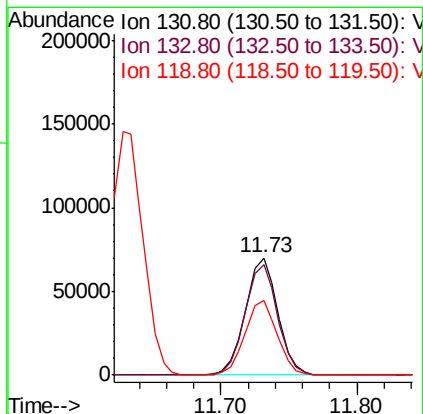
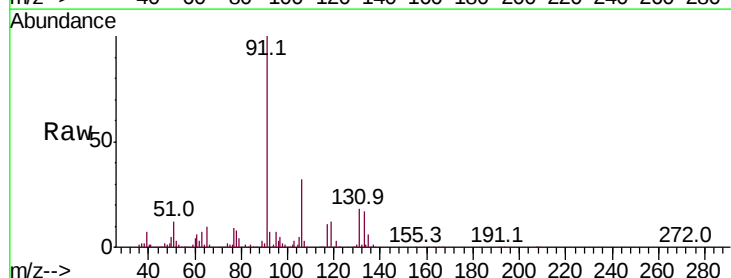
Tgt Ion:131 Resp: 116647

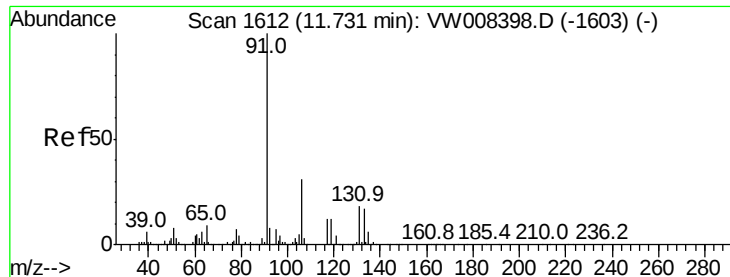
Ion Ratio Lower Upper

131 100

133 95.8 47.0 141.2

119 63.3 32.1 96.3





#67

Ethyl Benzene

Concen: 21.156 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampled :

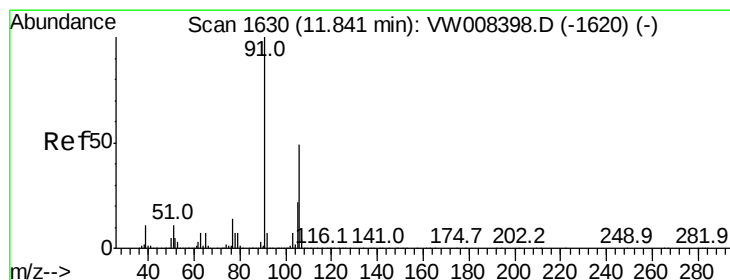
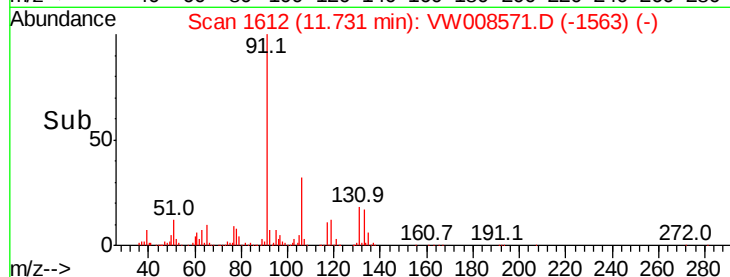
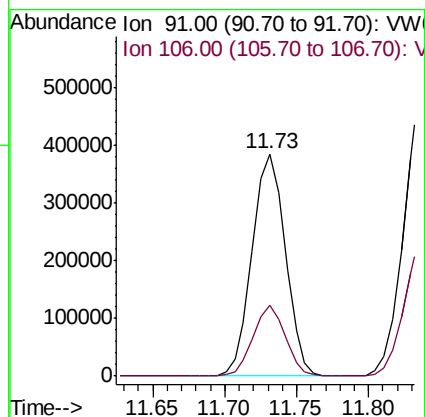
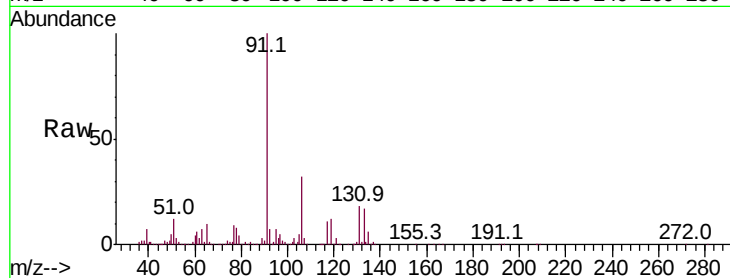
VW0208SBS01

Tot Ion: 91 Resp: 616072

Ion Ratio Lower Upper

91 100

106 31.7 24.7 37.1



#68

m/p-Xylenes

Concen: 41.184 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008571.D

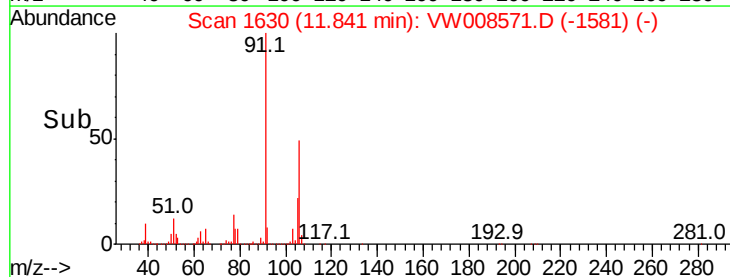
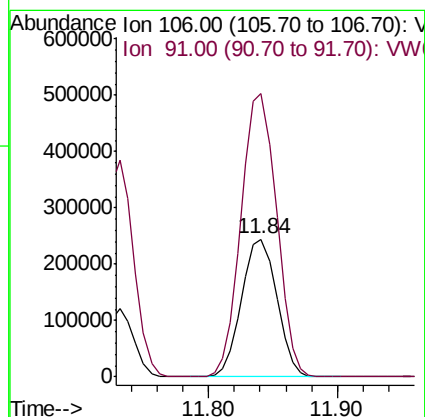
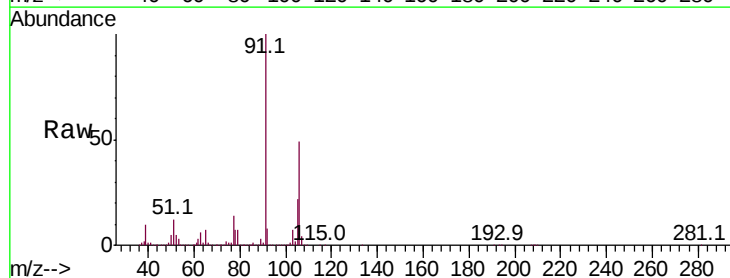
Acq: 08 Feb 2019 13:55

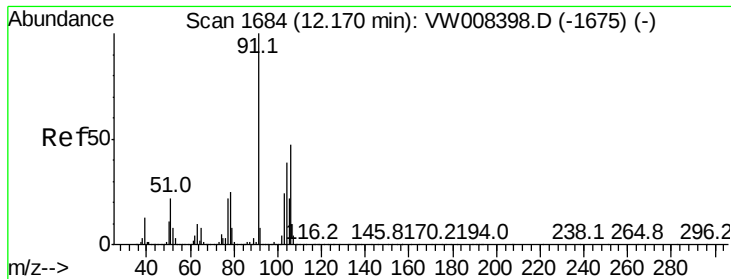
Tgt Ion: 106 Resp: 465320

Ion Ratio Lower Upper

106 100

91 207.3 162.9 244.3

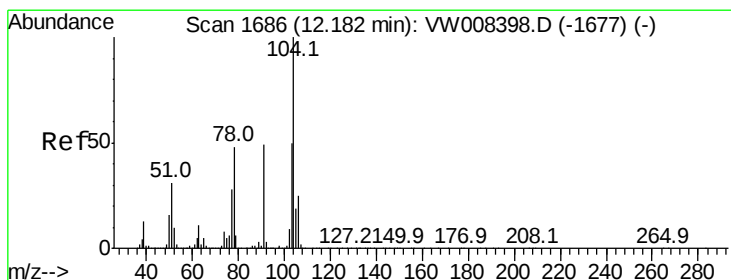
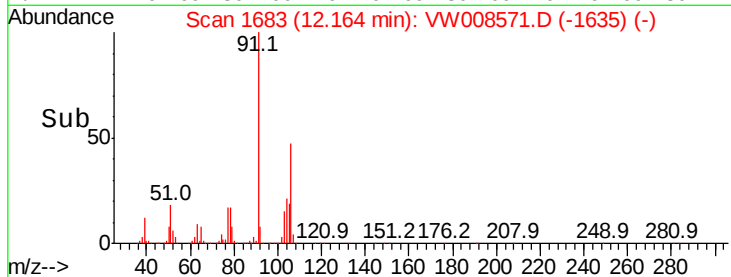
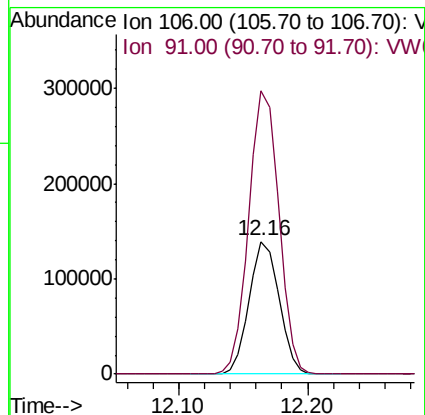
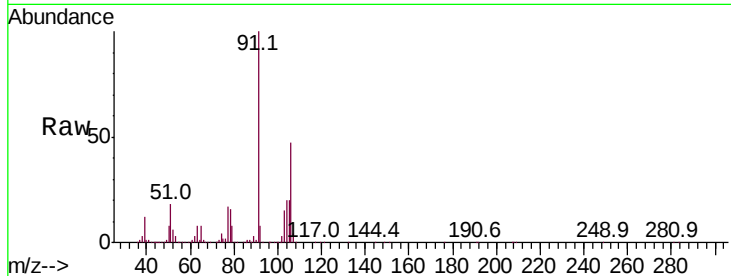




