

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008572.D
 Acq On : 08 Feb 2019 14:21
 Operator : SY/VA
 Sample : VW0208SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

Quant Time: Feb 09 00:25:32 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	543857	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	871991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	807114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	435437	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	335088	62.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.44%	
35) Dibromofluoromethane	7.88	113	289796	56.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.68%	
50) Toluene-d8	10.32	98	1159560	56.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.42%	
62) 4-Bromofluorobenzene	12.62	95	464879	59.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	33114	13.103	ug/l	95
3) Chloromethane	2.21	50	83362	18.778	ug/l	99
4) Vinyl Chloride	2.36	62	108117	19.132	ug/l	99
5) Bromomethane	2.78	94	72868	19.991	ug/l	98
6) Chloroethane	2.92	64	71652	20.732	ug/l	97
7) Trichlorofluoromethane	3.26	101	72958	18.165	ug/l	98
8) Diethyl Ether	3.67	74	59581	21.968	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	93279	18.963	ug/l	98
10) Methyl Iodide	4.26	142	137836	17.741	ug/l	97
11) Tert butyl alcohol	5.17	59	44373	103.154	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	85369	17.149	ug/l	95
13) Acrolein	3.89	56	37424	101.141	ug/l	92
14) Allyl chloride	4.66	41	165226	17.479	ug/l	94
15) Acrylonitrile	5.37	53	119096	101.691	ug/l	100
16) Acetone	4.12	43	121323	101.117	ug/l	98
17) Carbon Disulfide	4.37	76	249994	15.724	ug/l	98
18) Methyl Acetate	4.67	43	63006	19.688	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	176761	21.461	ug/l	97
20) Methylene Chloride	4.90	84	111673	20.194	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	99721	17.818	ug/l	97
22) Diisopropyl ether	6.31	45	339014	18.923	ug/l	97
23) Vinyl Acetate	6.25	43	1034675	97.808	ug/l	100
24) 1,1-Dichloroethane	6.21	63	181910	17.938	ug/l	98
25) 2-Butanone	7.17	43	169725	101.843	ug/l	98
26) 2,2-Dichloropropane	7.17	77	126510	18.456	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	111173	18.227	ug/l	98
28) Bromochloromethane	7.51	49	109001	23.402	ug/l	97
29) Tetrahydrofuran	7.53	42	108840	103.060	ug/l	98
30) Chloroform	7.67	83	182696	18.316	ug/l	99
31) Cyclohexane	7.95	56	178717	17.044	ug/l	89
32) 1,1,1-Trichloroethane	7.87	97	157544	18.287	ug/l	98
36) 1,1-Dichloropropene	8.08	75	146031	17.729	ug/l	99
37) Ethyl Acetate	7.25	43	74878	20.547	ug/l	98
38) Carbon Tetrachloride	8.07	117	144385	17.419	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.34	83	185821	17.173	ug/l	98
40) Benzene	8.32	78	409654	17.923	ug/l	100
41) Methacrylonitrile	7.49	41	38454	17.821	ug/l #	90
42) 1,2-Dichloroethane	8.40	62	131563	19.862	ug/l	98
43) Isopropyl Acetate	8.43	43	153661	20.296	ug/l	99
44) Trichloroethene	9.09	130	108613	17.475	ug/l	100
45) 1,2-Dichloropropane	9.37	63	104912	18.409	ug/l	98
46) Dibromomethane	9.46	93	56342	19.222	ug/l	98
47) Bromodichloromethane	9.65	83	140776	18.157	ug/l	97
48) Methyl methacrylate	9.44	41	72146	19.489	ug/l	93
49) 1,4-Dioxane	9.45	88	18891	381.280	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	394316	105.423	ug/l	99
52) Toluene	10.39	92	276616	18.334	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	155290	18.823	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	170904	18.255	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	79432	19.537	ug/l	99
56) Ethyl methacrylate	10.65	69	110801	19.449	ug/l	97
57) 1,3-Dichloropropane	10.93	76	141158	19.380	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.92	63	300479	108.555	ug/l	100
59) 2-Hexanone	10.97	43	282564	107.011	ug/l	98
60) Dibromochloromethane	11.13	129	94760	18.137	ug/l	98
61) 1,2-Dibromoethane	11.24	107	77149	19.137	ug/l	100
64) Tetrachloroethene	10.86	164	94562	17.304	ug/l	95
65) Chlorobenzene	11.66	112	302012	18.330	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	106578	18.080	ug/l	99
67) Ethyl Benzene	11.73	91	550500	18.177	ug/l	99
68) m/p-Xylenes	11.84	106	422276	35.936	ug/l	99
69) o-Xylene	12.16	106	199731	17.889	ug/l	98
70) Styrene	12.18	104	325368	17.643	ug/l	100
71) Bromoform	12.35	173	58076	17.510	ug/l #	98
73) Isopropylbenzene	12.47	105	557382	17.170	ug/l	100
74) N-amyl acetate	12.27	43	156206	18.678	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	95791	18.638	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	139113	36.746	ug/l #	1
77) Bromobenzene	12.75	156	123845	17.469	ug/l	97
78) n-propylbenzene	12.80	91	684869	17.565	ug/l	98
79) 2-Chlorotoluene	12.90	91	390151	17.733	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	476786	17.572	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	33570	17.514	ug/l	95
82) 4-Chlorotoluene	12.99	91	410031	17.504	ug/l	100
83) tert-Butylbenzene	13.21	119	423017	17.519	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	488663	17.719	ug/l	99
85) sec-Butylbenzene	13.38	105	597360	17.323	ug/l	99
86) p-Isopropyltoluene	13.50	119	530940	17.578	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	253505	17.705	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	256475	18.024	ug/l	98
89) n-Butylbenzene	13.83	91	519344	17.511	ug/l	99
90) Hexachloroethane	14.10	117	98643	16.699	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	228379	18.027	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	18717	19.194	ug/l	89

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Quant Title : SW846 8260
QLast Update : Fri Jan 25 11:07:41 2019
Response via : Initial Calibration

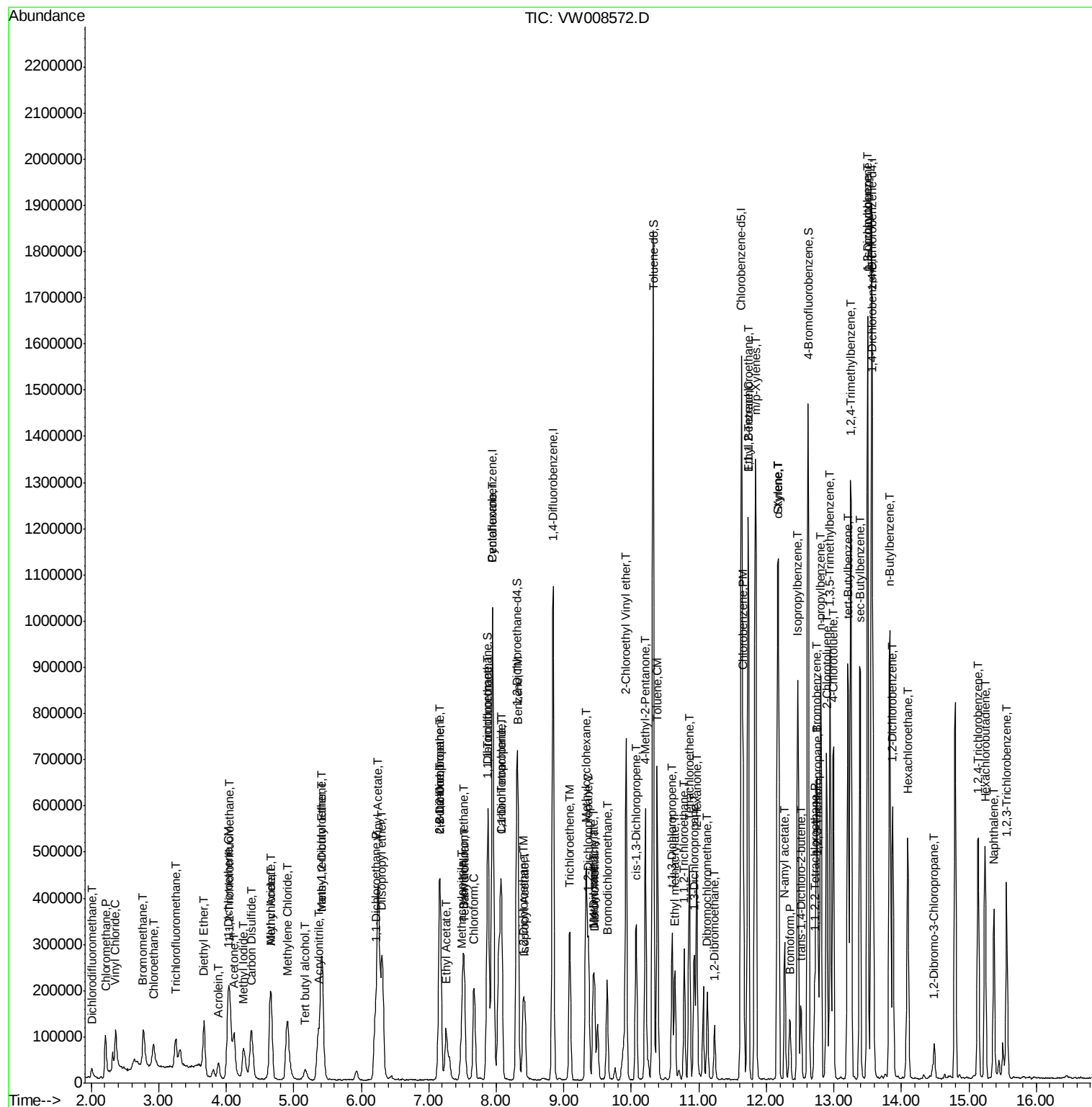
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	162595	17.985	ug/l	98
94) Hexachlorobutadiene	15.24	225	98710	18.117	ug/l	96
95) Naphthalene	15.37	128	304959	19.211	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	140818	18.362	ug/l	99

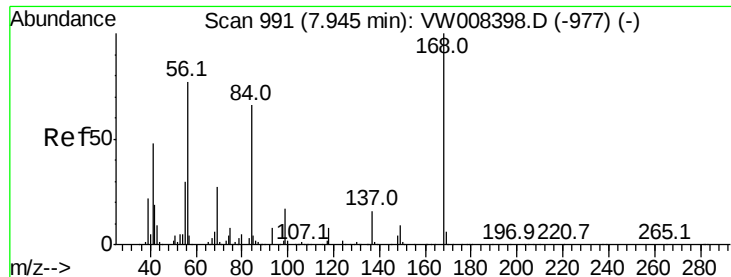
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

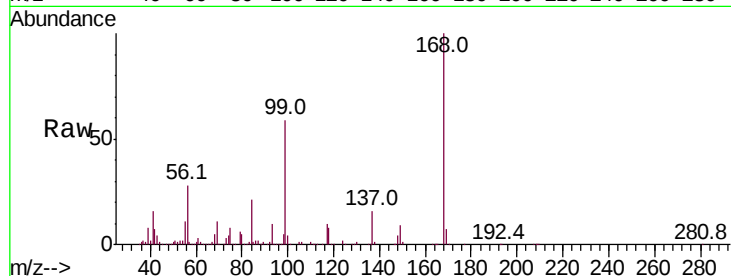
VW0208SBSD01

Tot Ion:168 Resp: 543857

Ion Ratio Lower Upper

168 100

99 58.7 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

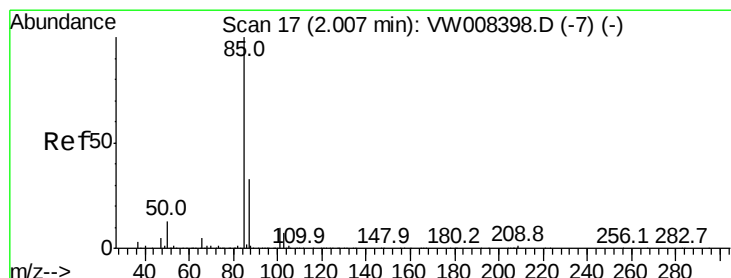
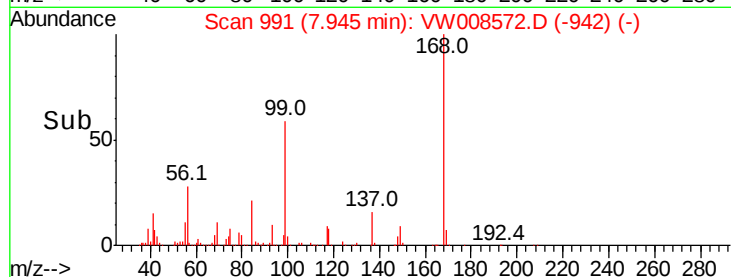
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 13.103 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008572.D

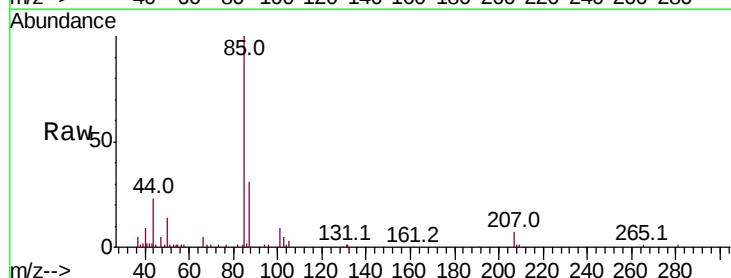
Acq: 08 Feb 2019 14:21

Tgt Ion: 85 Resp: 33114

Ion Ratio Lower Upper

85 100

87 30.6 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

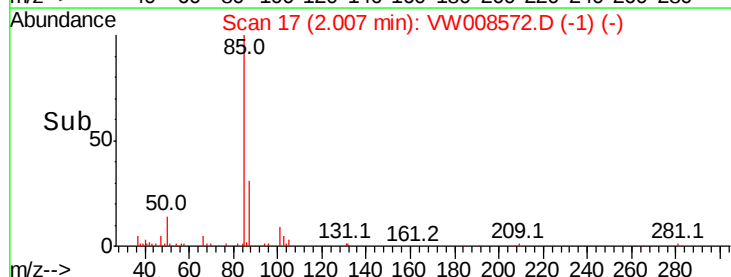
15000

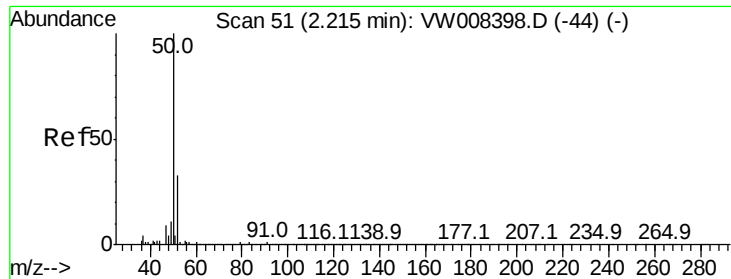
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 18.778 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

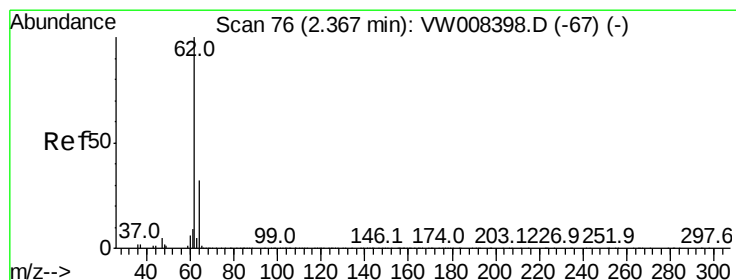
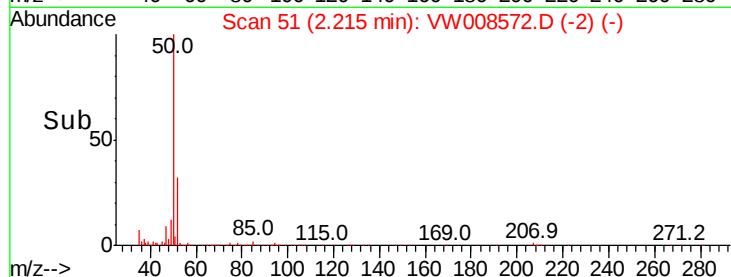
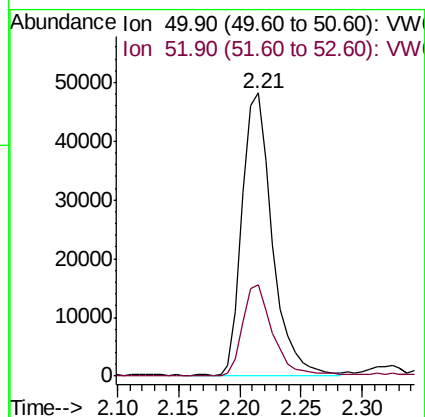
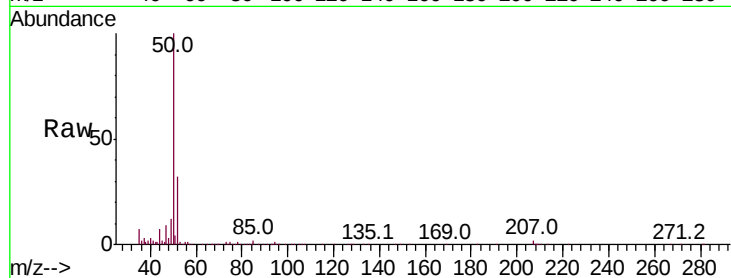
VW0208SBSD01