#69
o-Xylene
Concen: 20.845 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

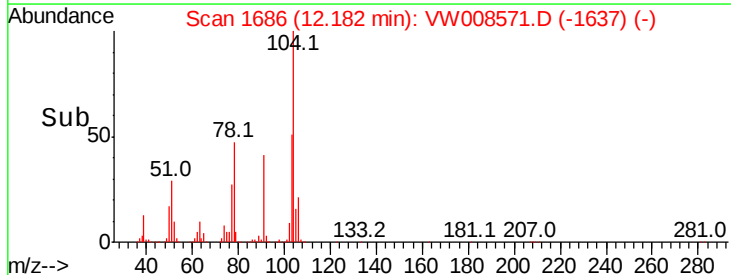
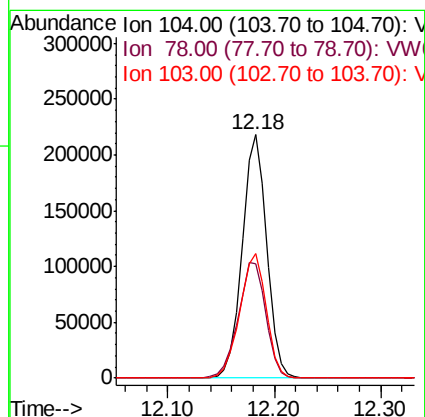
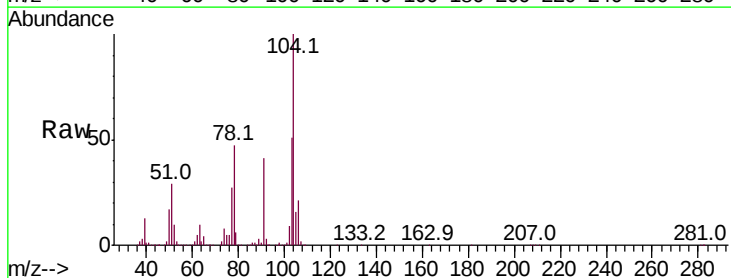
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

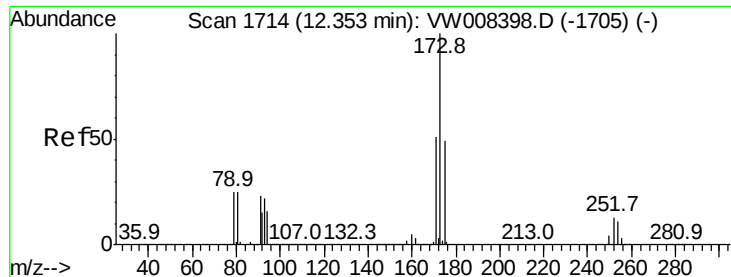
Tot Ion:106 Resp: 223778
Ion Ratio Lower Upper
106 100
91 214.9 107.5 322.4



#70
Styrene
Concen: 19.896 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion:104 Resp: 352805
Ion Ratio Lower Upper
104 100
78 53.7 42.4 63.6
103 55.4 43.4 65.0





#71

Bromoform

Concen: 18.231 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

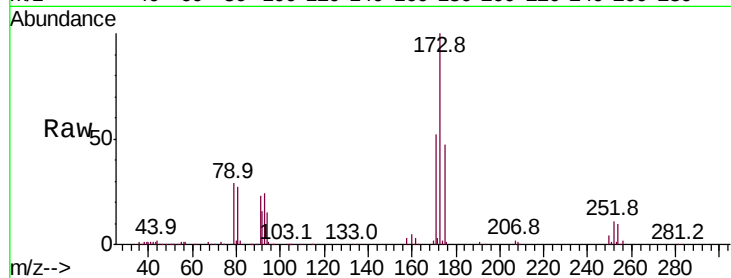
Tot Ion:173 Resp: 58140

Ion Ratio Lower Upper

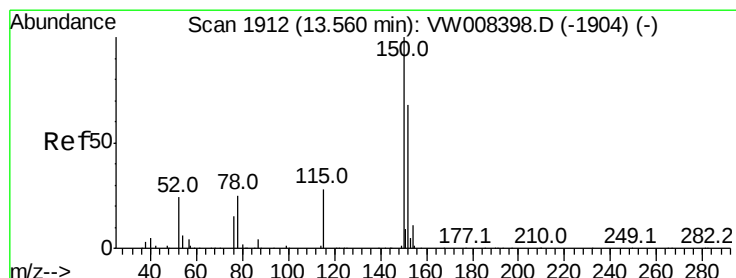
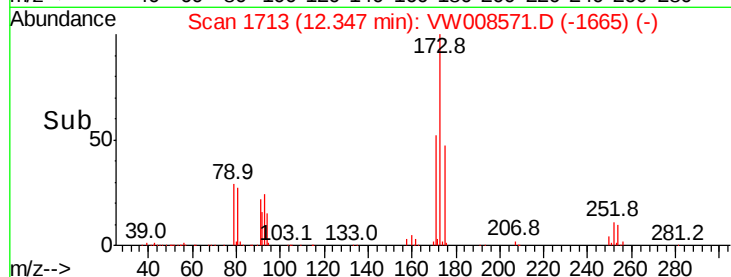
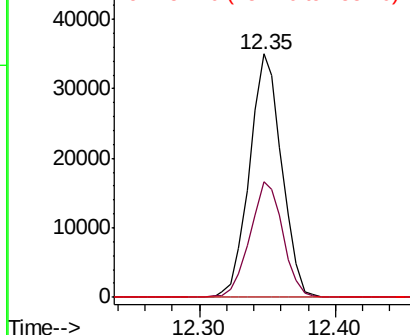
173 100

175 48.4 24.4 73.4

254 0.2 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

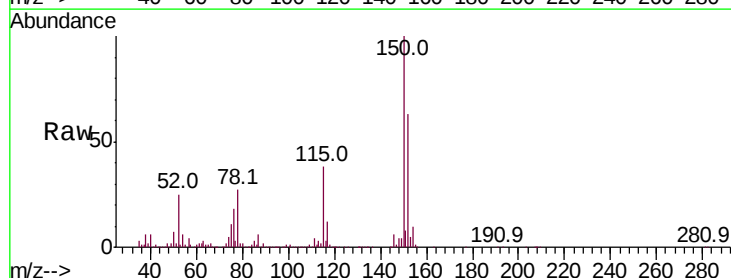
Tgt Ion:152 Resp: 410770

Ion Ratio Lower Upper

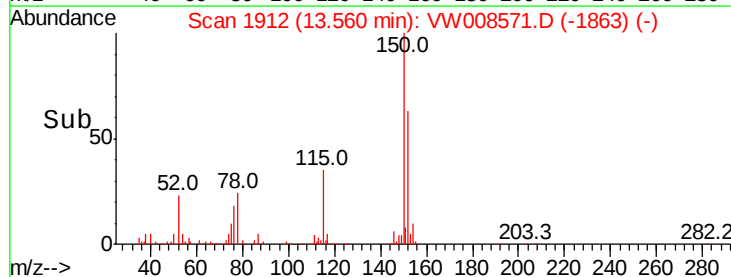
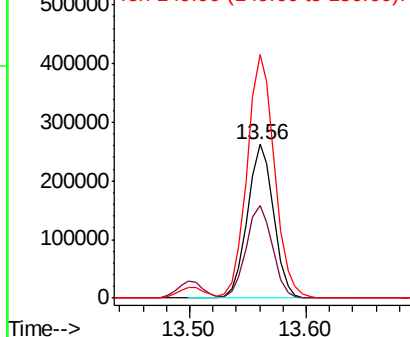
152 100

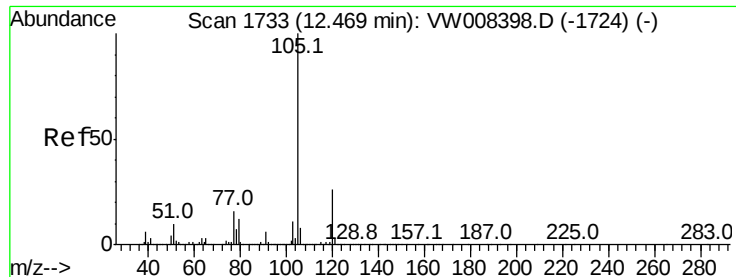
115 60.9 29.9 89.7

150 166.1 0.0 351.4



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





#73

Isopropylbenzene

Concen: 20.563 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

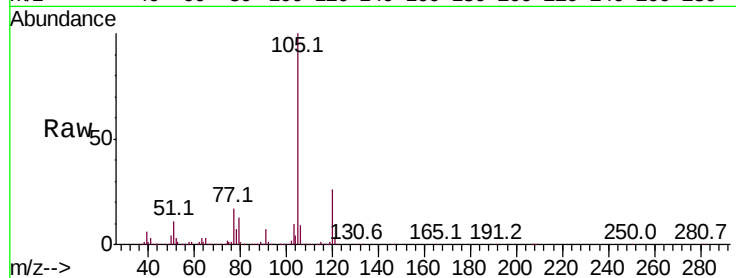
VW0208SBS01

Tot Ion:105 Resp: 629701

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

400000

300000

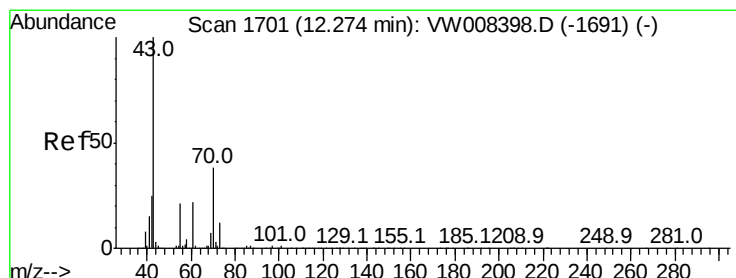
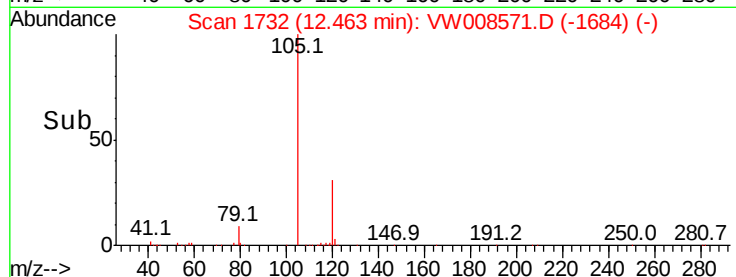
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 18.341 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Tgt Ion: 43 Resp: 144695

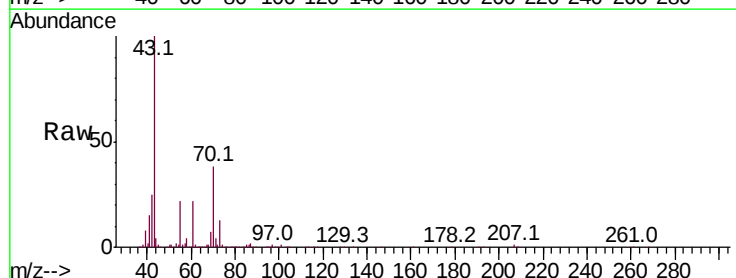
Ion Ratio Lower Upper

43 100

70 39.8 31.0 46.6

55 22.3 17.4 26.2

61 22.1 18.2 27.4



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

150000

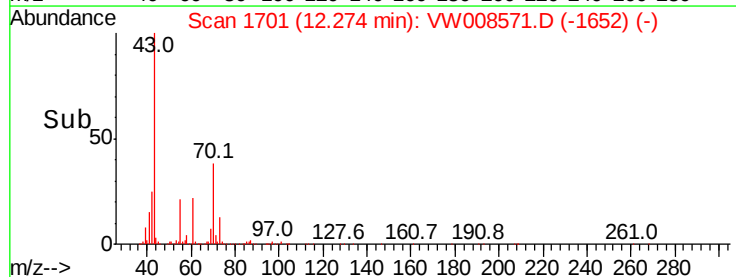
100000

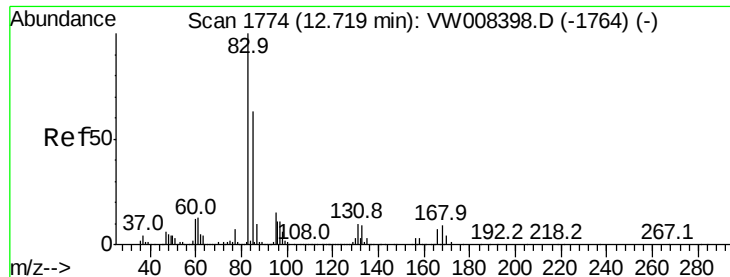
50000

0

Time-->

12.20 12.25 12.30 12.35





#75

1,1,2,2-Tetrachloroethane

Concen: 19.325 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

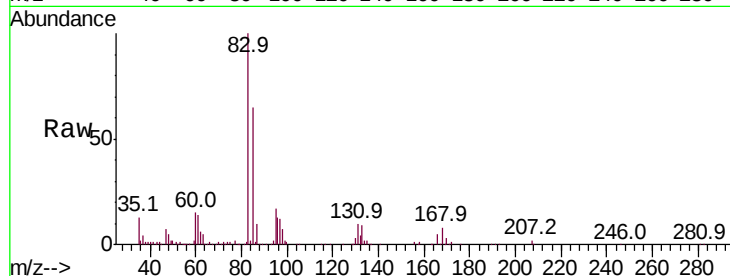
Tot Ion: 83 Resp: 93693

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

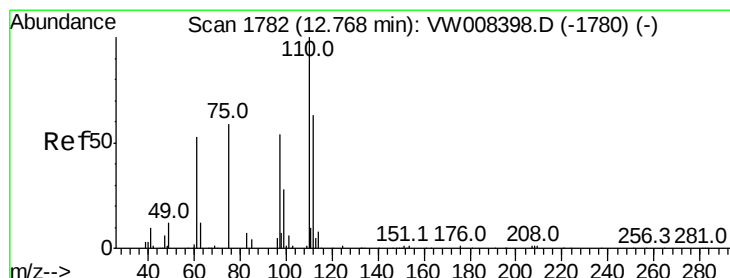
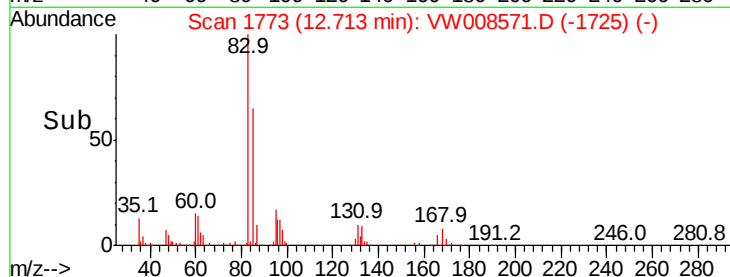
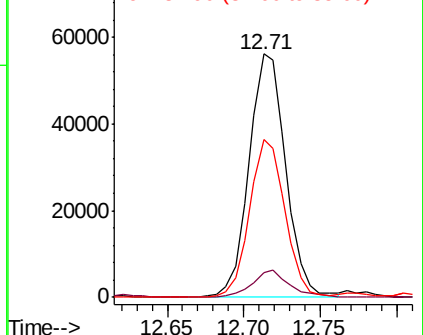
85 62.7 31.9 95.5



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: 37.664 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008571.D

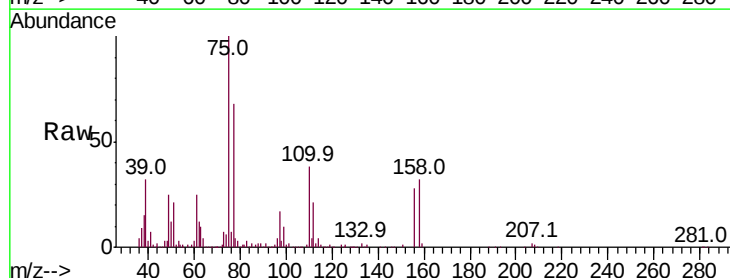
Acq: 08 Feb 2019 13:55

Tgt Ion: 75 Resp: 134510

Ion Ratio Lower Upper

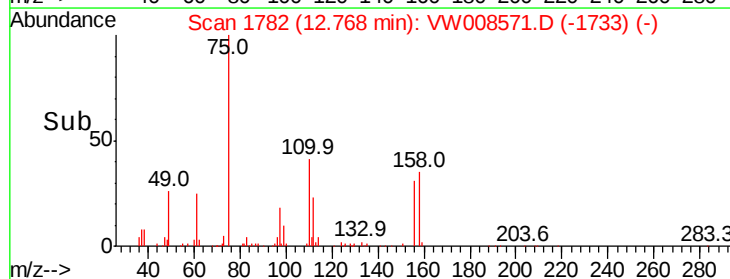
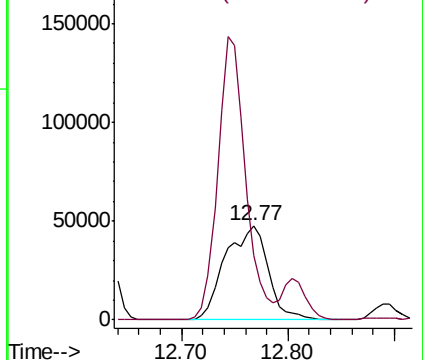
75 100

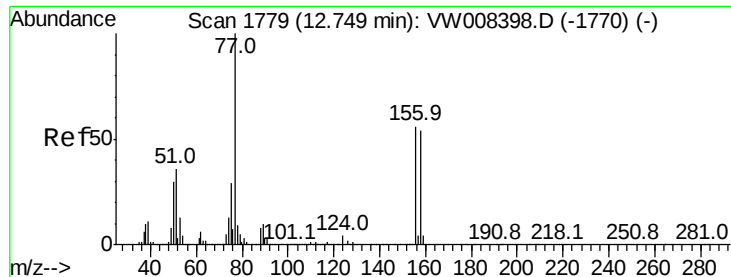
77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.268 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

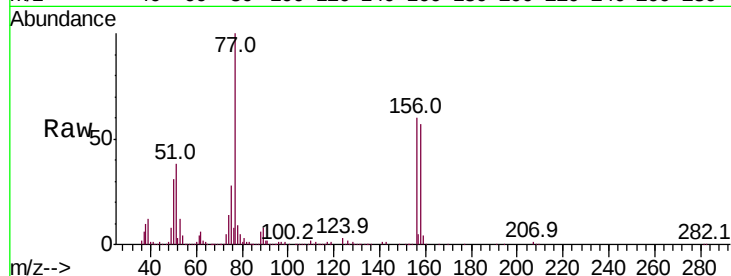
Tot Ion:156 Resp: 135548

Ion Ratio Lower Upper

156 100

77 191.9 96.9 290.7

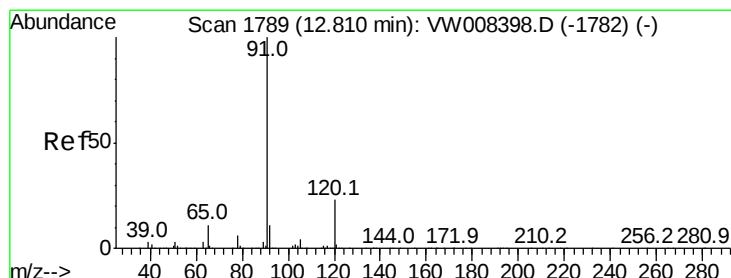
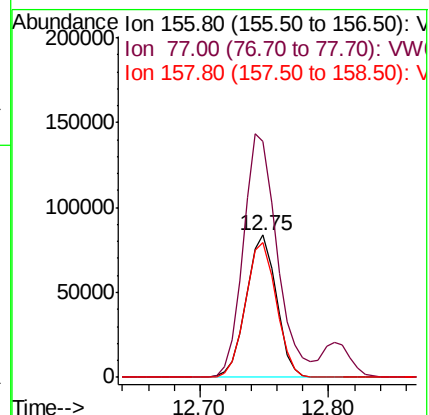
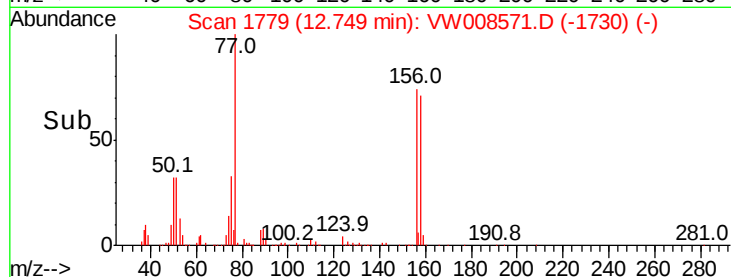
158 96.7 48.8 146.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.646 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008571.D