Tot Ion: 50 Resp: 83362

Ion Ratio Lower Upper

50 100

52 32.4 26.3 39.5



#4

Vinyl Chloride

Concen: 19.132 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008572.D

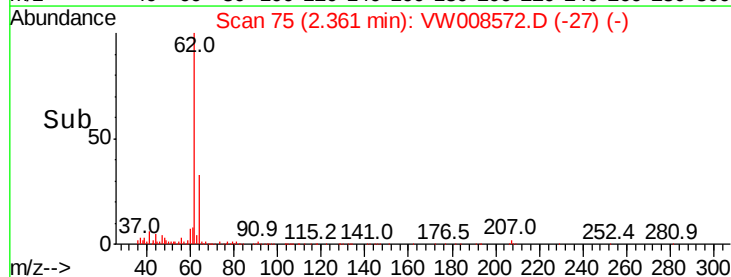
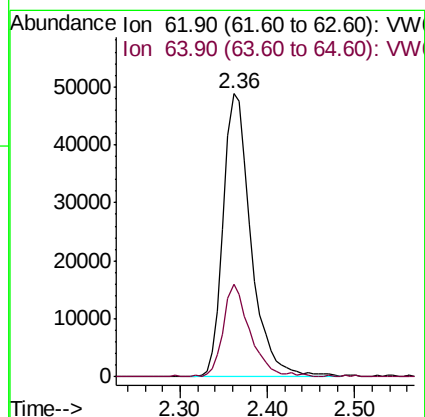
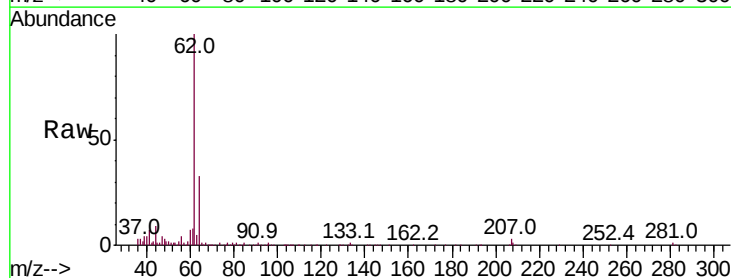
Acq: 08 Feb 2019 14:21

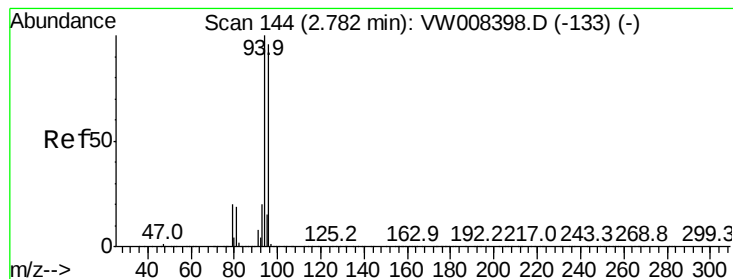
Tgt Ion: 62 Resp: 108117

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 19.991 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

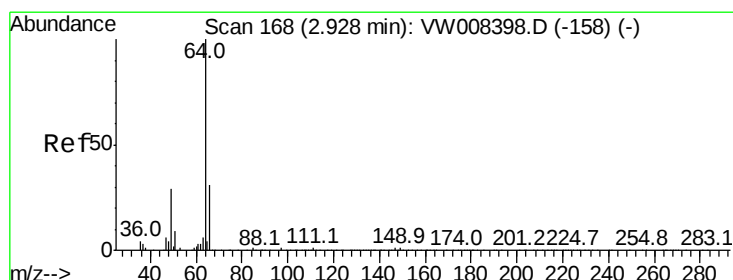
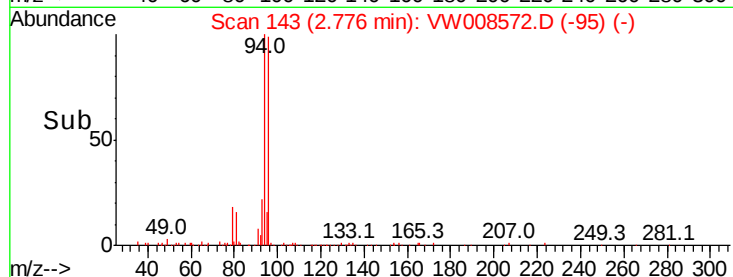
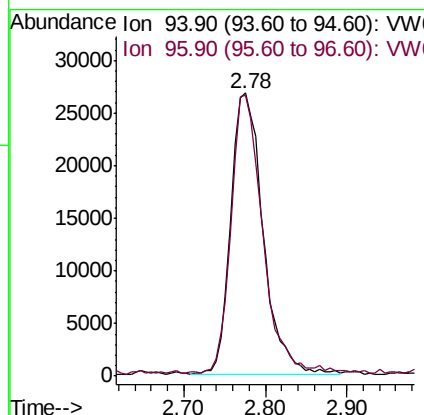
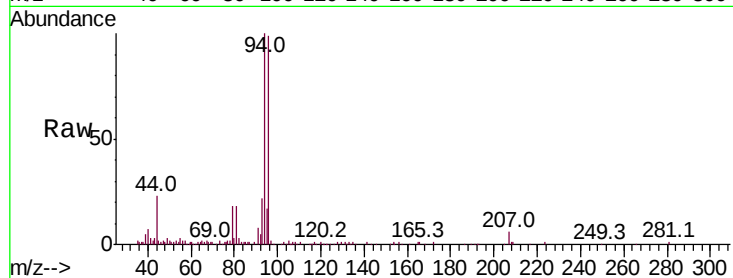
VW0208SBSD01

Tot Ion: 94 Resp: 72868

Ion Ratio Lower Upper

94 100

96 98.4 77.2 115.8



#6

Chloroethane

Concen: 20.732 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW008572.D

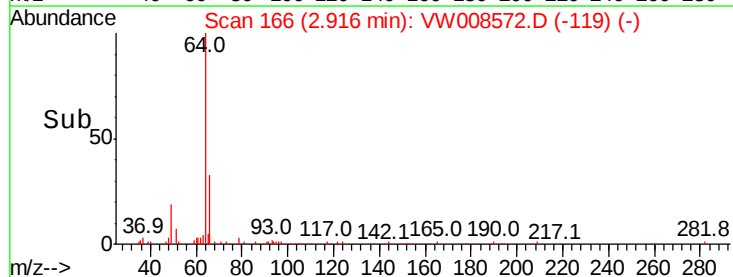
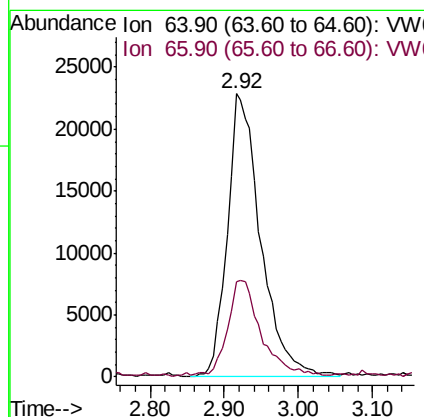
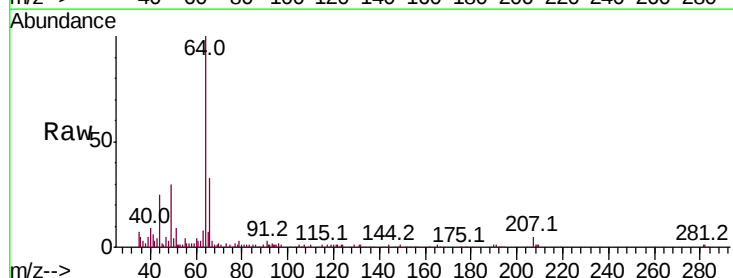
Acq: 08 Feb 2019 14:21

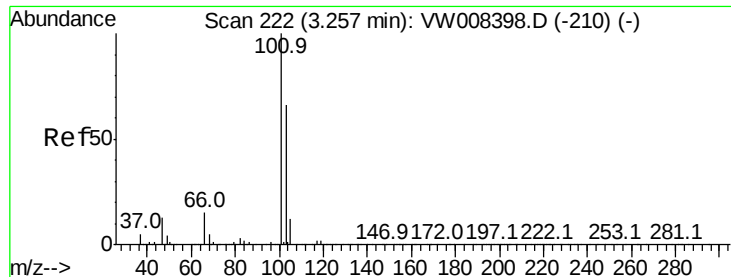
Tgt Ion: 64 Resp: 71652

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3



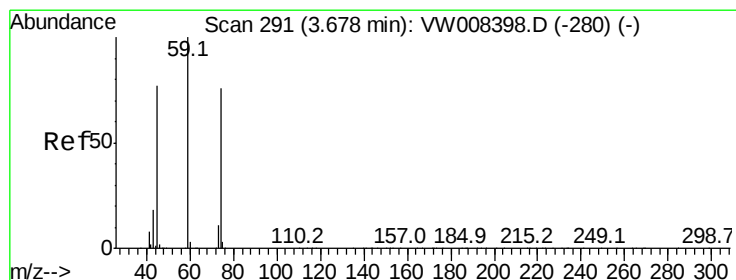
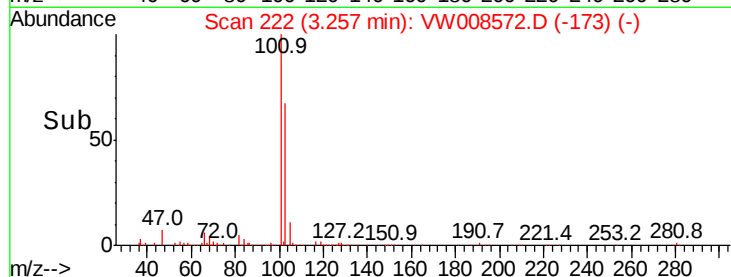
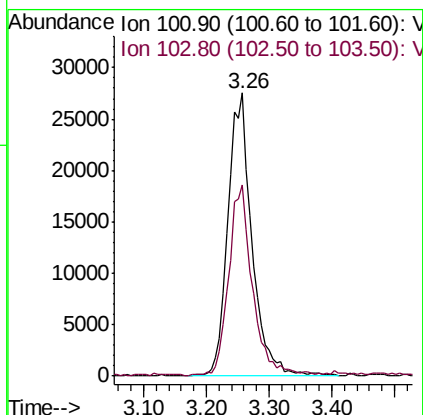
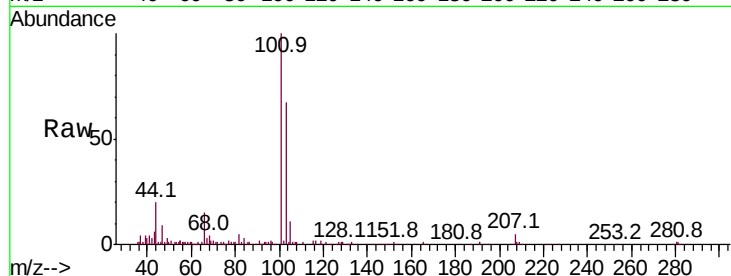


#7

Trichlorofluoromethane
Concen: 18.165 ug/l
RT: 3.26 min Scan# 222
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Instrument :
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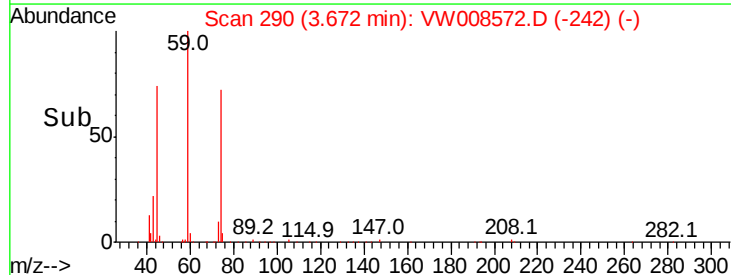
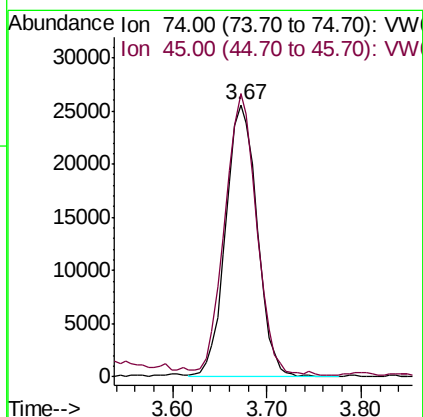
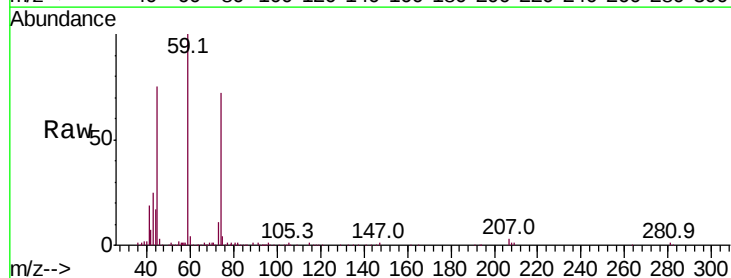
Tot Ion:101 Resp: 72958
Ion Ratio Lower Upper
101 100
103 67.0 52.5 78.7

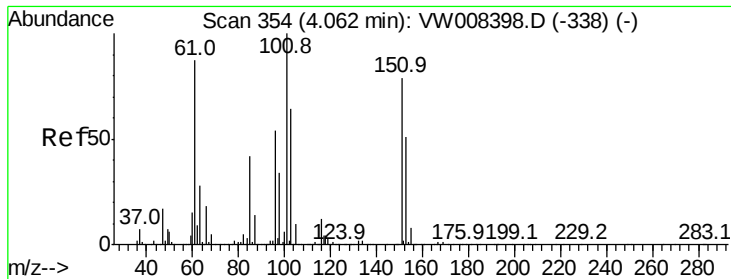


#8

Diethyl Ether
Concen: 21.968 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 74 Resp: 59581
Ion Ratio Lower Upper
74 100
45 102.5 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.963 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

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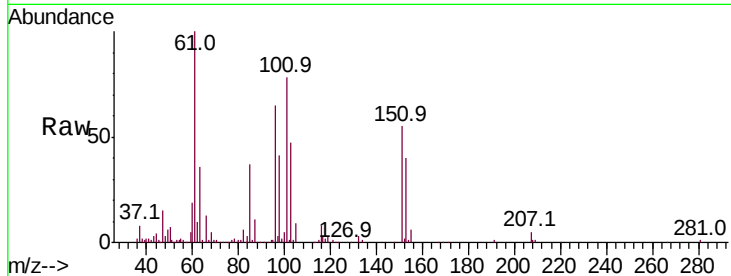
Tot Ion:101 Resp: 93279

Ion Ratio Lower Upper

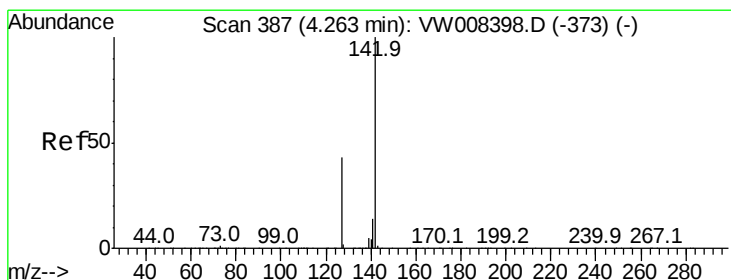
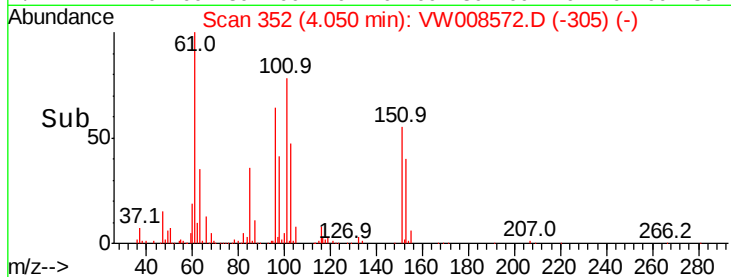
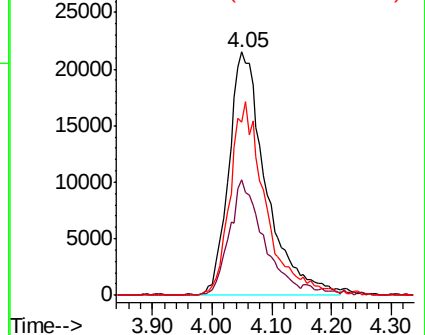
101 100

85 43.2 35.0 52.4

151 75.6 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: 17.741 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

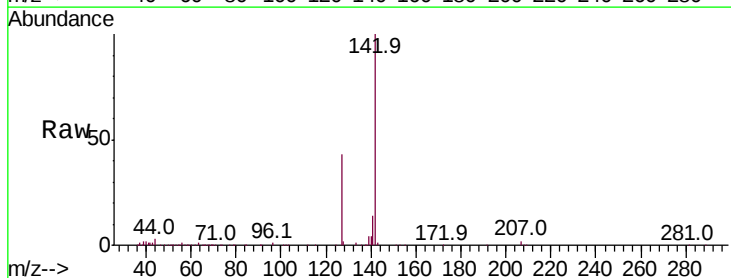
Tgt Ion:142 Resp: 137836

Ion Ratio Lower Upper

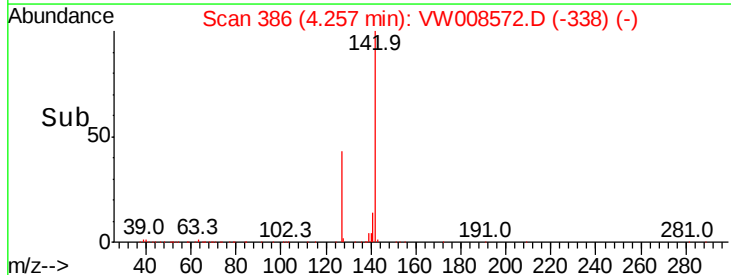
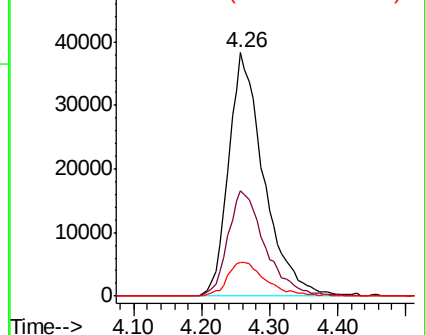
142 100

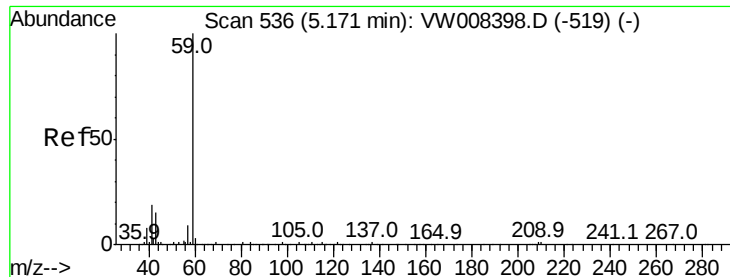
127 45.5 34.6 52.0

141 15.2 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



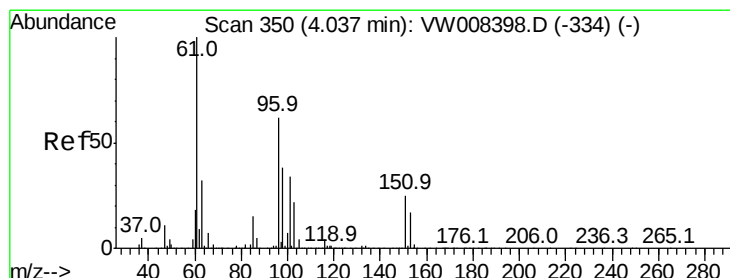
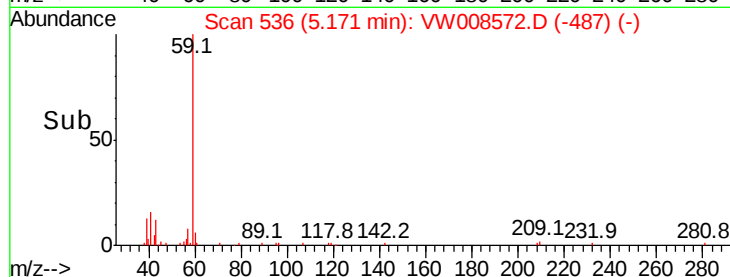
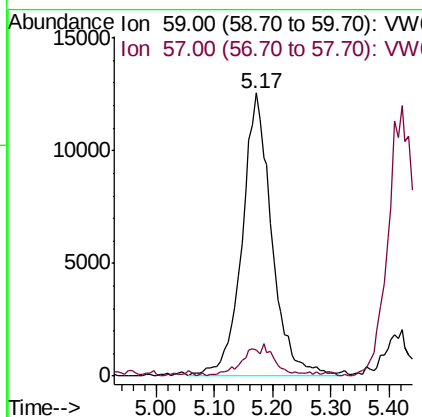
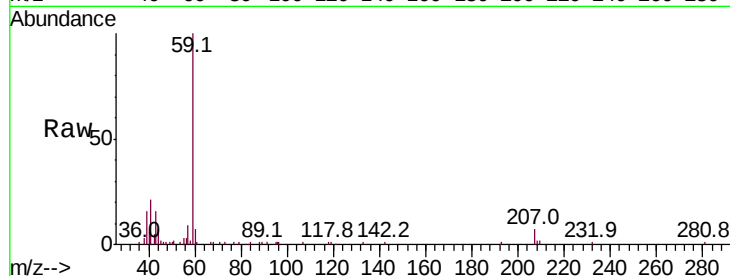


#11

Tert butyl alcohol
 Concen: 103.154 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

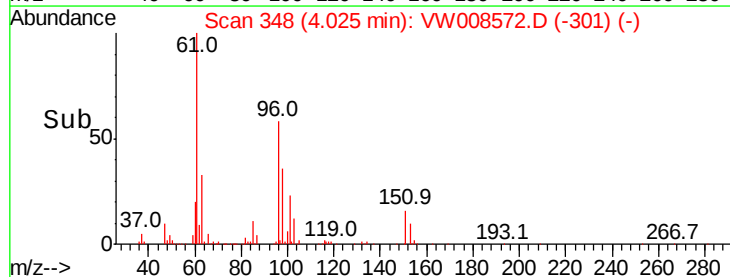
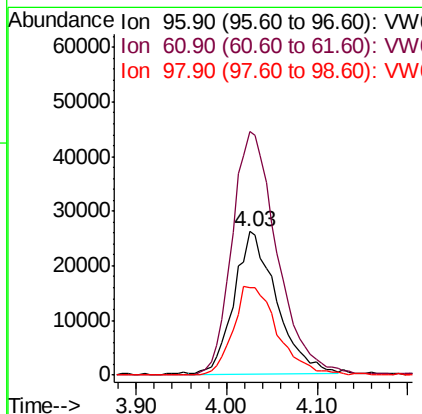
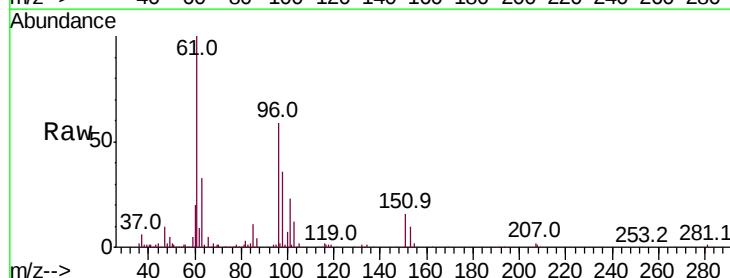
Tot Ion: 59 Resp: 44373
 Ion Ratio Lower Upper
 59 100
 57 6.0 9.3 13.9#

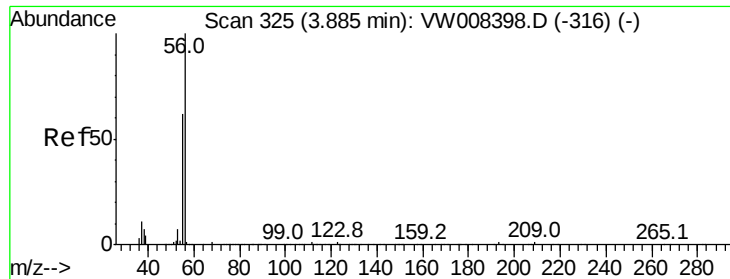


#12

1,1-Dichloroethene
 Concen: 17.149 ug/l
 RT: 4.03 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Tgt Ion: 96 Resp: 85369
 Ion Ratio Lower Upper
 96 100
 61 171.1 129.5 194.3
 98 61.3 48.6 73.0





#13

Acrolein

Concen: 101.141 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

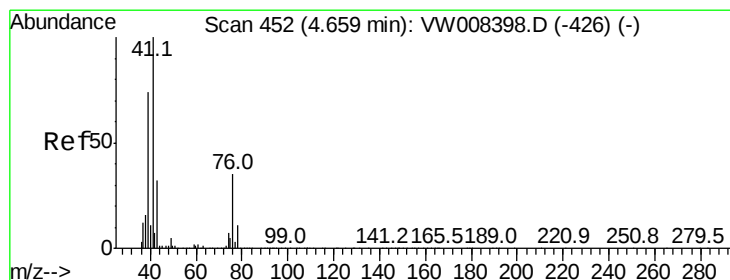
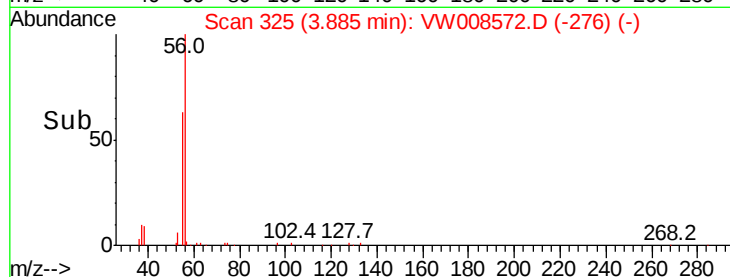
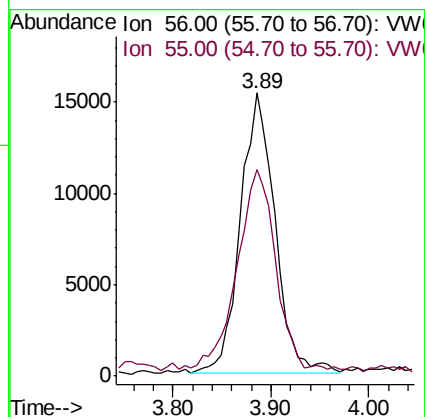
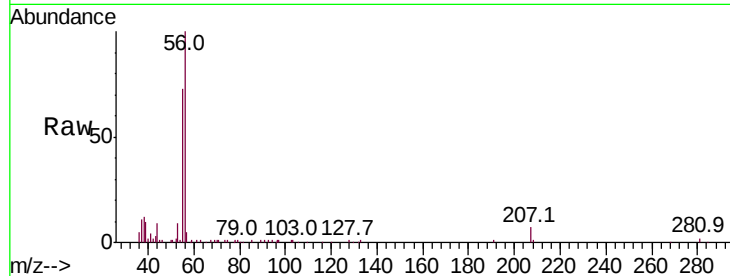
VW0208SBSD01

Tot Ion: 56 Resp: 37424

Ion Ratio Lower Upper

56 100

55 77.4 56.7 85.1



#14

Allyl chloride

Concen: 17.479 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

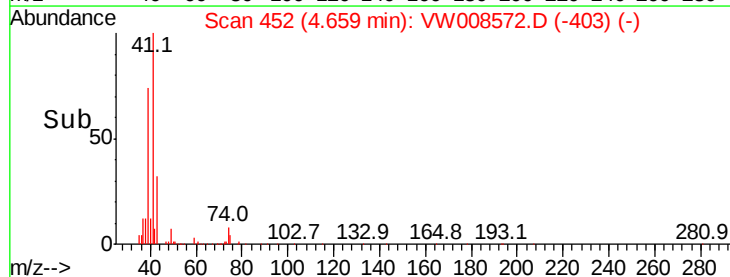
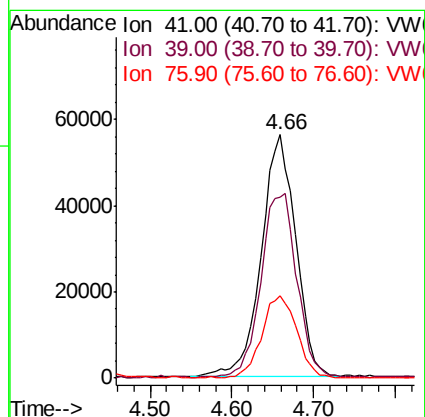
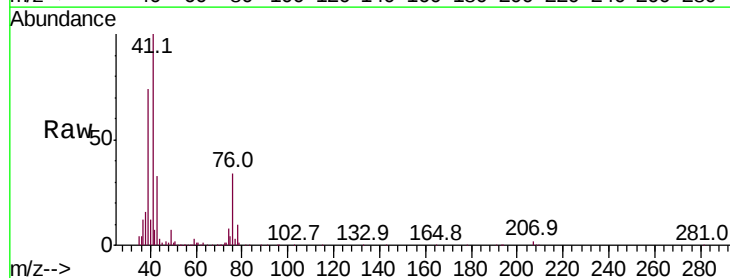
Tgt Ion: 41 Resp: 165226

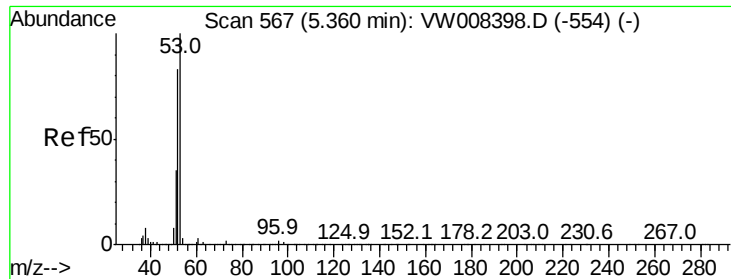
Ion Ratio Lower Upper

41 100

39 79.6 57.7 86.5

76 34.1 26.9 40.3





#15

Acrylonitrile

Concen: 101.691 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

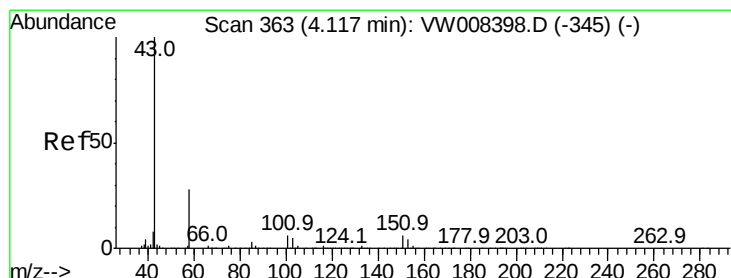
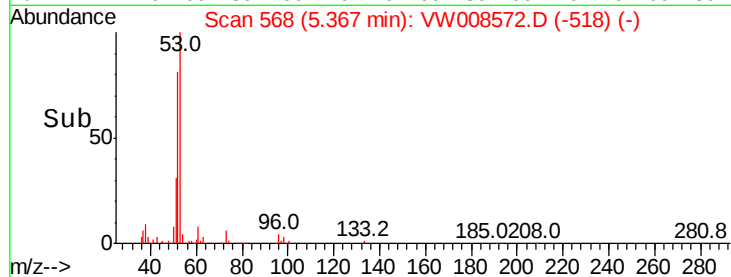
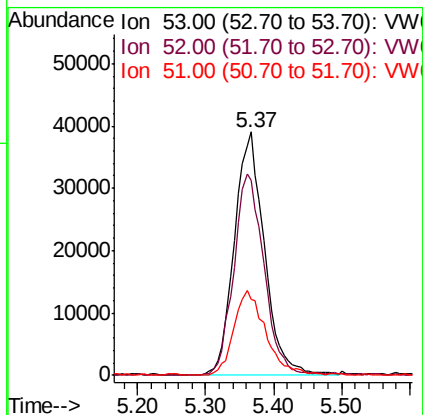
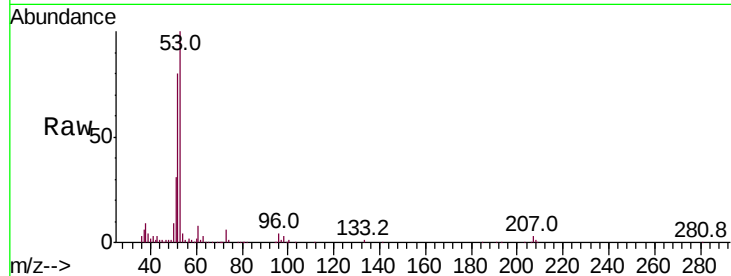
Tot Ion: 53 Resp: 119096

Ion Ratio Lower Upper

53 100

52 83.6 67.0 100.4

51 37.3 29.8 44.8



#16

Acetone

Concen: 101.117 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW008572.D

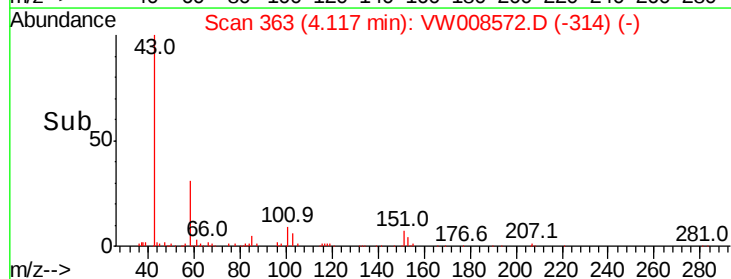
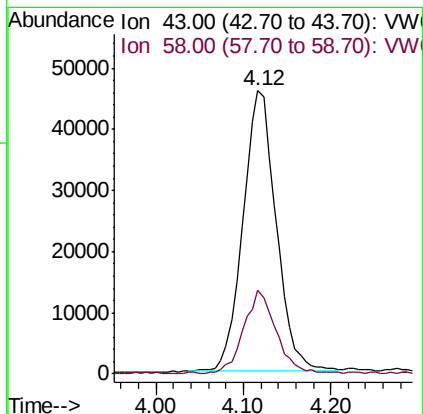
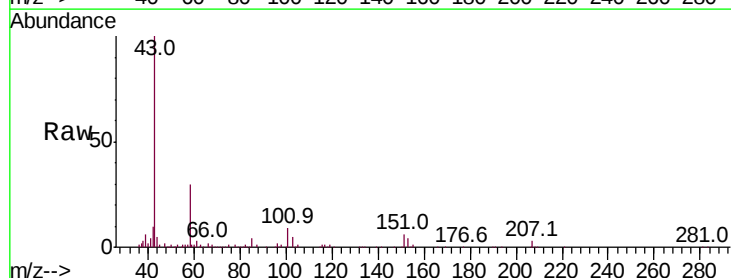
Acq: 08 Feb 2019 14:21