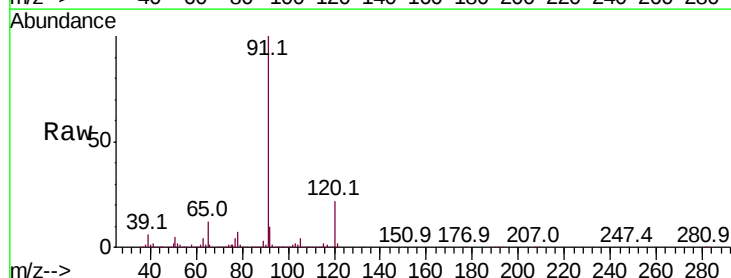
Acq: 08 Feb 2019 13:55

Tgt Ion: 91 Resp: 759374

Ion Ratio Lower Upper

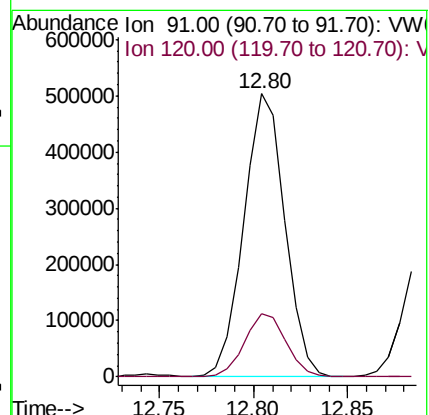
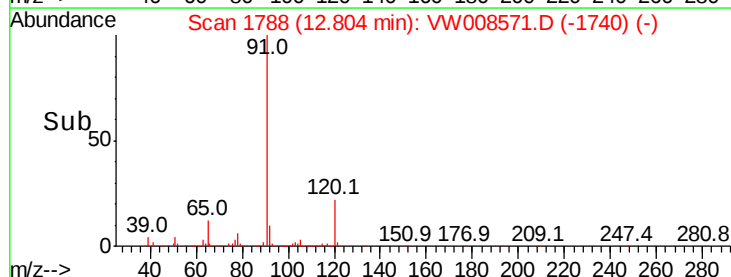
91 100

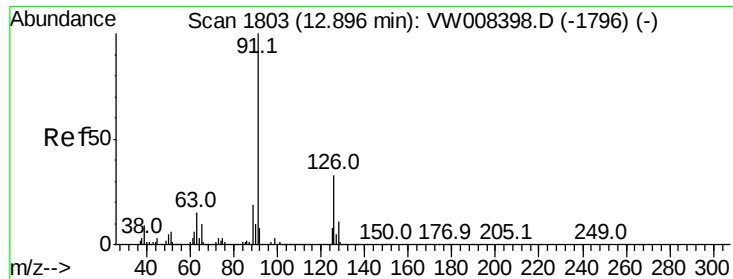
120 22.5 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.887 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

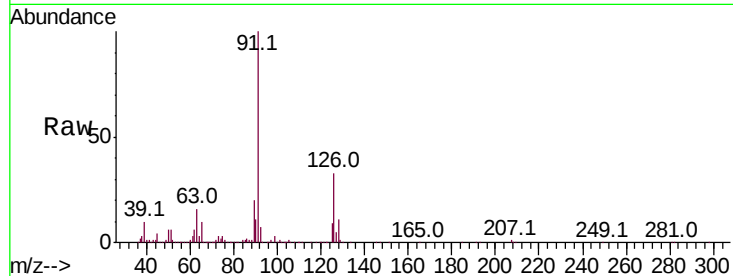
VW0208SBS01

Tot Ion: 91 Resp: 433518

Ion Ratio Lower Upper

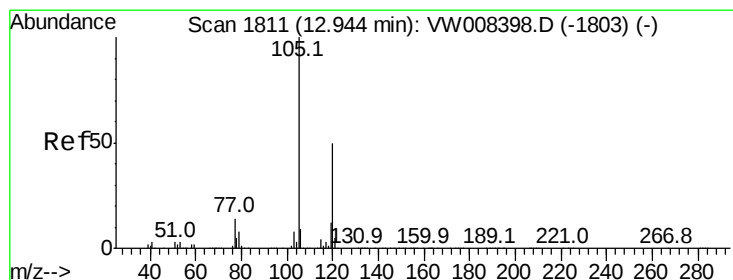
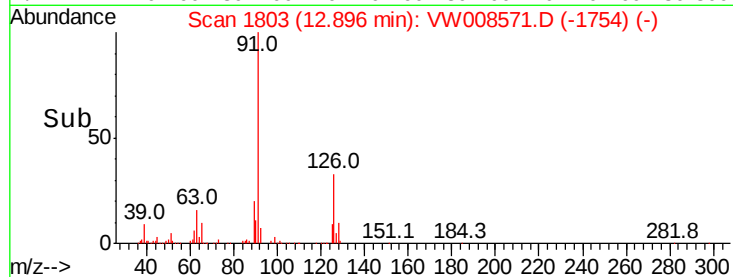
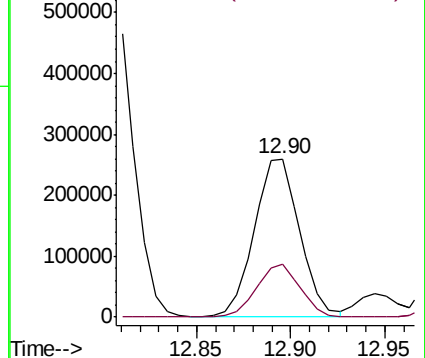
91 100

126 32.3 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.787 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008571.D

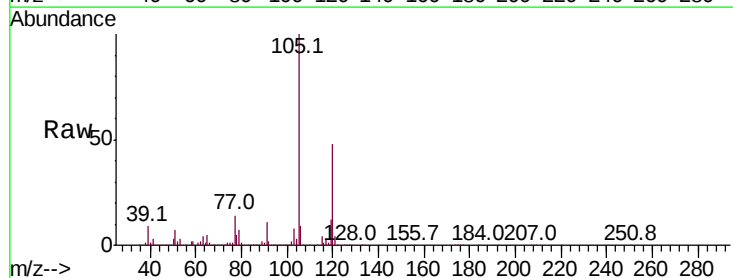
Acq: 08 Feb 2019 13:55

Tgt Ion:105 Resp: 532066

Ion Ratio Lower Upper

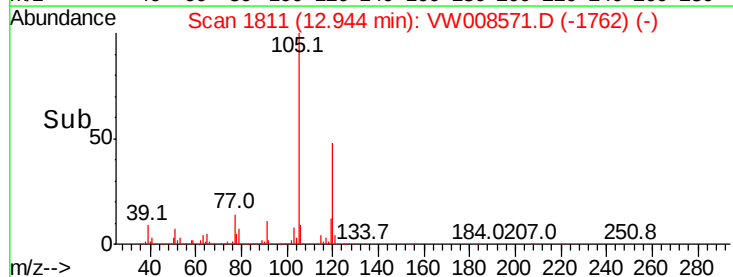
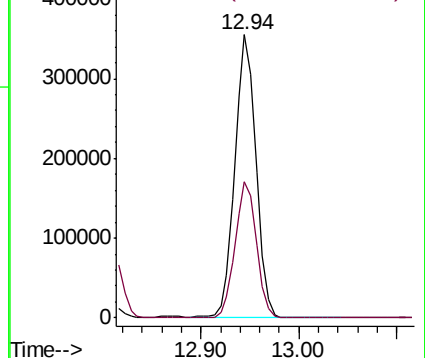
105 100

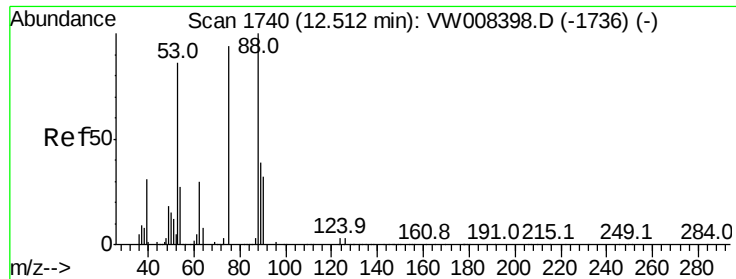
120 48.3 24.6 73.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.929 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