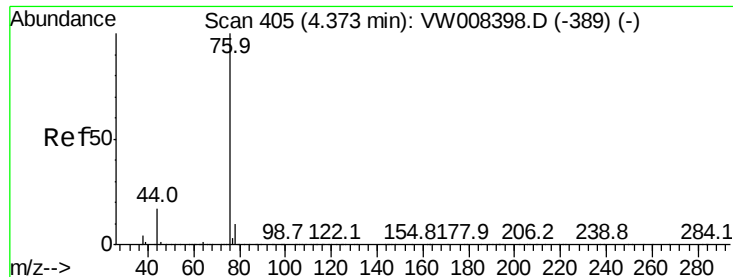
Tgt Ion: 43 Resp: 121323

Ion Ratio Lower Upper

43 100

58 29.4 22.6 34.0





#17

Carbon Disulfide

Concen: 15.724 ug/l

RT: 4.37 min Scan# 404

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

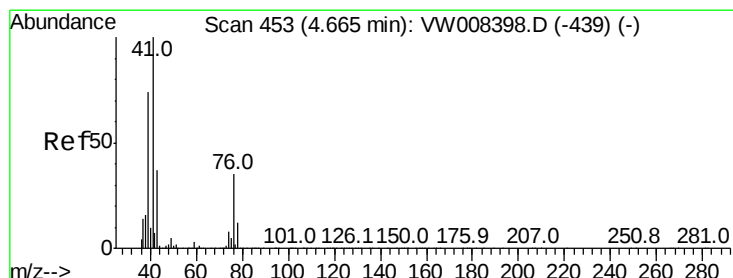
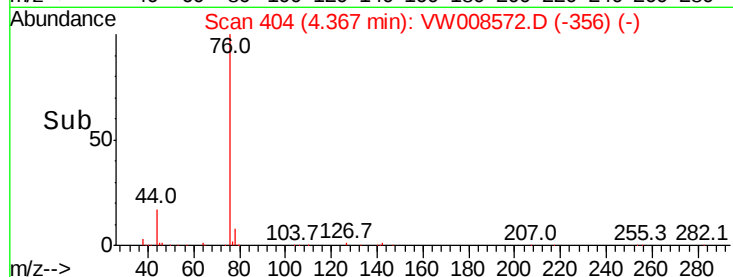
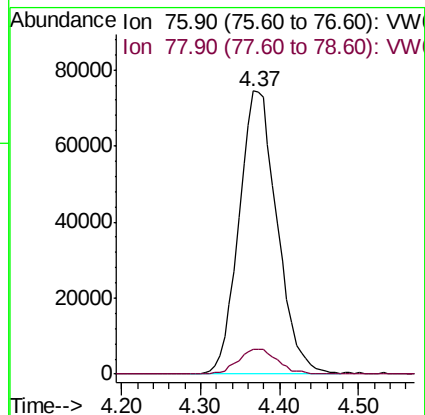
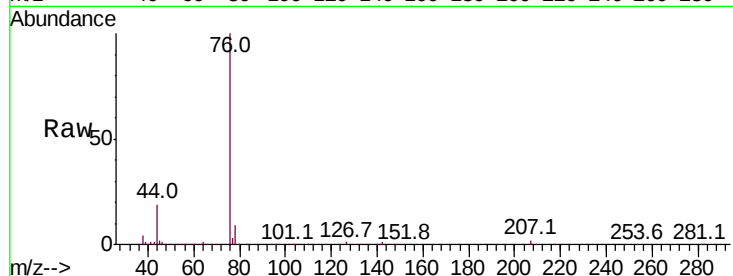
VW0208SBSD01

Tot Ion: 76 Resp: 249994

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5



#18

Methyl Acetate

Concen: 19.688 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008572.D

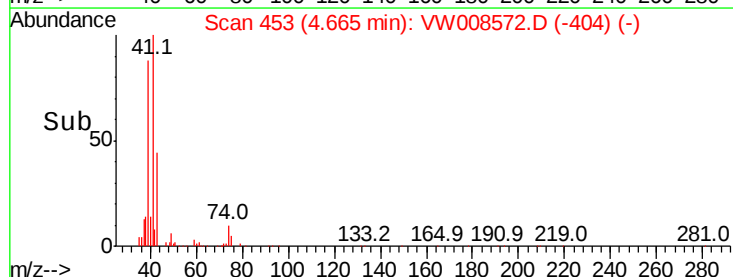
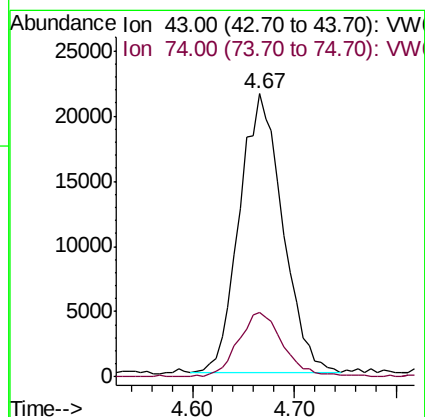
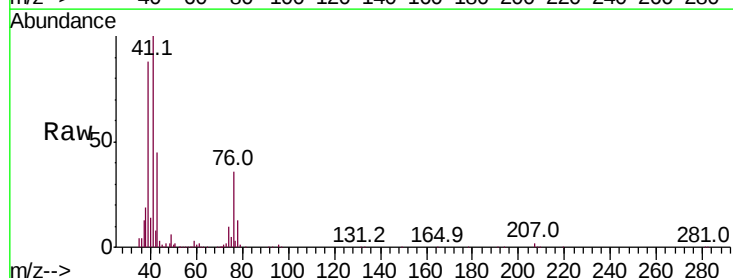
Acq: 08 Feb 2019 14:21

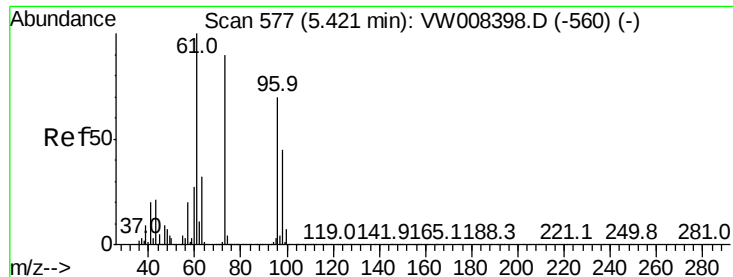
Tgt Ion: 43 Resp: 63006

Ion Ratio Lower Upper

43 100

74 24.1 17.5 26.3





#19

Methyl tert-butyl Ether

Concen: 21.461 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

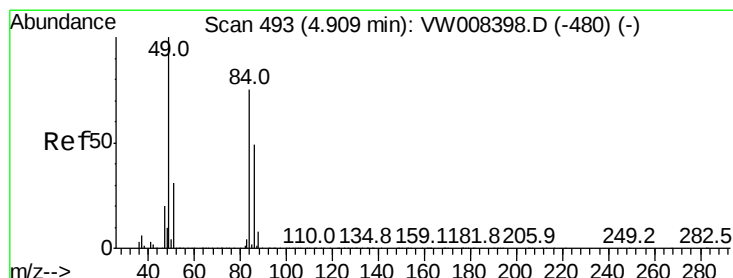
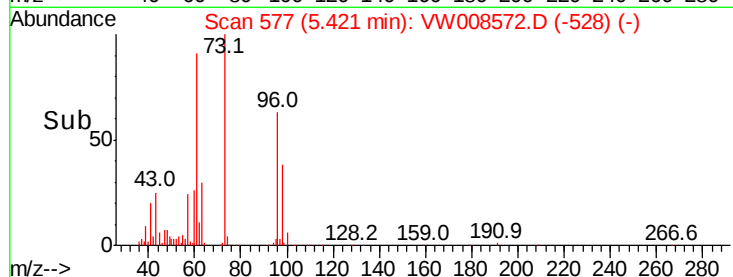
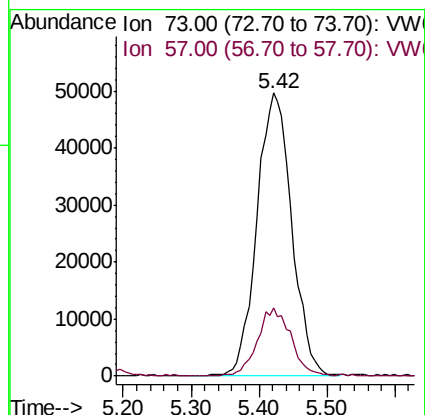
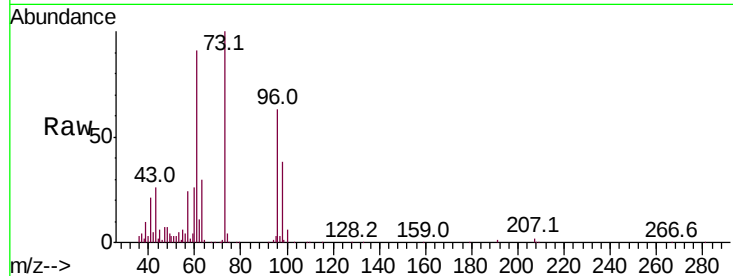
Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion: 73 Resp: 176761

Ion	Ratio	Lower	Upper
73	100		
57	23.8	18.0	27.0



#20

Methylene Chloride

Concen: 20.194 ug/l

RT: 4.90 min Scan# 492

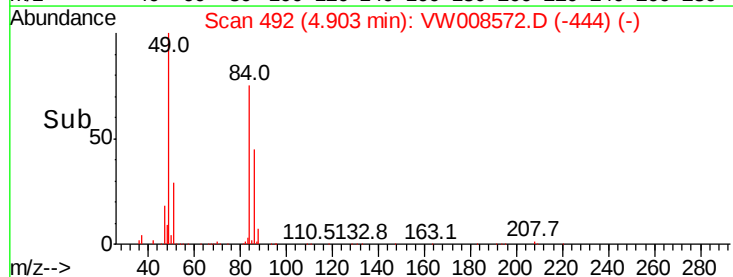
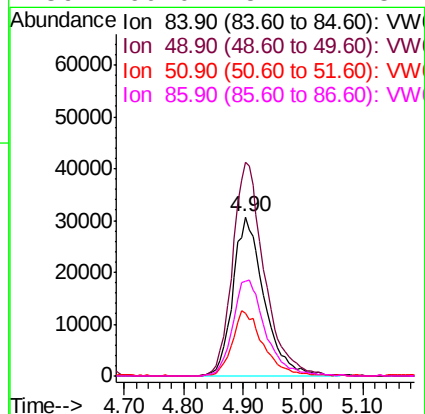
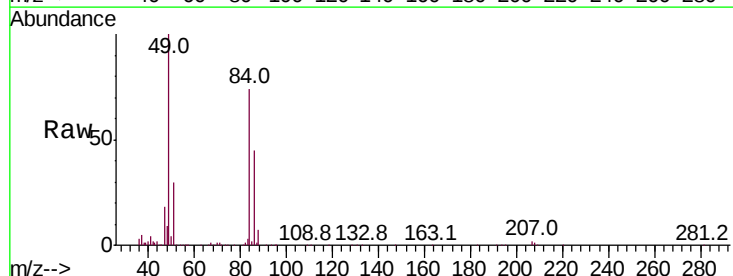
Delta R.T. -0.01 min

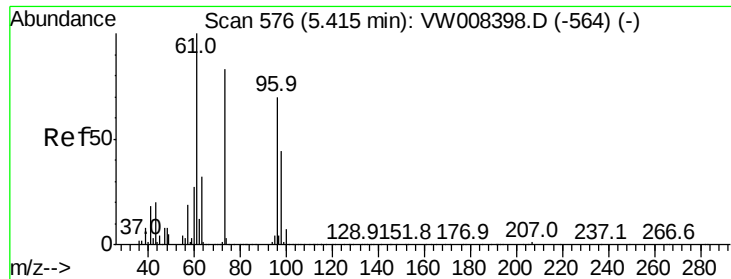
Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Tgt Ion: 84 Resp: 111673

Ion	Ratio	Lower	Upper
84	100		
49	134.4	106.8	160.2
51	39.7	32.9	49.3
86	60.0	52.2	78.2

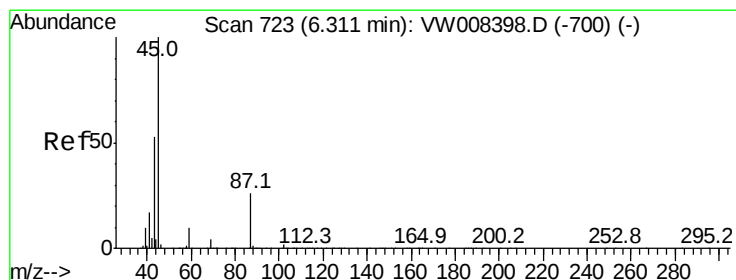
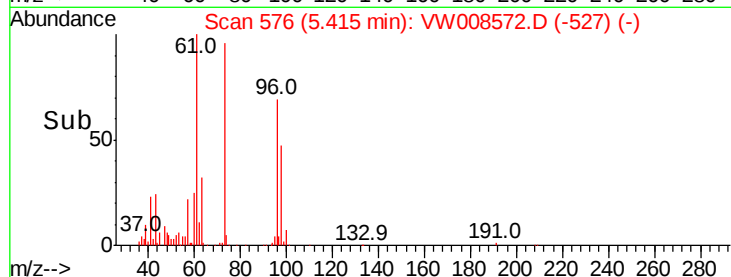
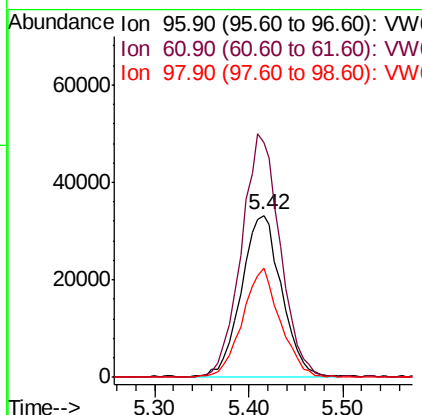
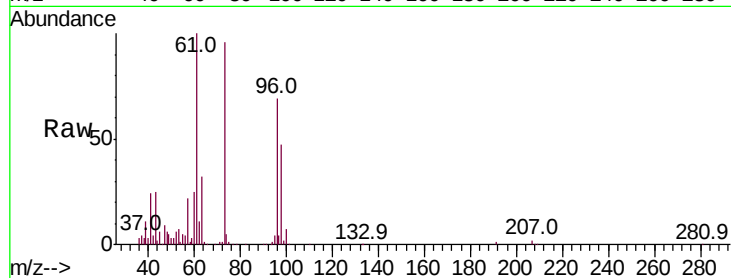




#21
trans-1,2-Dichloroethene
Concen: 17.818 ug/l
RT: 5.42 min Scan# 576
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

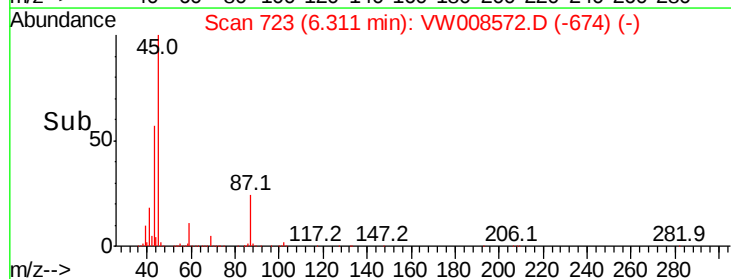
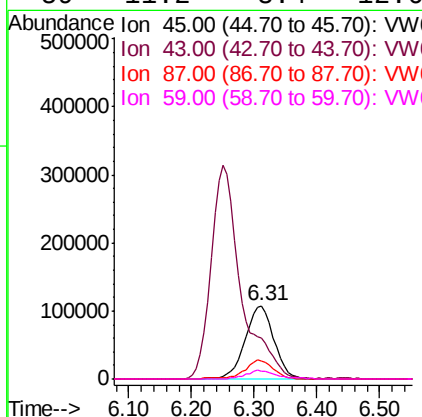
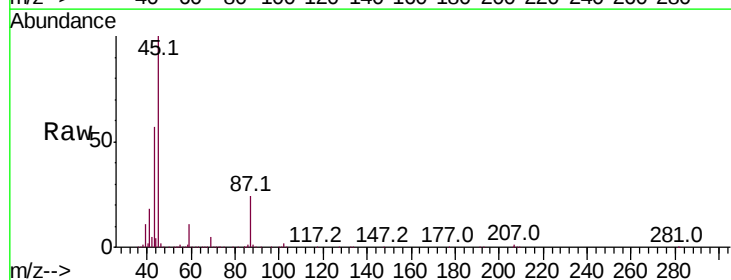
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

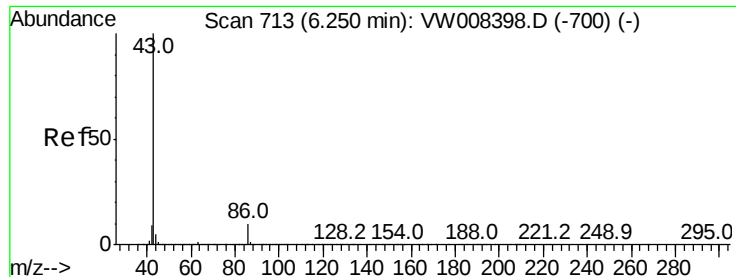
Tot Ion: 96 Resp: 99721
Ion Ratio Lower Upper
96 100
61 145.3 114.4 171.6
98 67.6 50.6 75.8