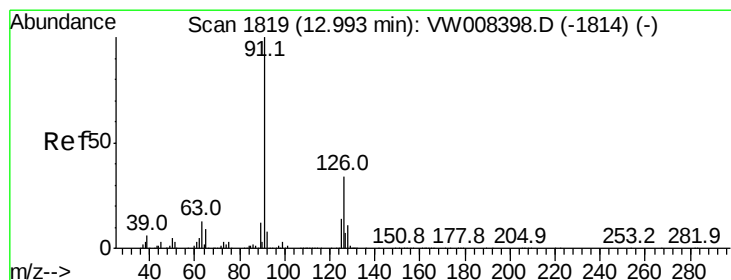
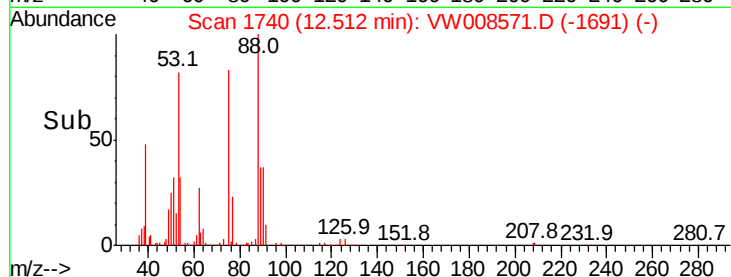
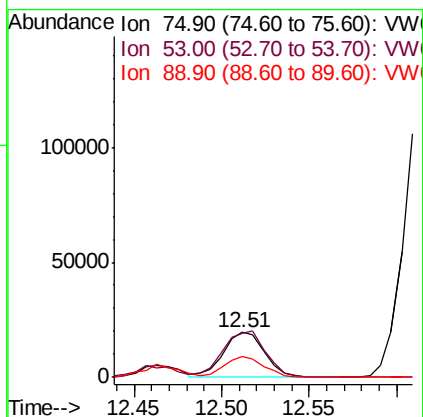
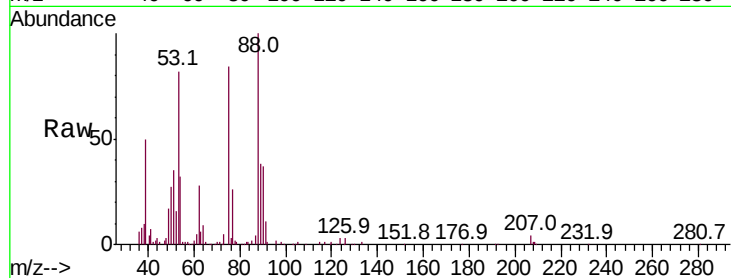
Tot Ion: 75 Resp: 32420

Ion Ratio Lower Upper

75 100

53 104.5 76.0 114.0

89 44.1 35.4 53.0



#82

4-Chlorotoluene

Concen: 20.313 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008571.D

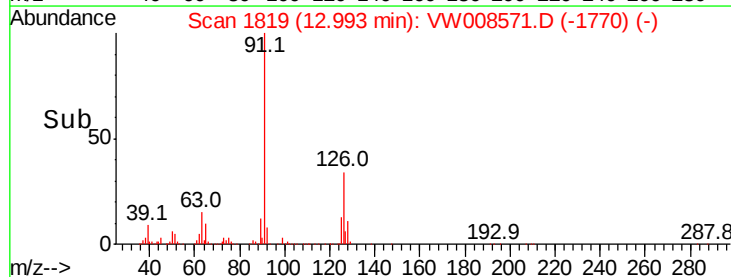
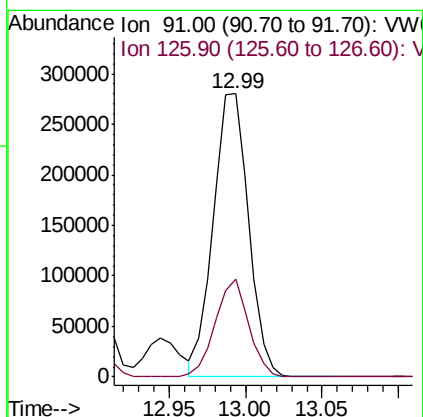
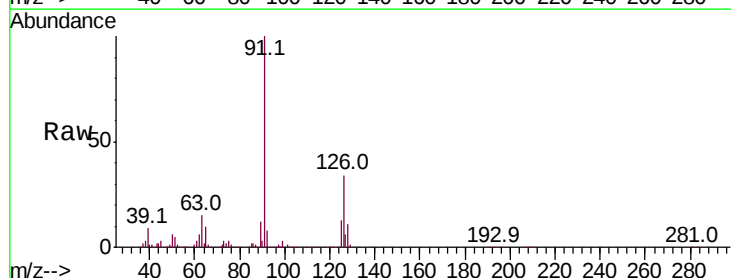
Acq: 08 Feb 2019 13:55

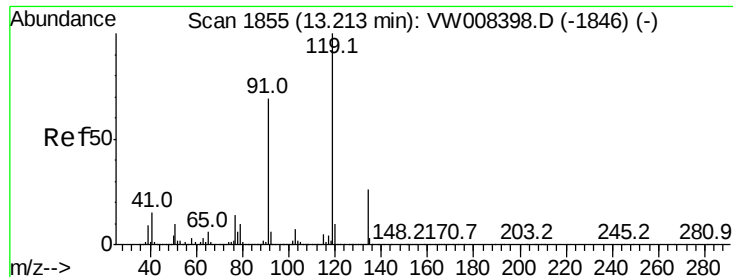
Tgt Ion: 91 Resp: 448864

Ion Ratio Lower Upper

91 100

126 32.6 16.4 49.2

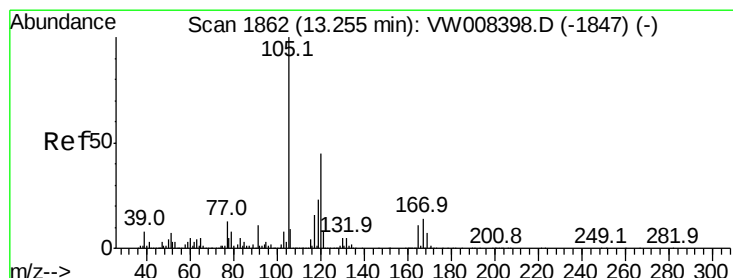
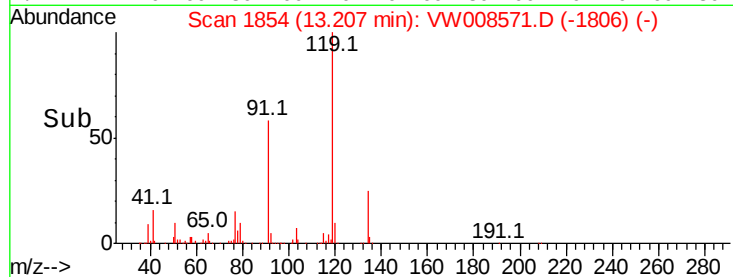
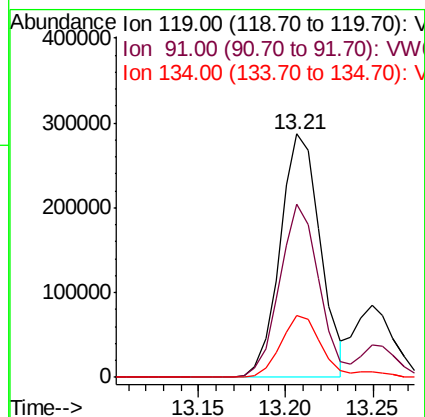
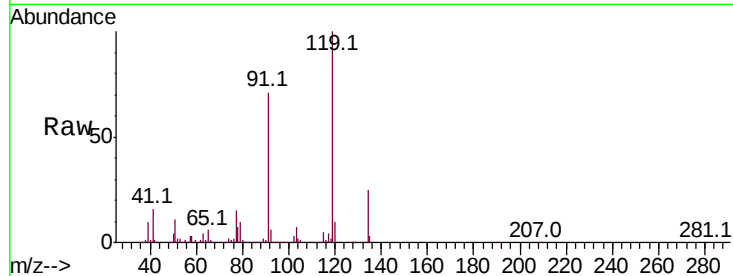




#83
tert-Butylbenzene
Concen: 20.229 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

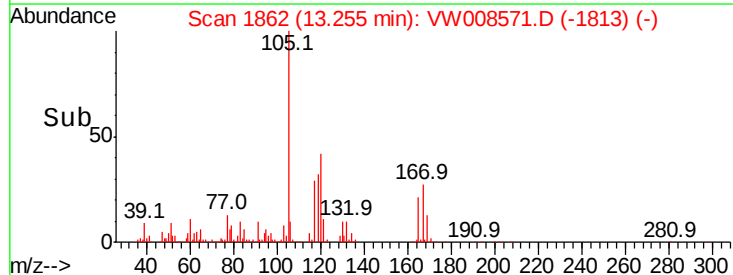
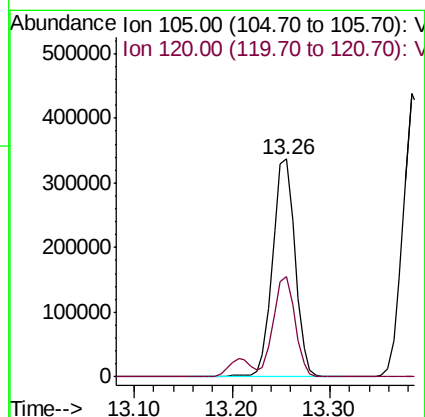
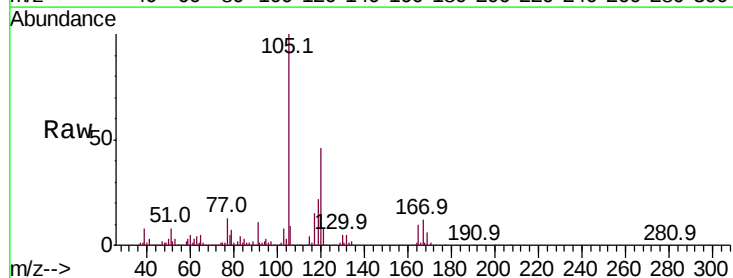
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

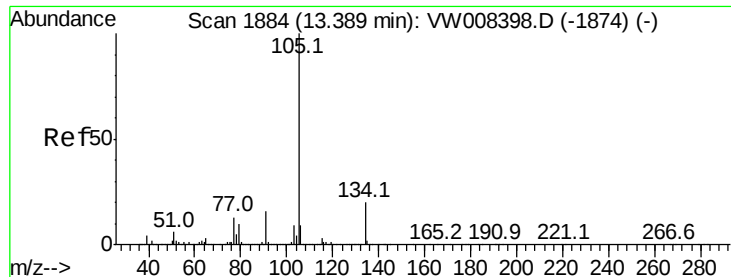
Tot Ion:119 Resp: 460774
Ion Ratio Lower Upper
119 100
91 70.5 33.8 101.4
134 25.3 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 20.713 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion:105 Resp: 538870
Ion Ratio Lower Upper
105 100
120 44.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 20.863 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