#22
Diisopropyl ether
Concen: 18.923 ug/l
RT: 6.31 min Scan# 723
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 45 Resp: 339014
Ion Ratio Lower Upper
45 100
43 55.4 42.6 63.8
87 24.1 20.3 30.5
59 11.2 8.4 12.6





#23

Vinyl Acetate

Concen: 97.808 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

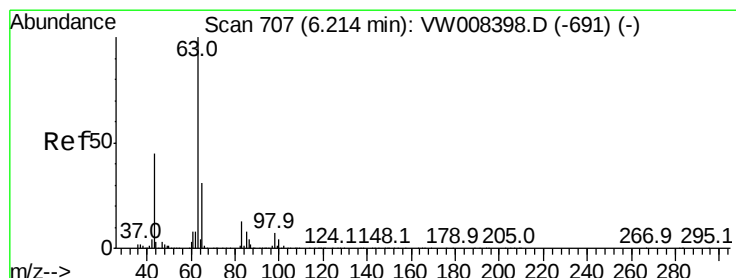
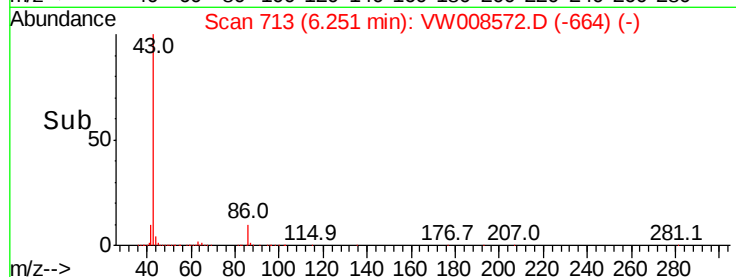
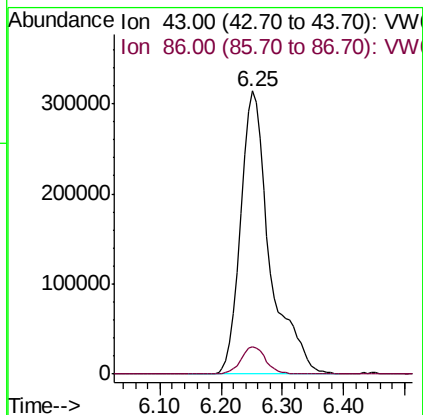
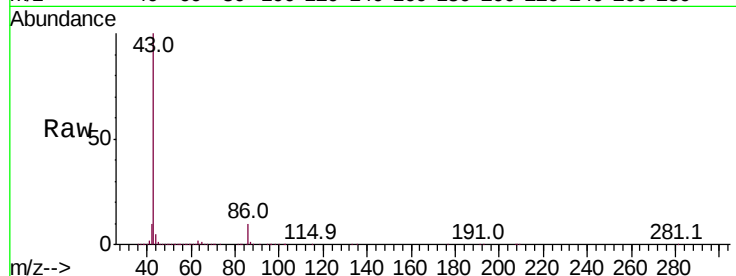
VW0208SBSD01

Tot Ion: 43 Resp: 1034675

Ion Ratio Lower Upper

43 100

86 9.6 7.8 11.8



#24

1,1-Dichloroethane

Concen: 17.938 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

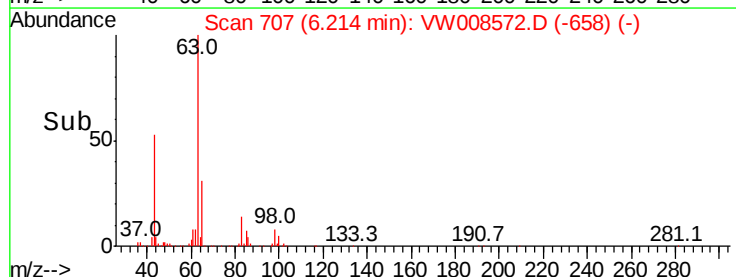
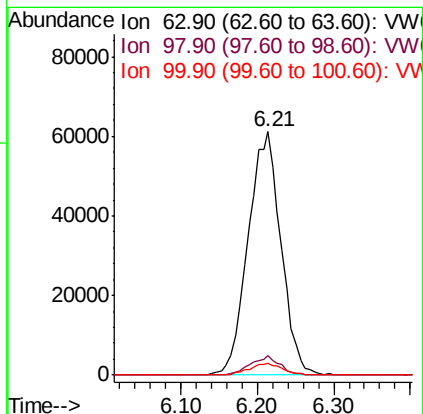
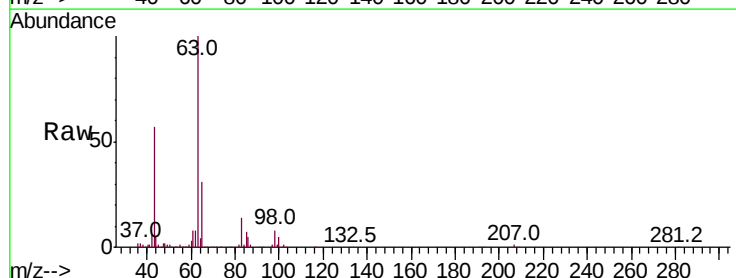
Tgt Ion: 63 Resp: 181910

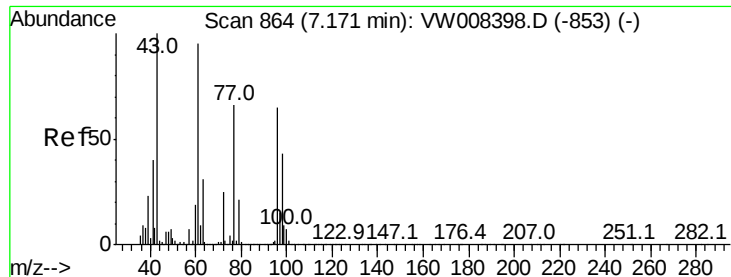
Ion Ratio Lower Upper

63 100

98 7.9 3.5 10.5

100 4.8 2.1 6.2





#25

2-Butanone

Concen: 101.843 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

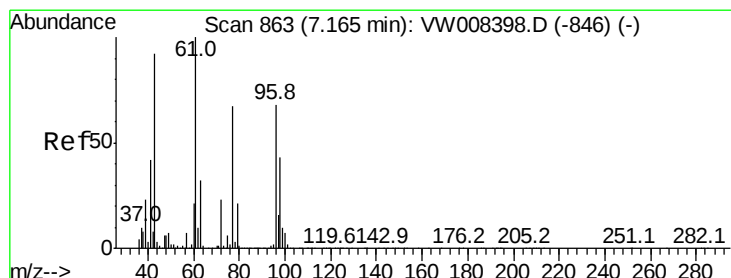
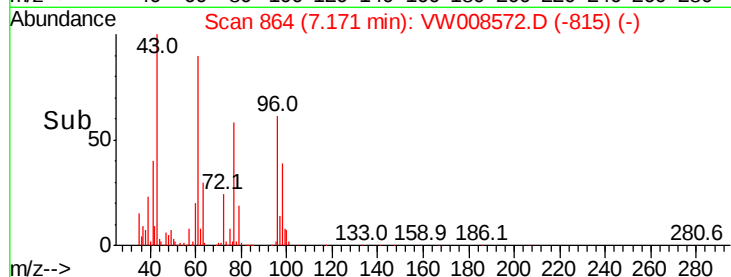
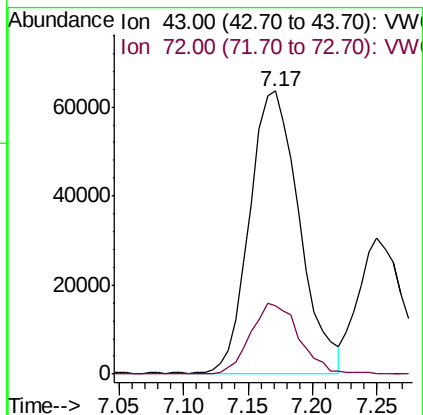
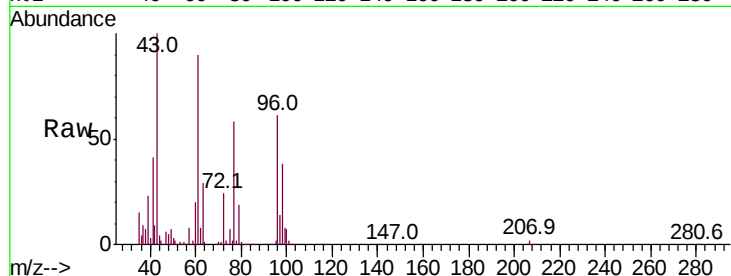
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion: 43 Resp: 169725

Ion Ratio Lower Upper

43 100

72 24.3 20.1 30.1



#26

2,2-Dichloropropane

Concen: 18.456 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW008572.D

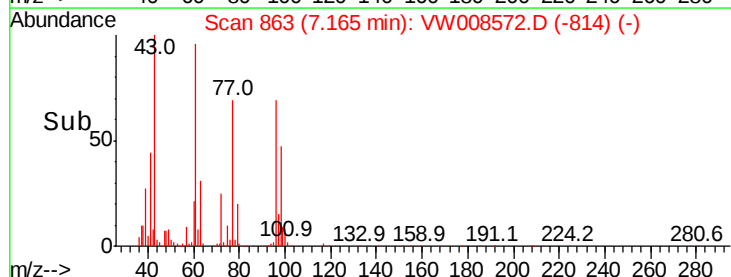
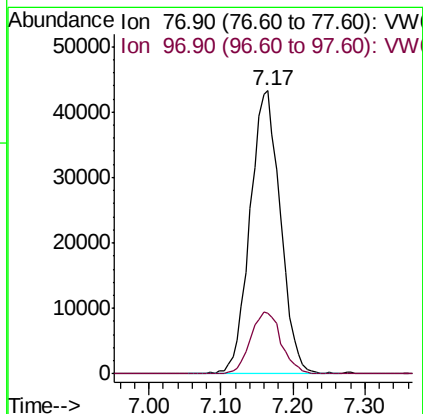
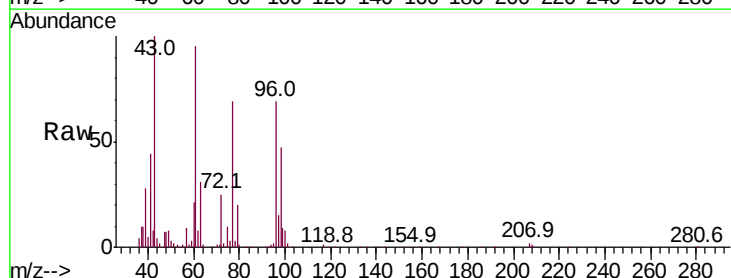
Acq: 08 Feb 2019 14:21

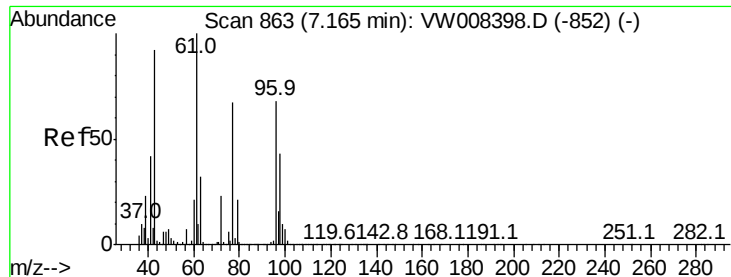
Tgt Ion: 77 Resp: 126510

Ion Ratio Lower Upper

77 100

97 22.1 11.5 34.5



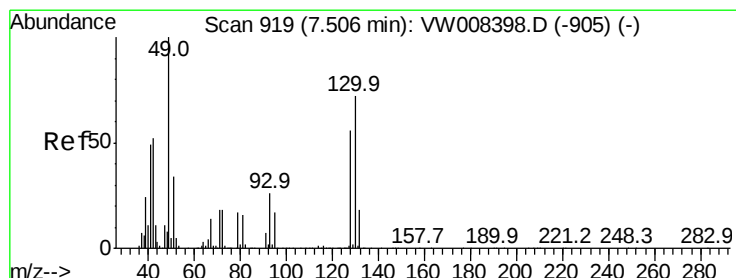
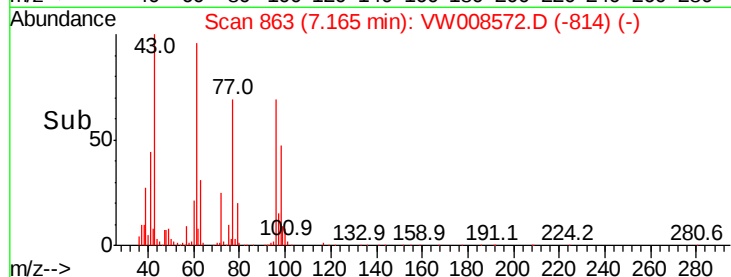
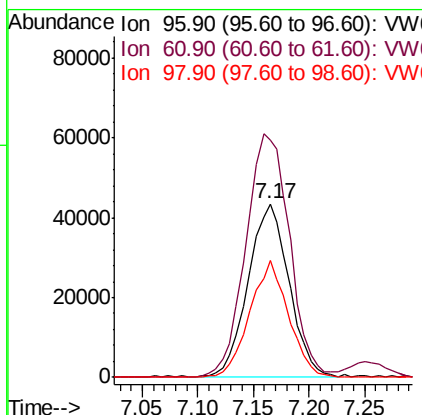
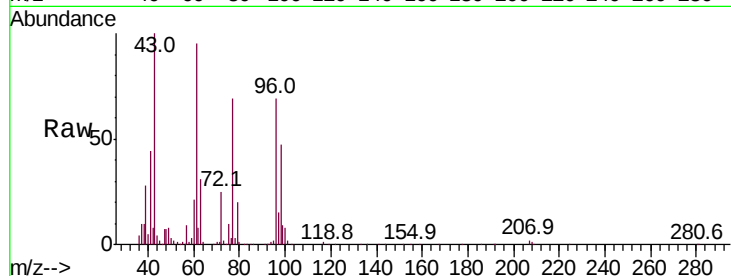


#27

cis-1,2-Dichloroethene
 Concen: 18.227 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

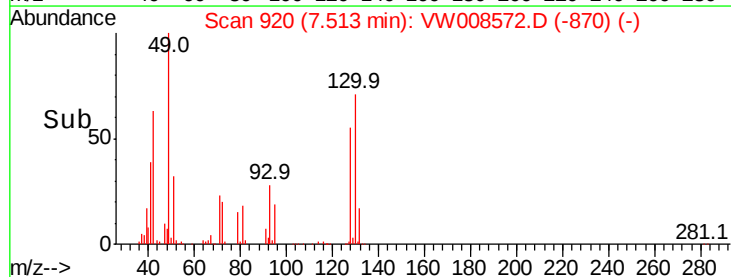
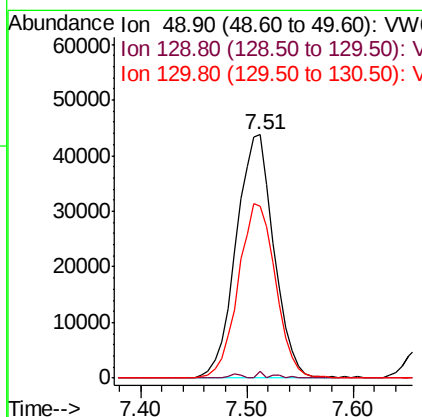
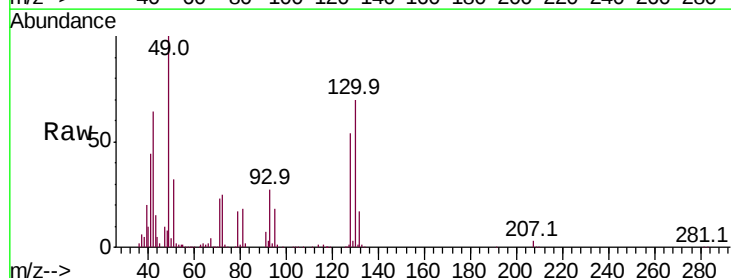
Tot Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	292.8
98	64.2	0.0	129.2

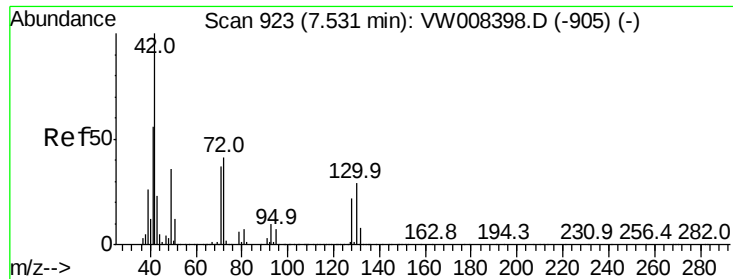


#28

Bromochloromethane
 Concen: 23.402 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	70.8	58.6	87.8