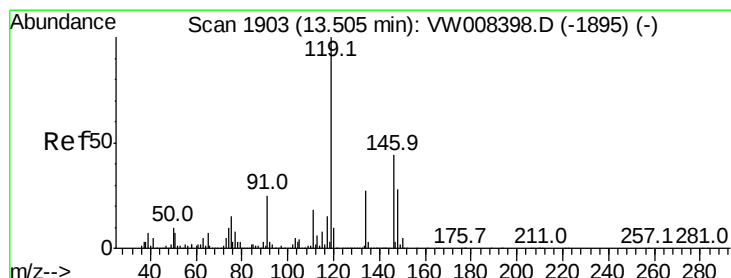
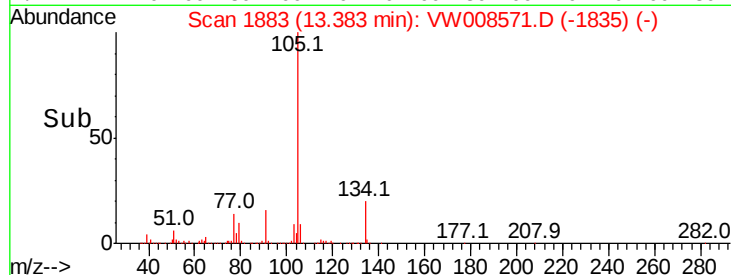
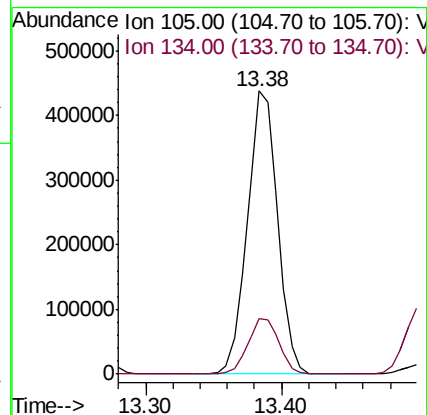
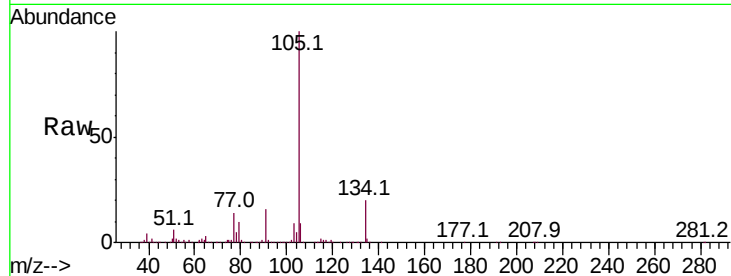
VW0208SBS01

Tot Ion:105 Resp: 678674

Ion Ratio Lower Upper

105 100

134 20.2 10.2 30.6



#86

p-Isopropyltoluene

Concen: 20.631 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

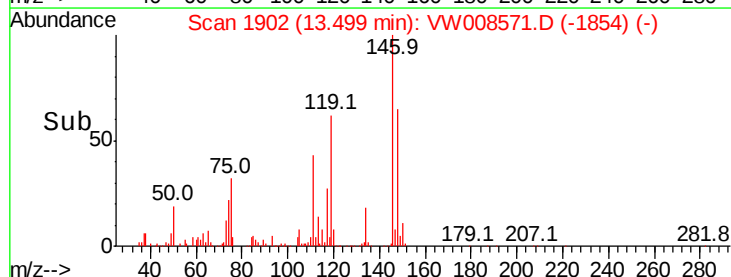
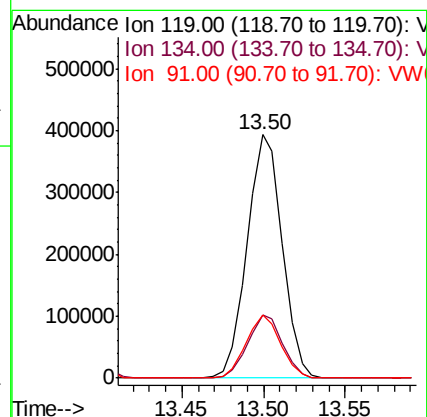
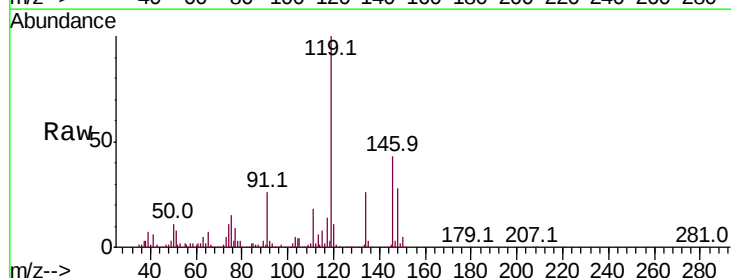
Tgt Ion:119 Resp: 587872

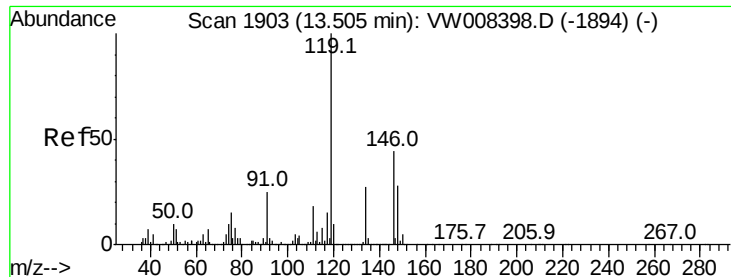
Ion Ratio Lower Upper

119 100

134 26.0 13.4 40.2

91 25.6 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 20.429 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

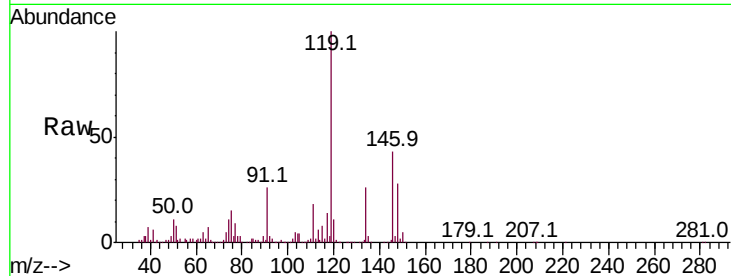
Tot Ion:146 Resp: 275931

Ion Ratio Lower Upper

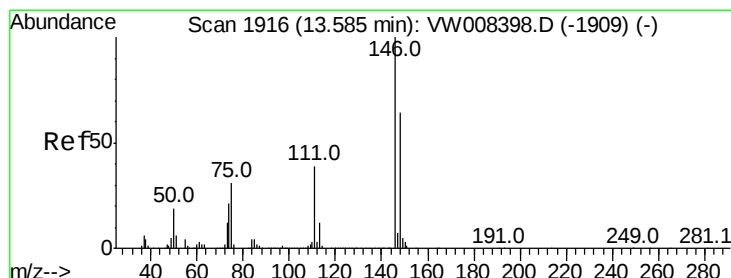
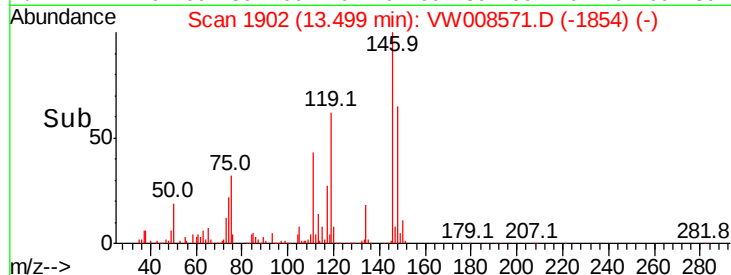
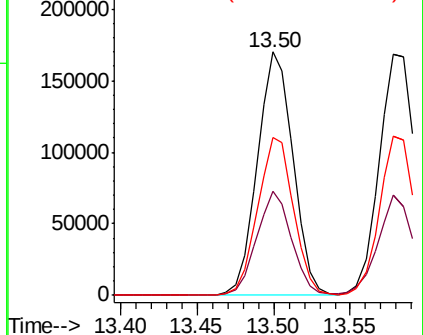
146 100

111 41.7 20.3 60.9

148 65.2 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.641 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

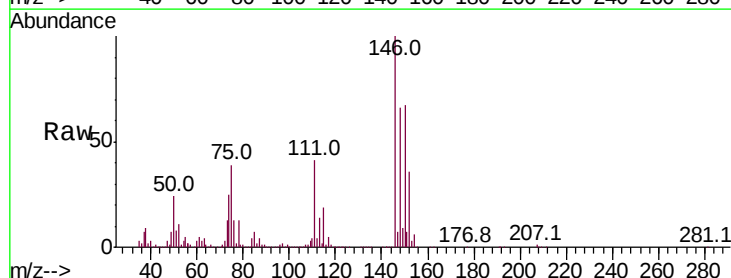
Tgt Ion:146 Resp: 277065

Ion Ratio Lower Upper

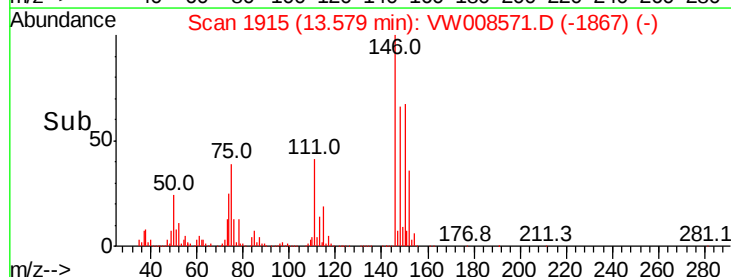
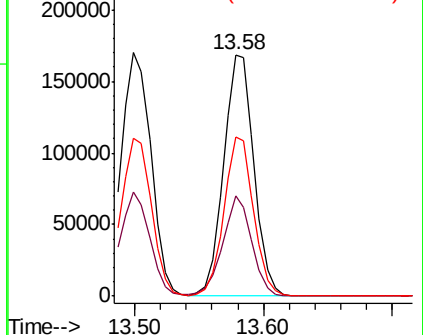
146 100