#29

Tetrahydrofuran

Concen: 103.060 ug/l

RT: 7.53 min Scan# 923

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

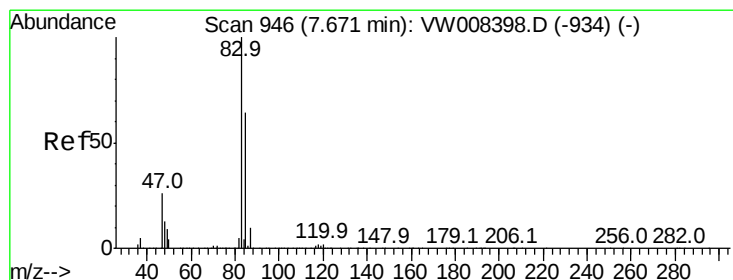
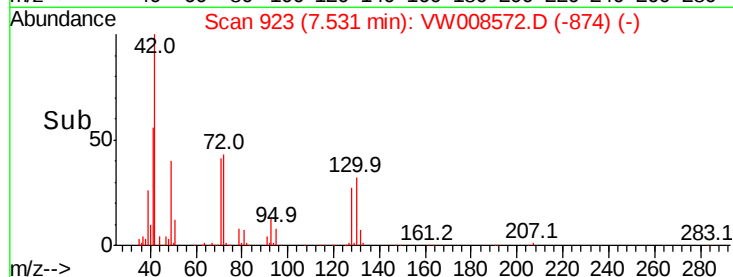
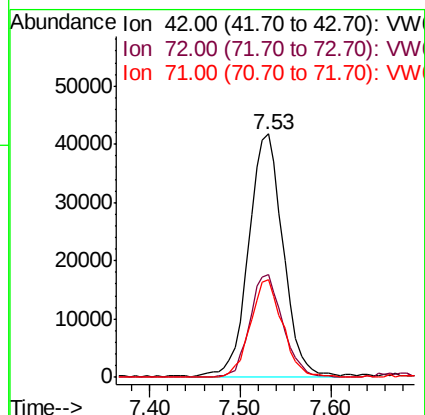
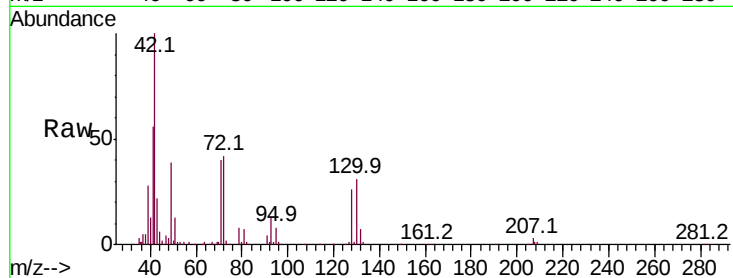
Tot Ion: 42 Resp: 108840

Ion Ratio Lower Upper

42 100

72 41.2 31.9 47.9

71 38.3 29.9 44.9



#30

Chloroform

Concen: 18.316 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW008572.D

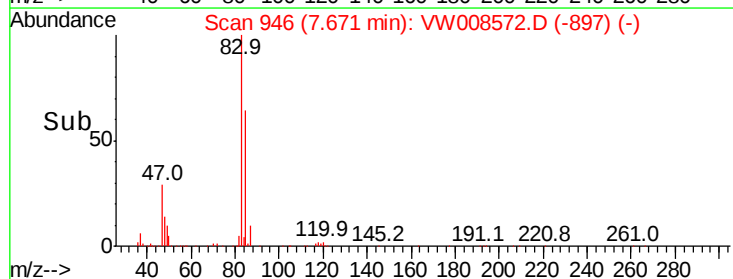
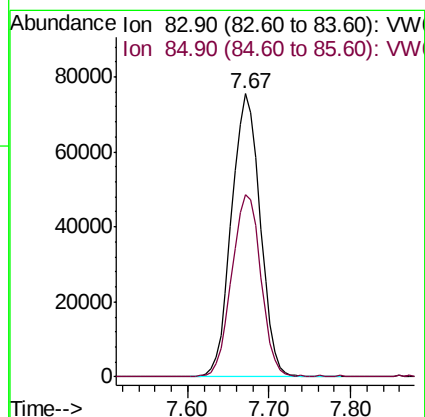
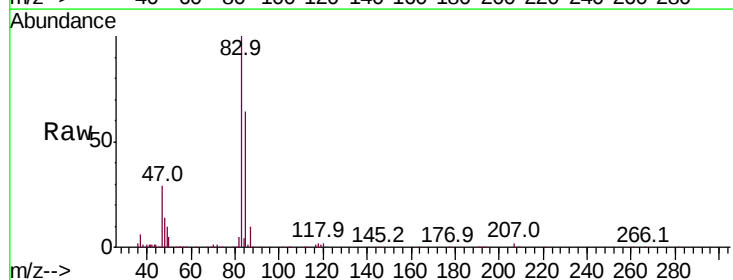
Acq: 08 Feb 2019 14:21

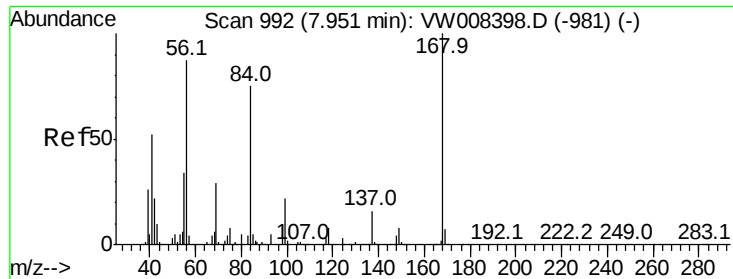
Tgt Ion: 83 Resp: 182696

Ion Ratio Lower Upper

83 100

85 64.5 50.9 76.3

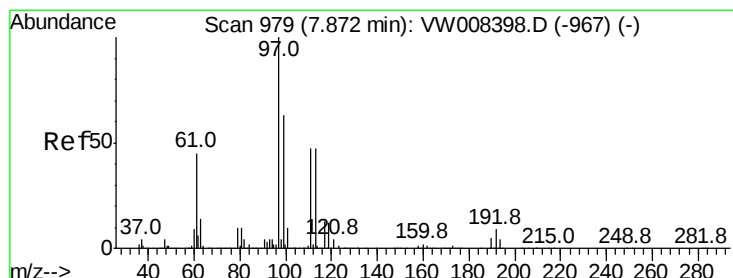
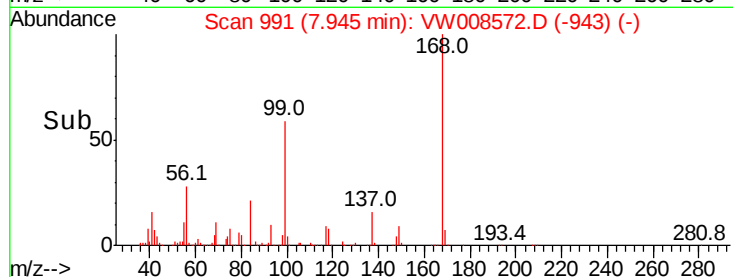
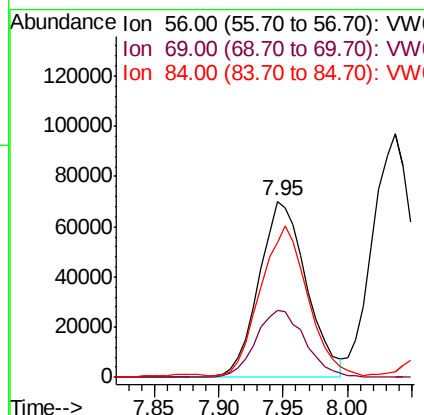
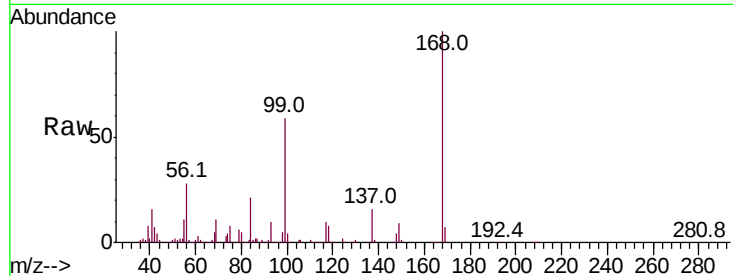




#31
Cyclohexane
Concen: 17.044 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

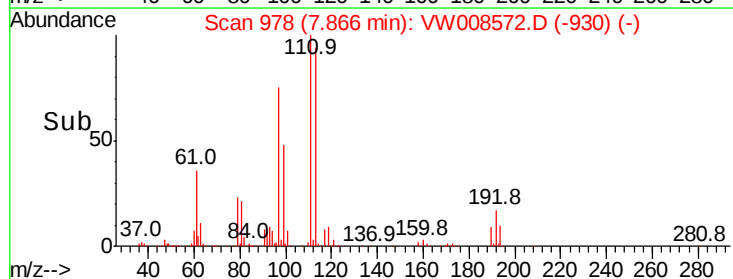
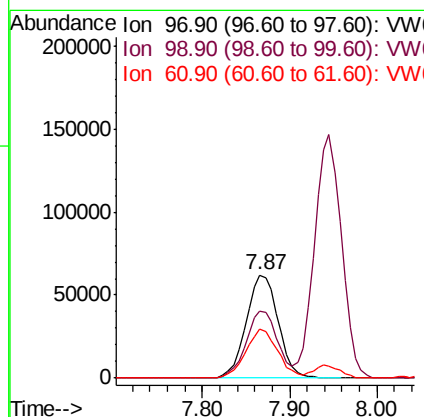
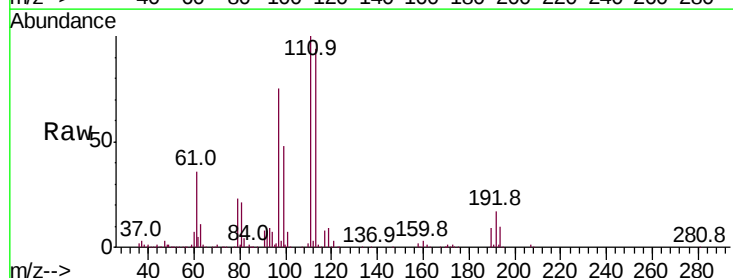
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

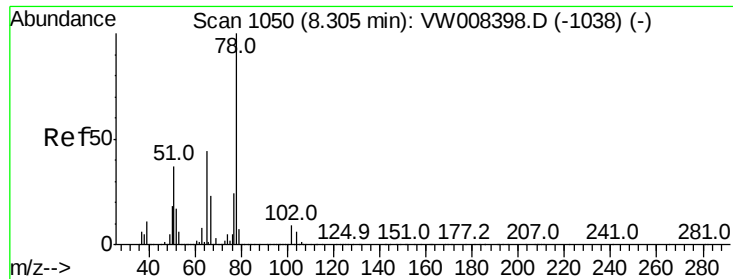
Tot Ion: 56 Resp: 178717
Ion Ratio Lower Upper
56 100
69 38.1 26.4 39.6
84 74.9 69.1 103.7



#32
1,1,1-Trichloroethane
Concen: 18.287 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 97 Resp: 157544
Ion Ratio Lower Upper
97 100
99 63.8 51.3 76.9
61 47.8 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 62.717 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

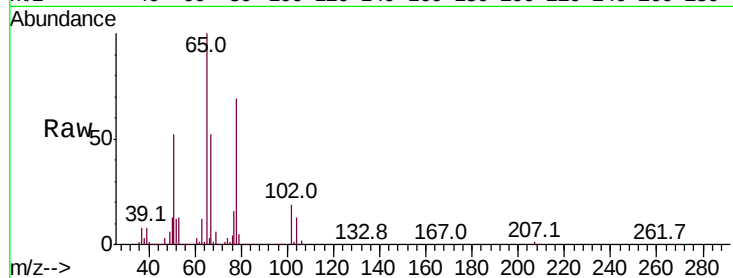
VW0208SBSD01

Tot Ion: 65 Resp: 335088

Ion Ratio Lower Upper

65 100

67 50.9 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

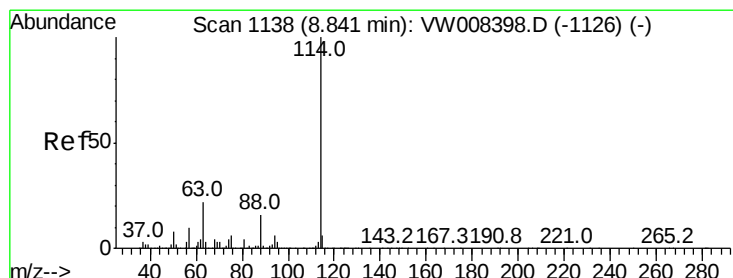
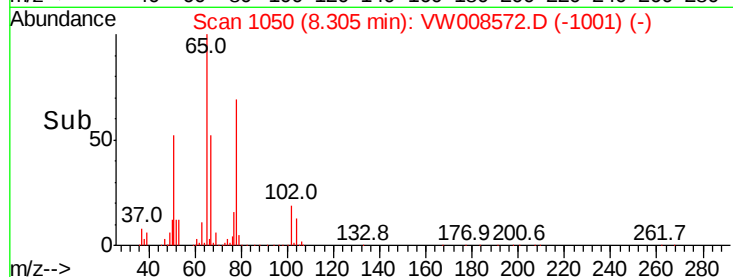
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

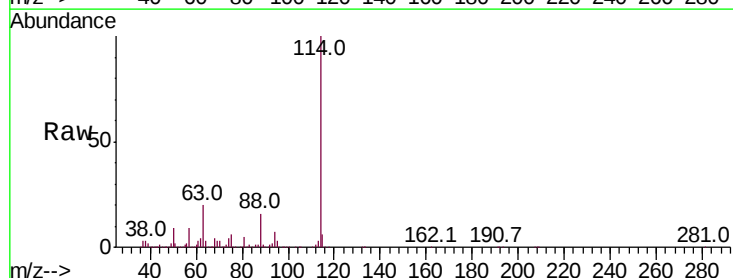
Tgt Ion: 114 Resp: 871991

Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.6

88 16.4 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

600000

500000

400000

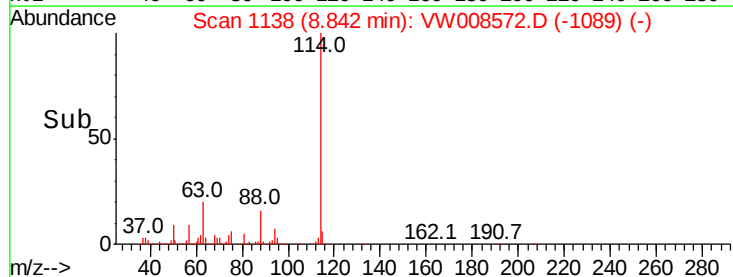
300000

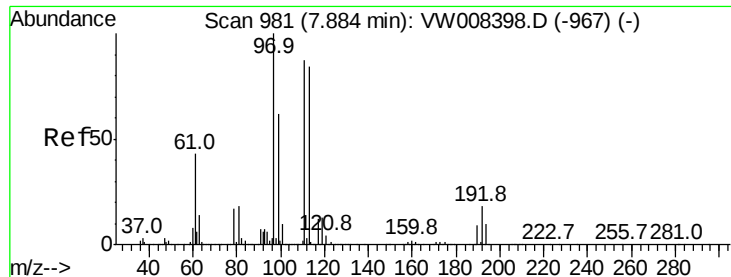
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 56.836 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

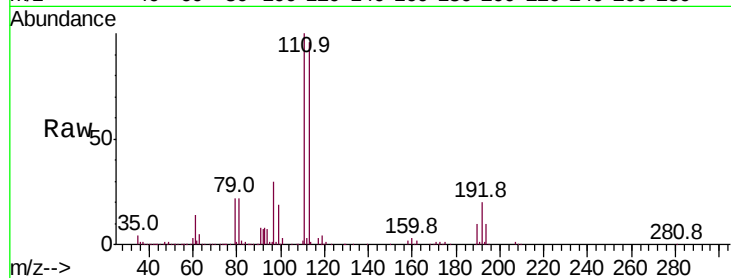
Tot Ion:113 Resp: 289796

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

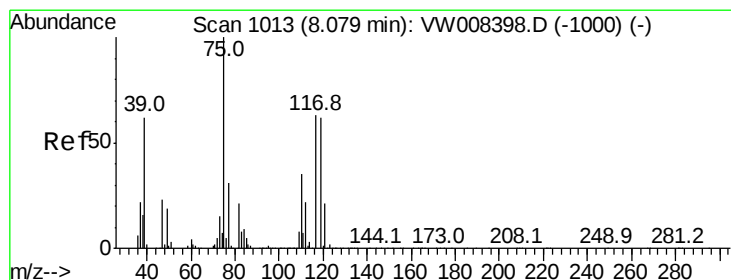
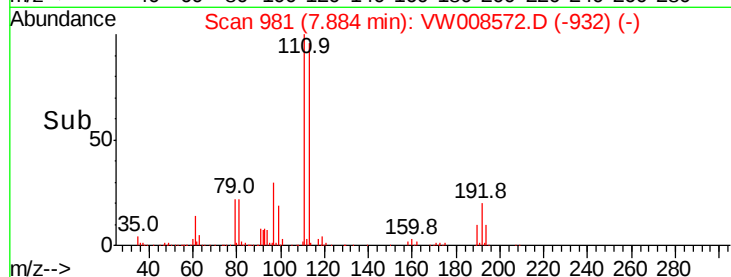
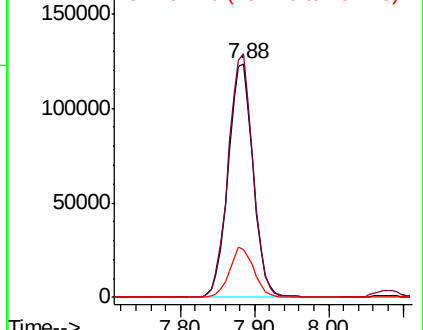
192 20.7 16.8 25.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 17.729 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