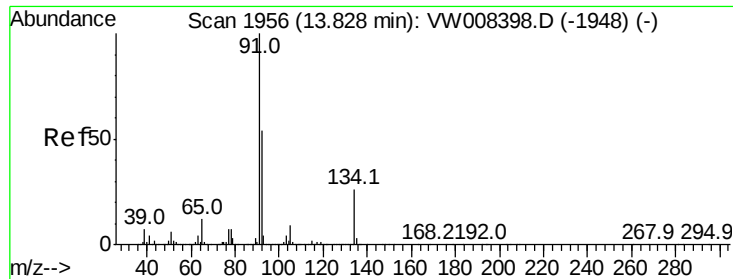
111 39.9 20.0 60.0

148 64.5 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

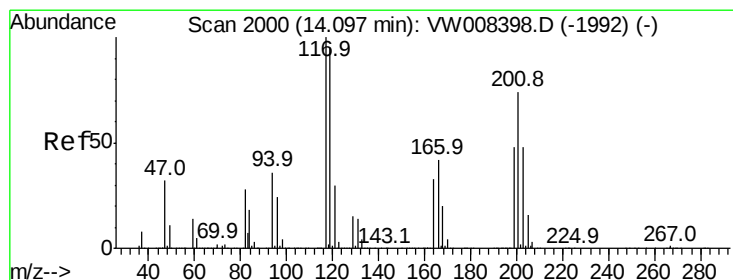
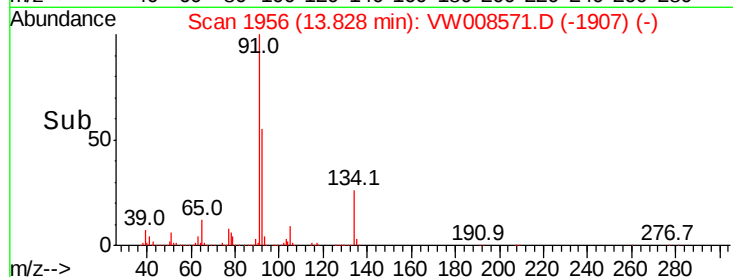
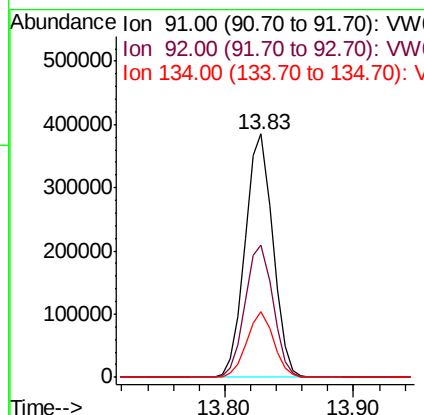
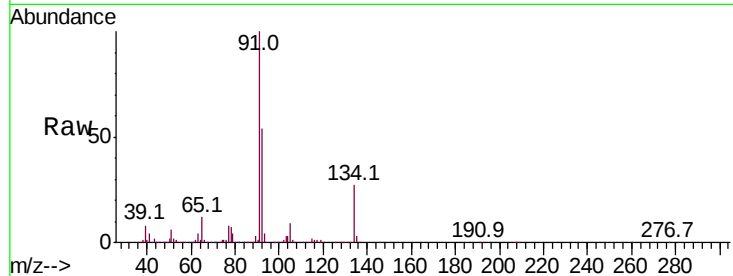




#89
n-Butylbenzene
Concen: 20.353 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

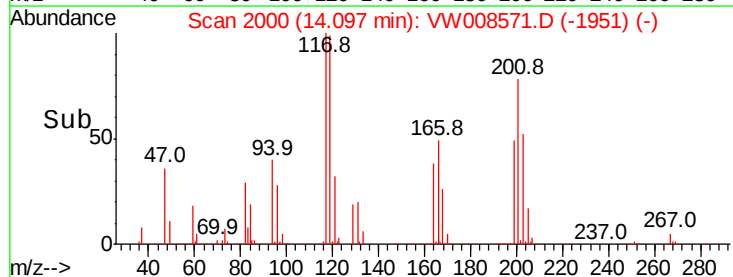
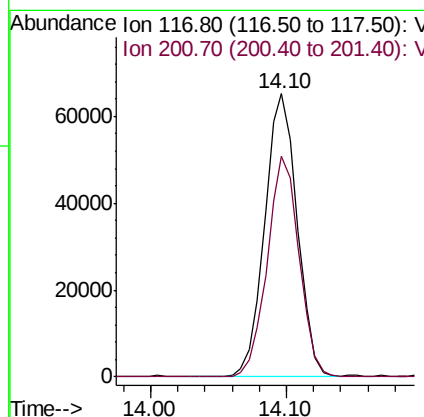
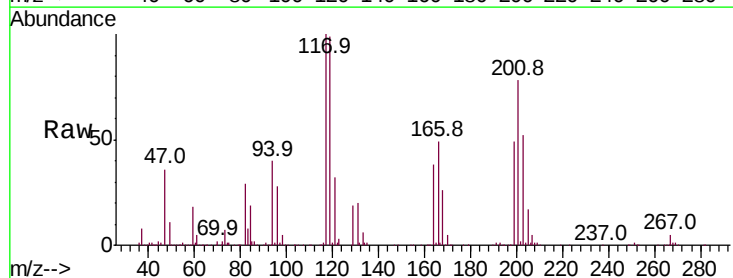
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

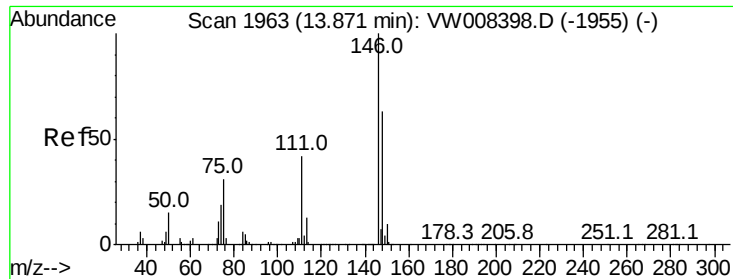
Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.4	82.2
134	26.1	13.0	39.0



#90
Hexachloroethane
Concen: 19.530 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.5	39.1	117.5





#91

1,2-Dichlorobenzene

Concen: 20.856 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

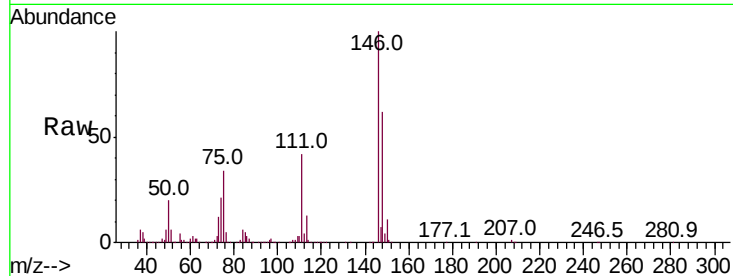
Tot Ion:146 Resp: 249257

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.3

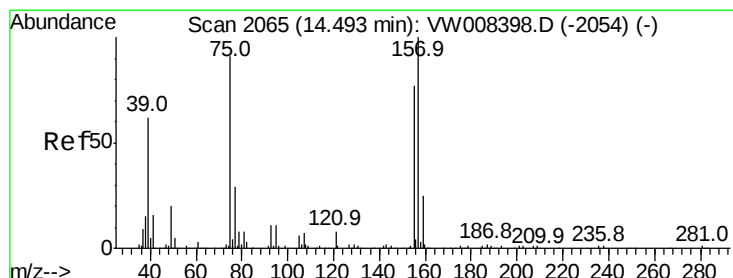
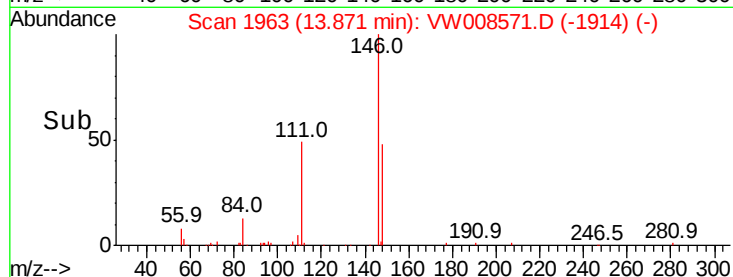
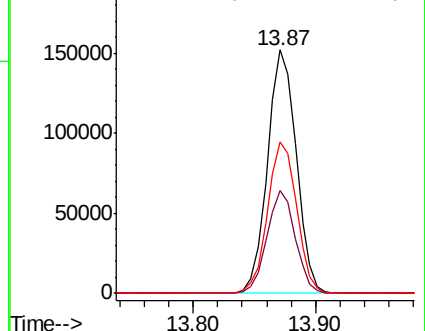
148 62.8 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.064 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008571.D