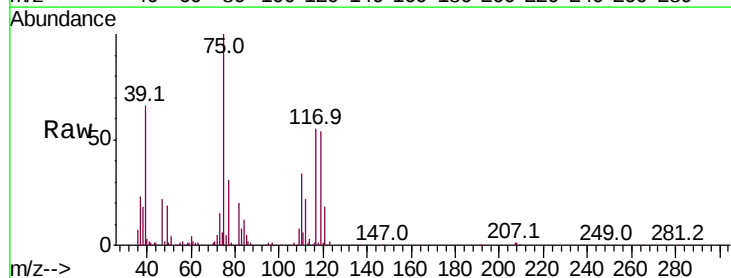
Tgt Ion: 75 Resp: 146031

Ion Ratio Lower Upper

75 100

110 34.4 17.3 52.0

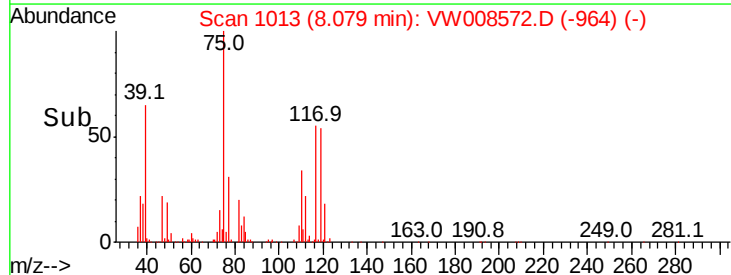
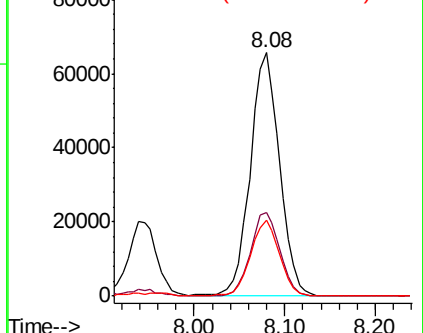
77 30.5 24.7 37.1

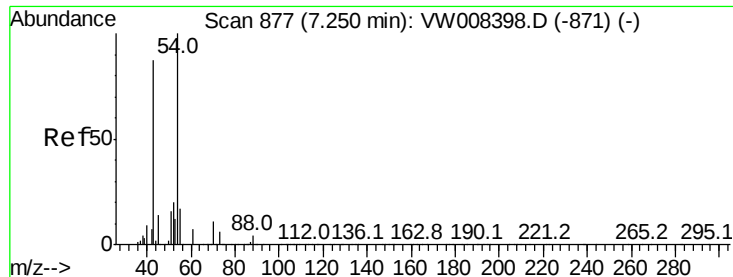


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

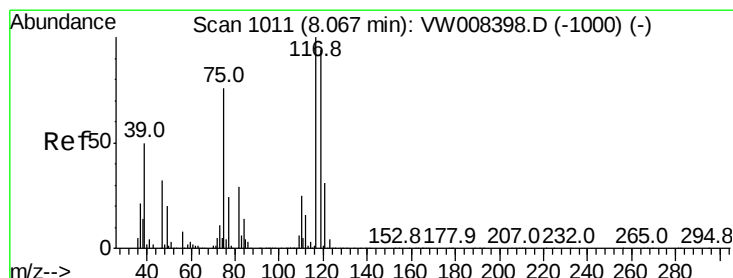
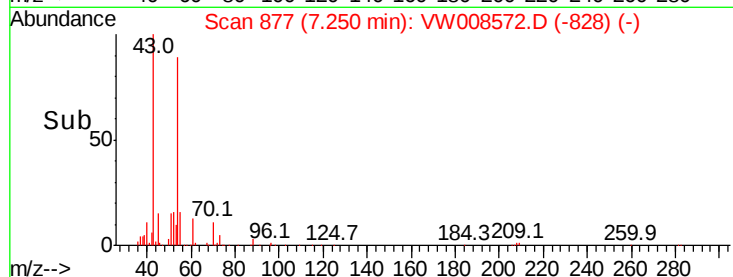
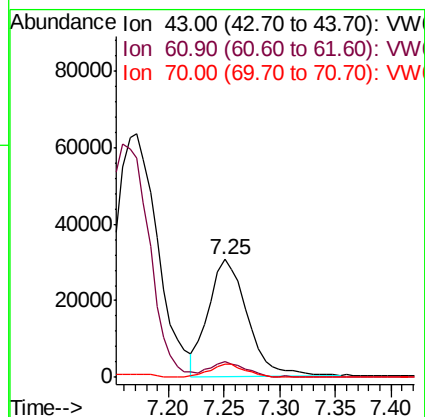
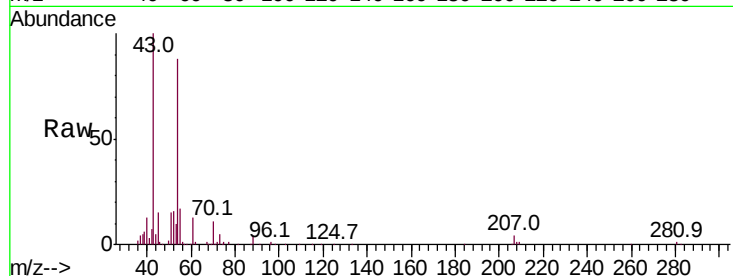




#37
Ethyl Acetate
Concen: 20.547 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

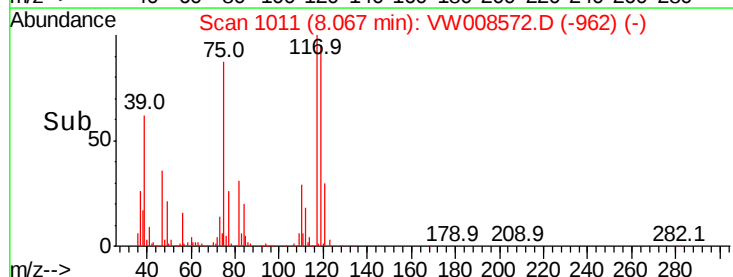
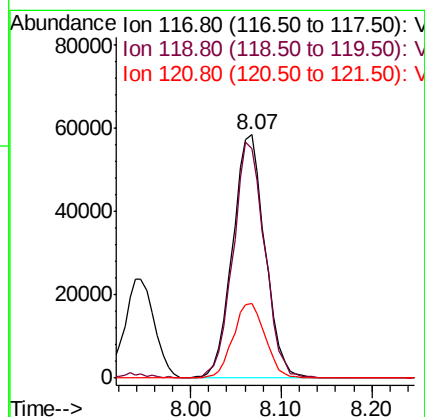
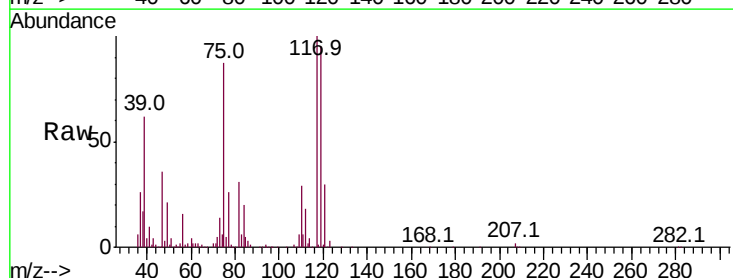
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

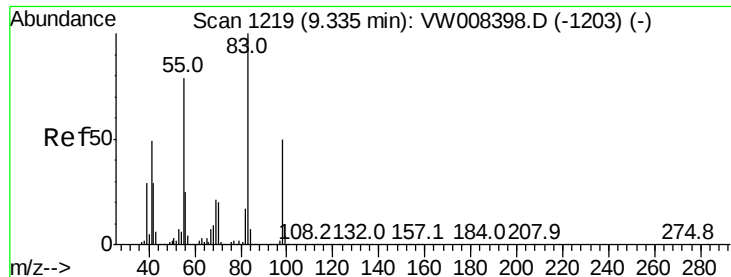
Tot Ion: 43 Resp: 74878
Ion Ratio Lower Upper
43 100
61 12.5 10.1 15.1
70 11.0 7.8 11.6



#38
Carbon Tetrachloride
Concen: 17.419 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 117 Resp: 144385
Ion Ratio Lower Upper
117 100
119 94.3 75.0 112.4
121 30.4 24.9 37.3

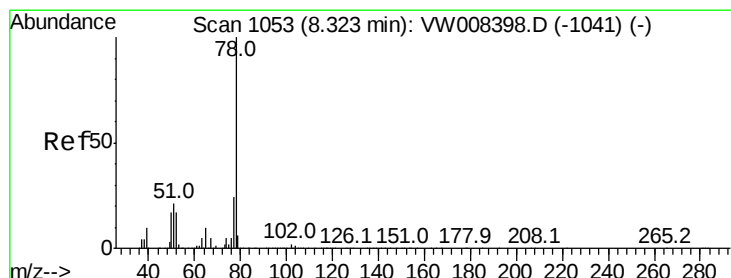
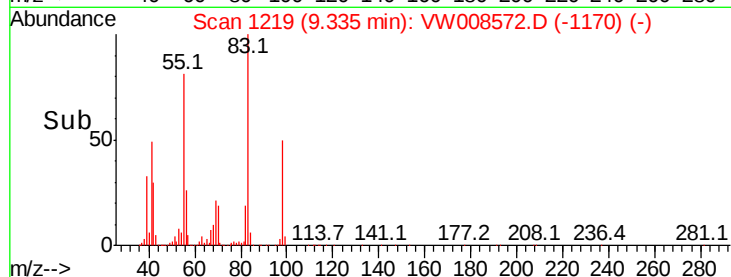
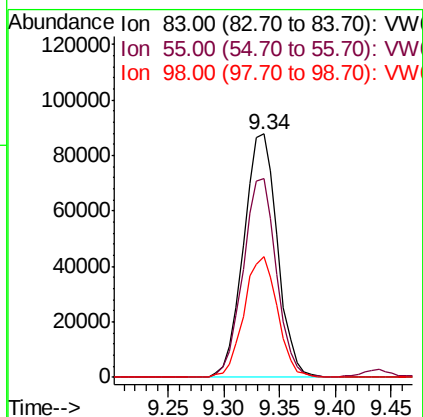
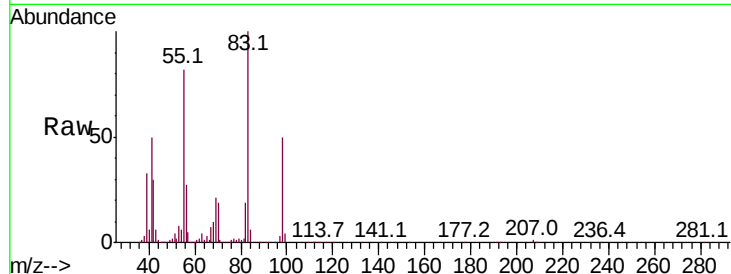




#39
Methvlcvclohexane
Concen: 17.173 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

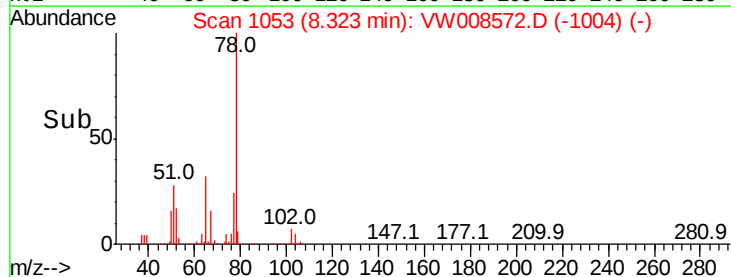
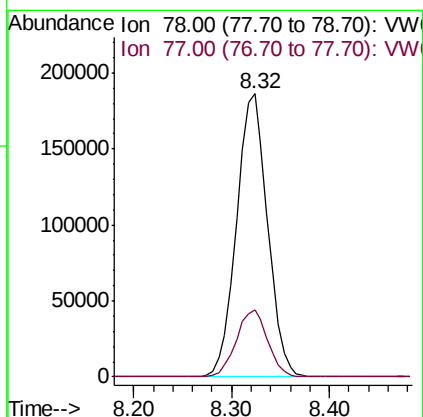
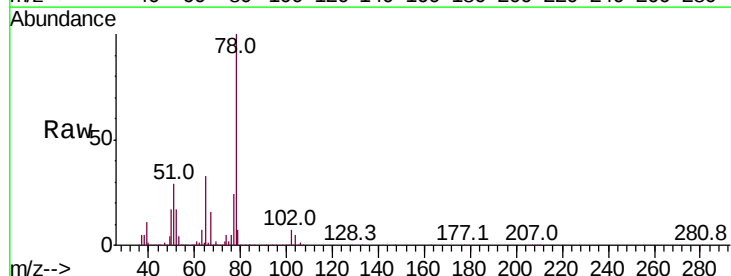
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

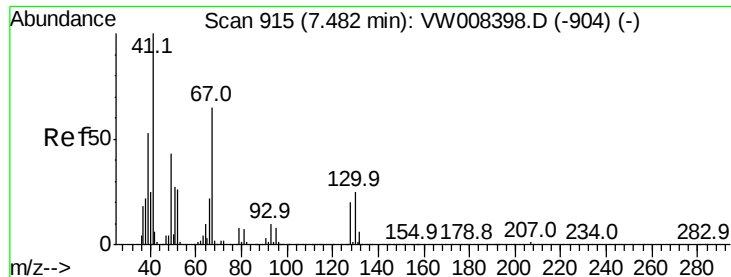
Tot Ion: 83 Resp: 185821
Ion Ratio Lower Upper
83 100
55 81.5 63.3 94.9
98 49.7 39.7 59.5



#40
Benzene
Concen: 17.923 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 78 Resp: 409654
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6

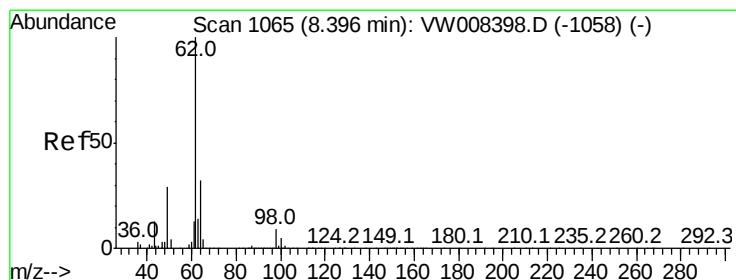
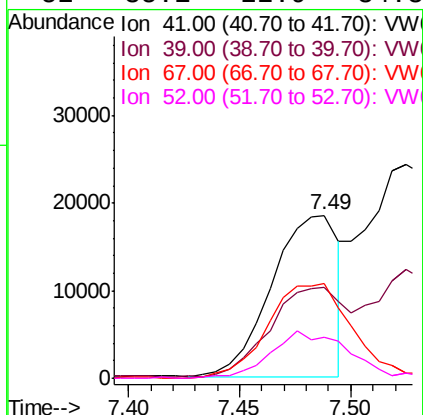
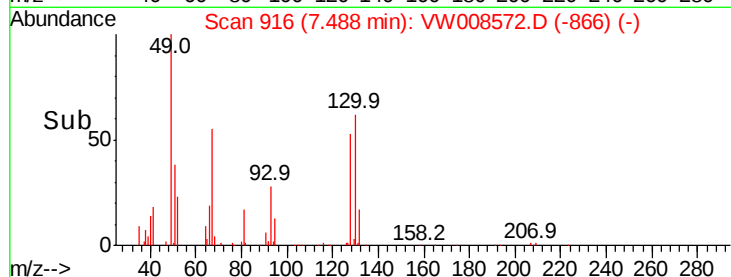
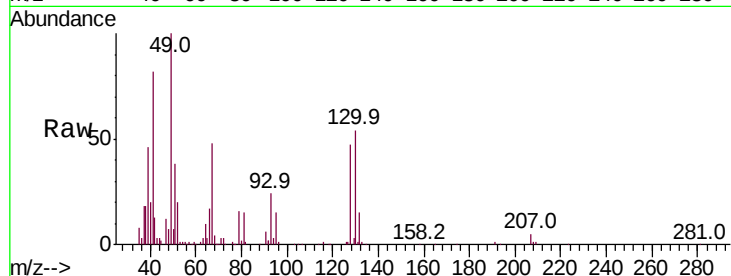




#41
Methacrylonitrile
Concen: 17.821 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

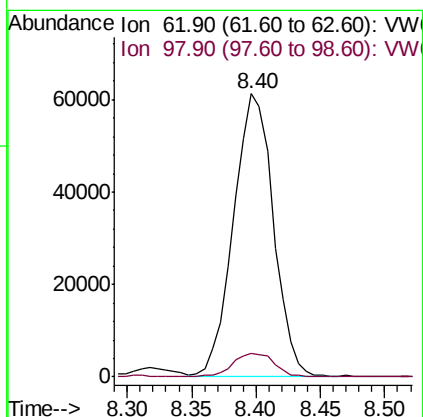
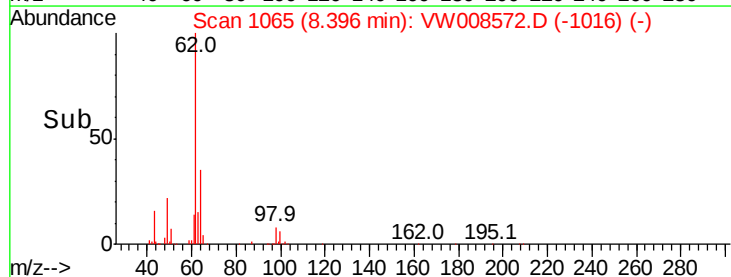
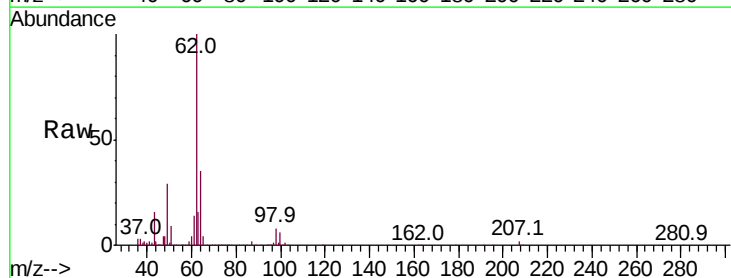
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