Acq: 08 Feb 2019 13:55

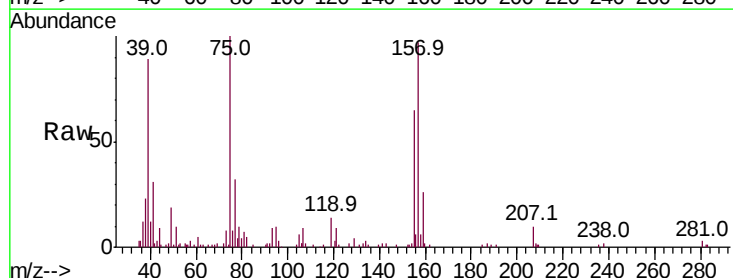
Tgt Ion: 75 Resp: 17537

Ion Ratio Lower Upper

75 100

155 75.4 42.7 128.1

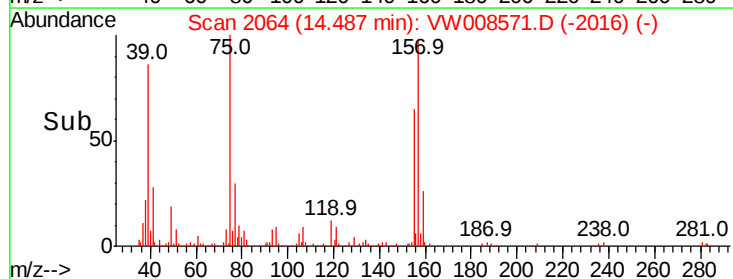
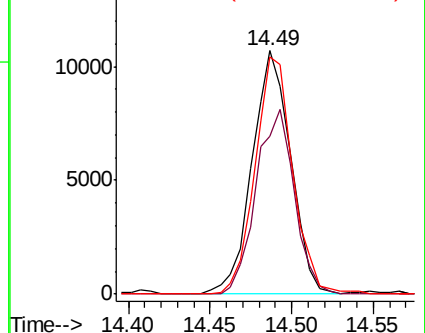
157 95.6 55.5 166.3

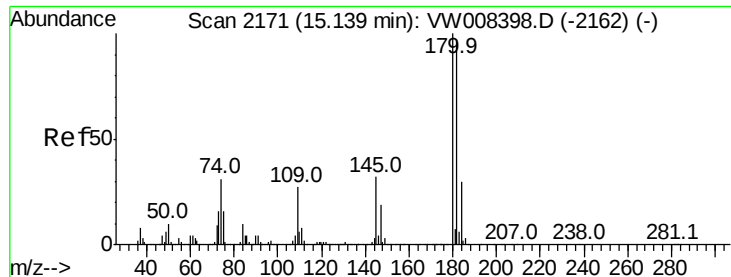


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

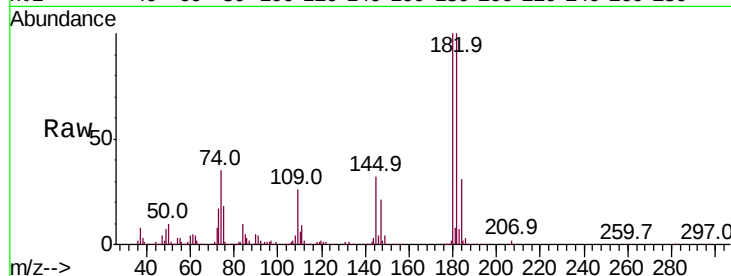




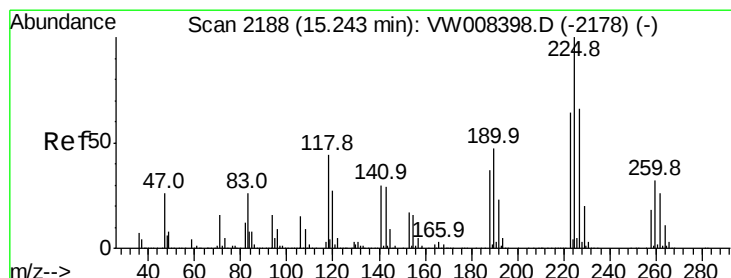
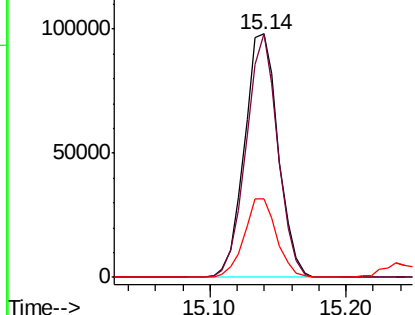
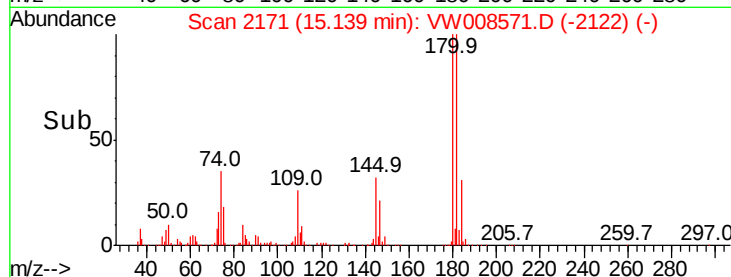
#93
 1,2,4-Trichlorobenzene
 Concen: 19.912 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.9	143.7
145	31.1	15.5	46.5

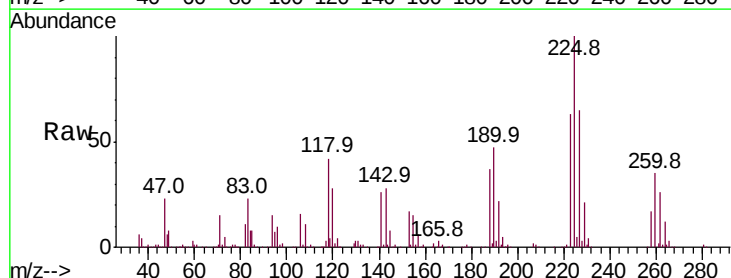


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

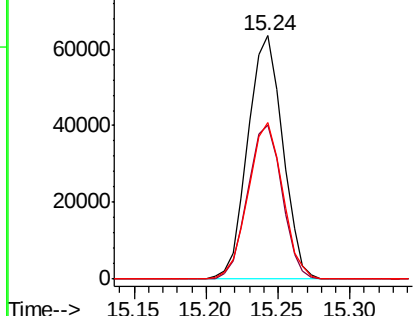
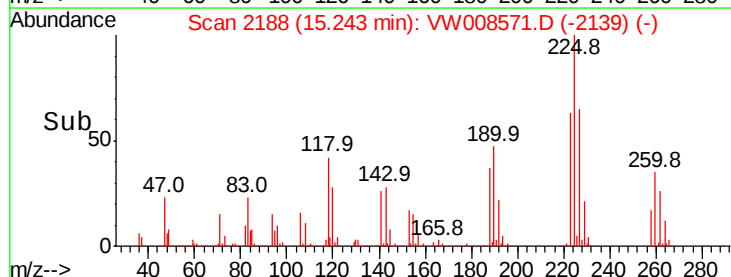


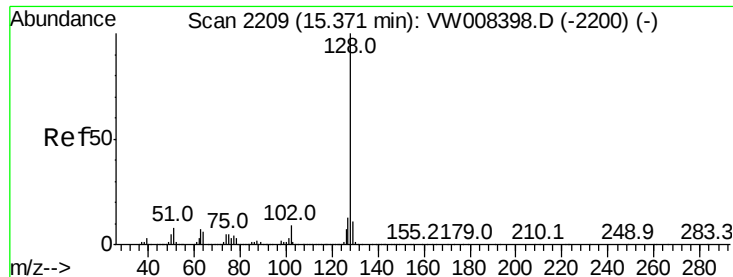
#94
 Hexachlorobutadiene
 Concen: 20.649 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008571.D
 Acq: 08 Feb 2019 13:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.7	95.1
227	63.8	32.1	96.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

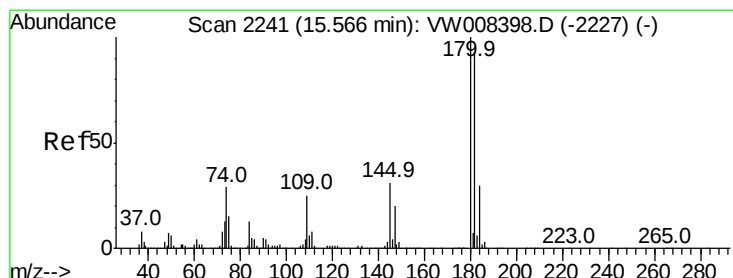
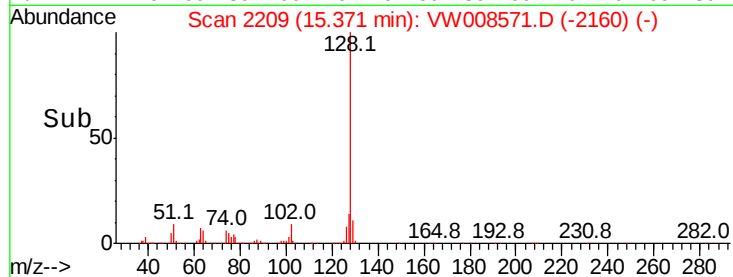
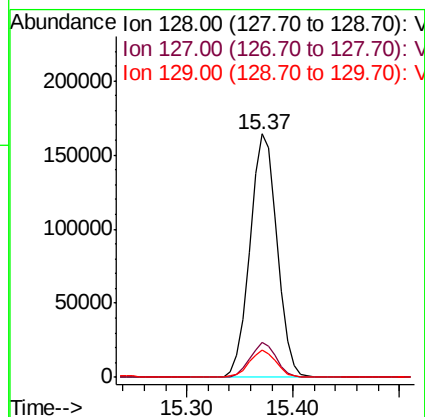
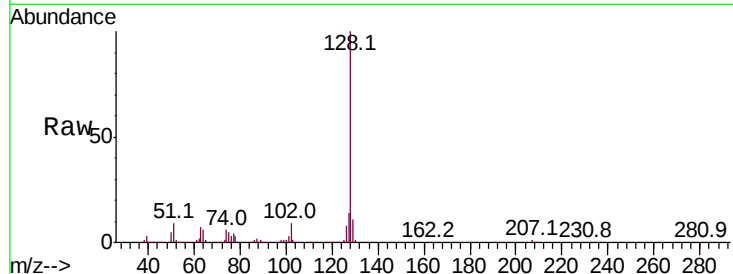




#95
Naphthalene
Concen: 19.632 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.6	15.8
129	11.0	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.504 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008571.D
Acq: 08 Feb 2019 13:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.0	141.2
145	32.6	15.9	47.6