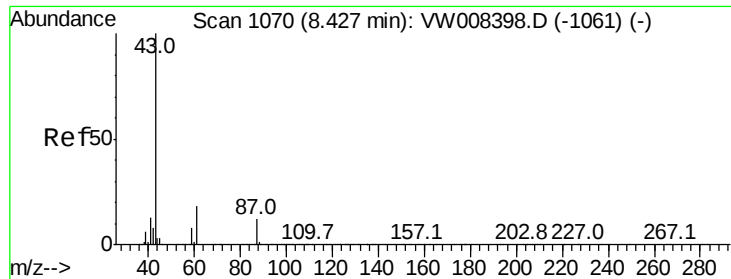
Tot Ion: 41 Resp: 38454
Ion Ratio Lower Upper
41 100
39 62.7 43.4 65.0
67 72.9 54.2 81.2
52 35.1 22.9 34.3#



#42
1,2-Dichloroethane
Concen: 19.862 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 62 Resp: 131563
Ion Ratio Lower Upper
62 100
98 8.6 0.0 18.6



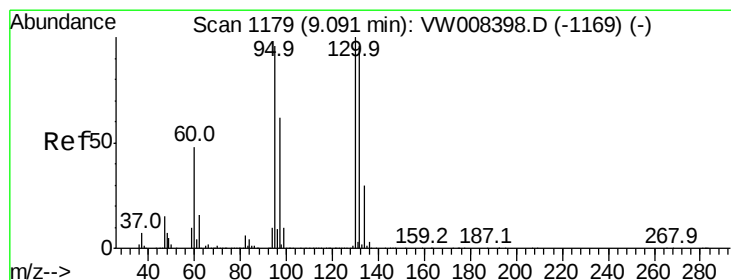
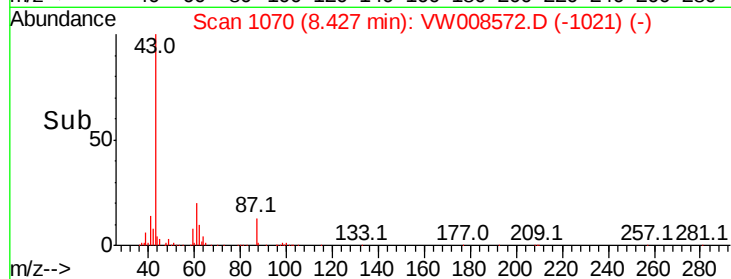
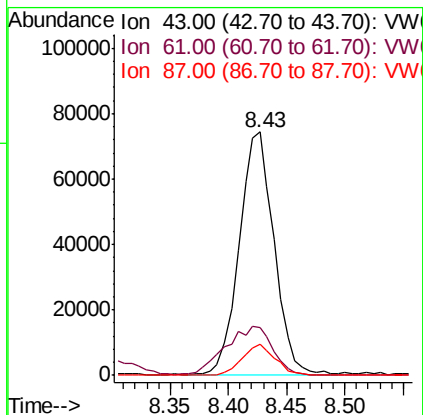
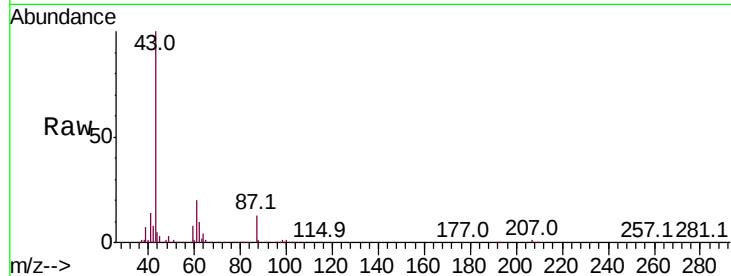


#43

Isopropyl Acetate
 Concen: 20.296 ug/l
 RT: 8.43 min Scan# 1070
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

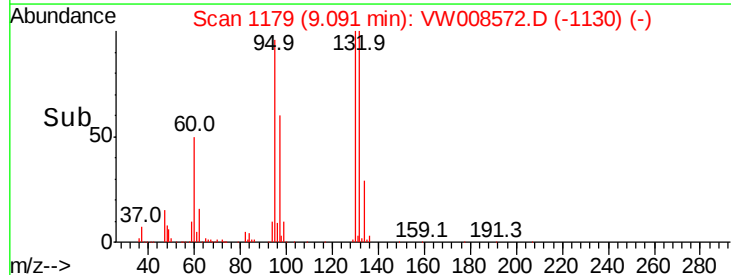
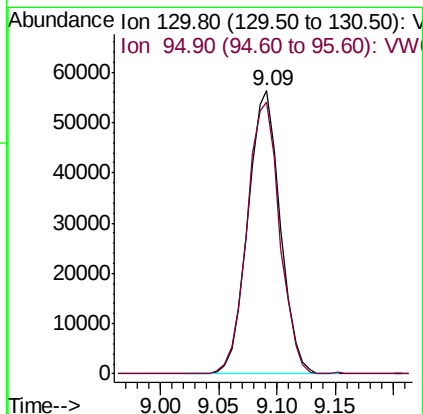
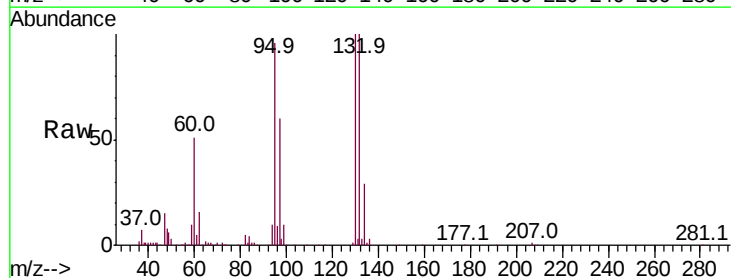
Tot Ion	43	Resp	153661
Ion Ratio	100		
Lower	22.0		
Upper	33.0		
61	27.7		
87	12.4		
	9.3		
	13.9		

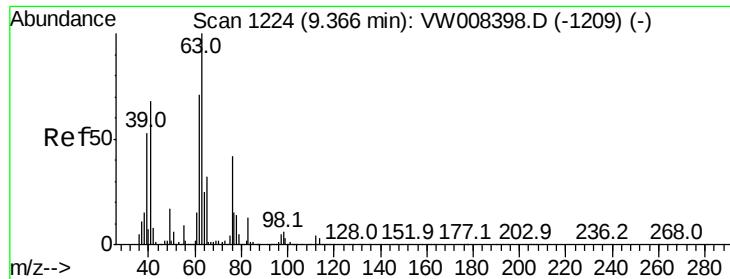


#44

Trichloroethene
 Concen: 17.475 ug/l
 RT: 9.09 min Scan# 1179
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Tgt Ion	130	Resp	108613
Ion Ratio	100		
Lower	0.0		
Upper	191.6		
95	95.9		





#45

1,2-Dichloropropane

Concen: 18.409 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

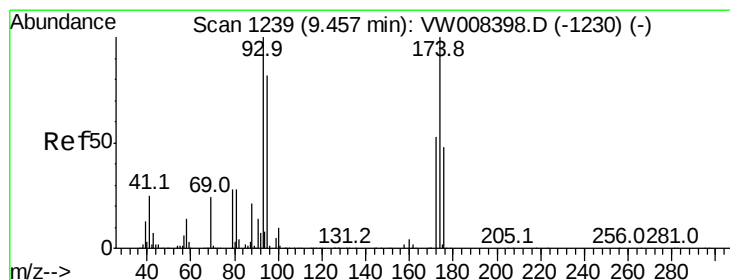
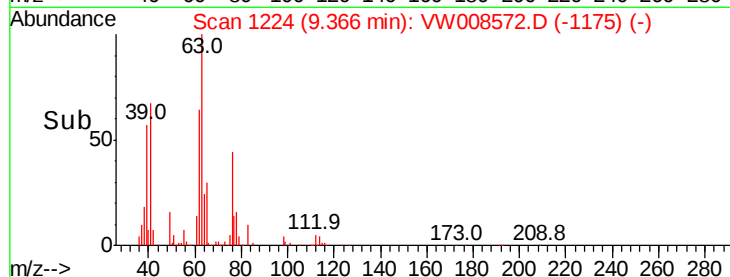
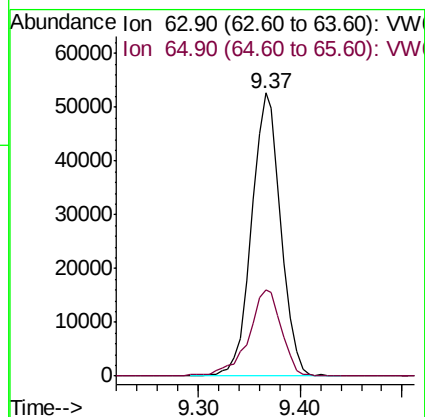
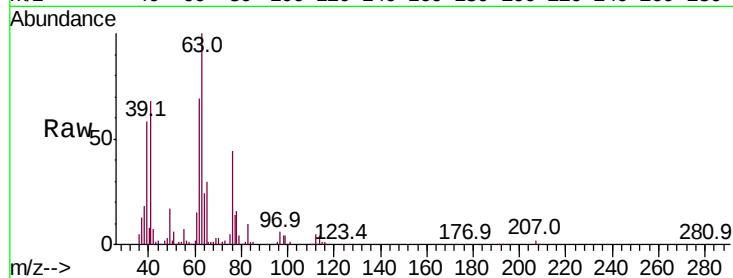
VW0208SBSD01

Tot Ion: 63 Resp: 104912

Ion Ratio Lower Upper

63 100

65 30.3 25.2 37.8



#46

Dibromomethane

Concen: 19.222 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

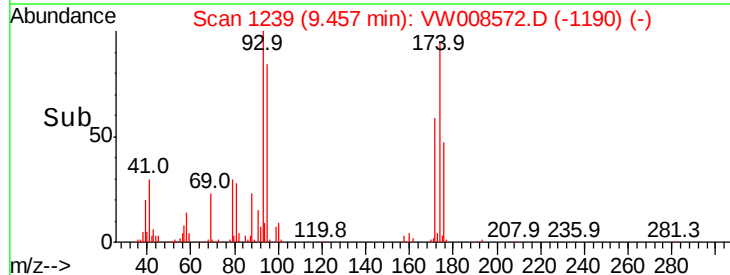
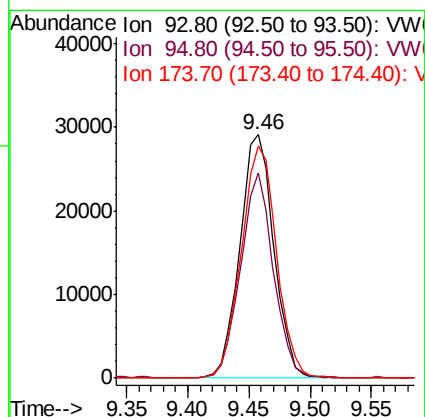
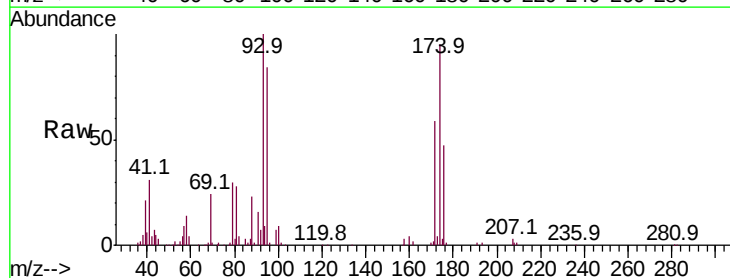
Tgt Ion: 93 Resp: 56342

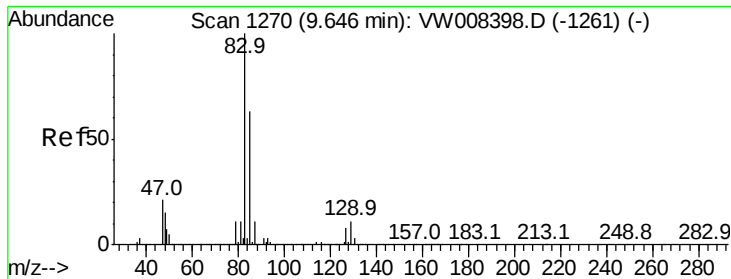
Ion Ratio Lower Upper

93 100

95 81.4 65.9 98.9

174 98.4 81.0 121.6





#47

Bromodichloromethane

Concen: 18.157 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

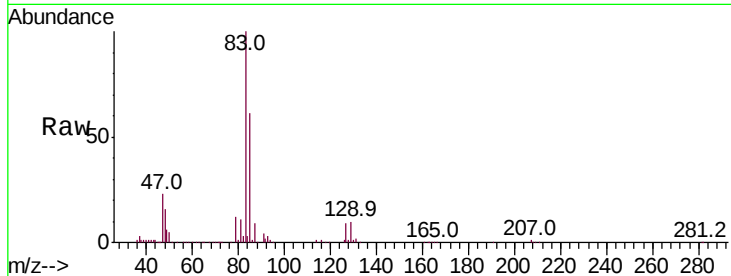
Tot Ion: 83 Resp: 140776

Ion Ratio Lower Upper

83 100

85 61.3 50.8 76.2

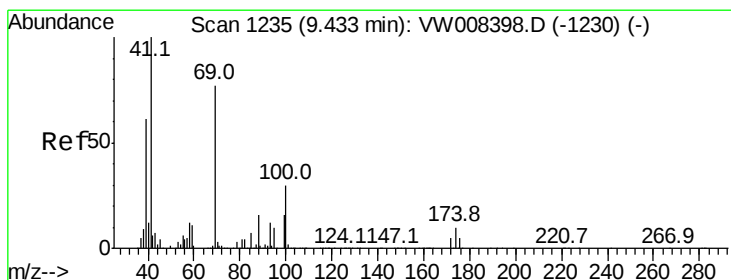
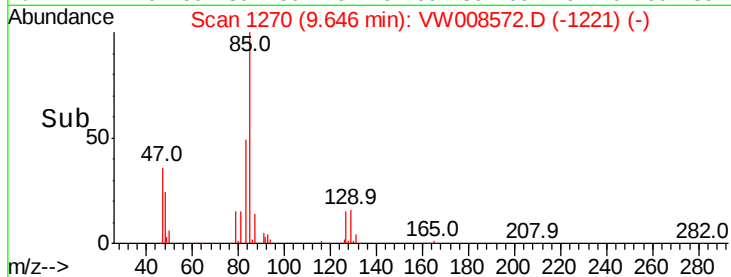
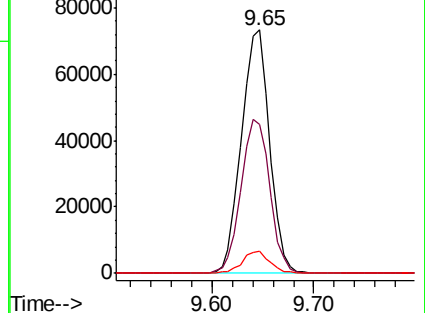
127 8.9 6.8 10.2



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: 19.489 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

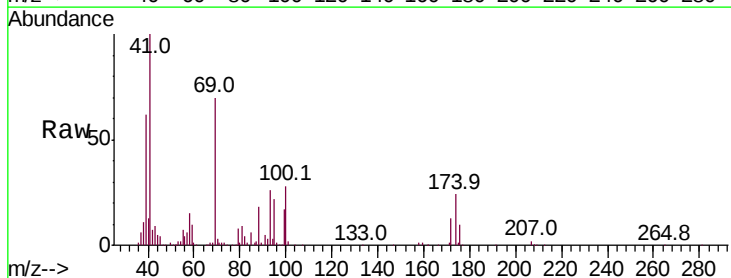
Tgt Ion: 41 Resp: 72146

Ion Ratio Lower Upper

41 100

69 76.0 64.8 97.2

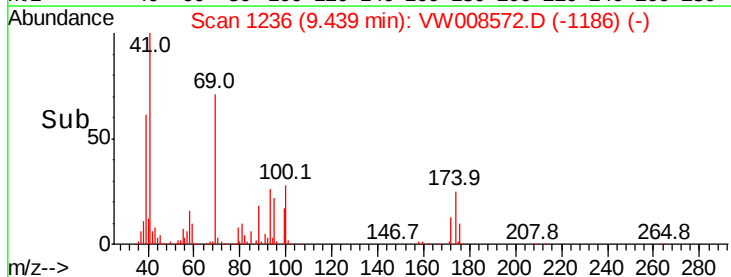
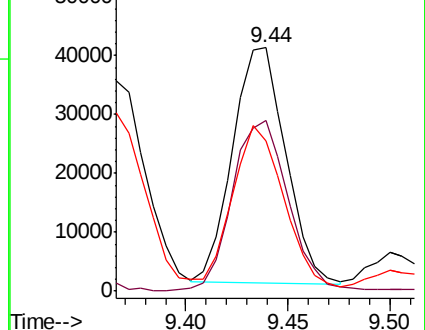
39 68.4 49.1 73.7

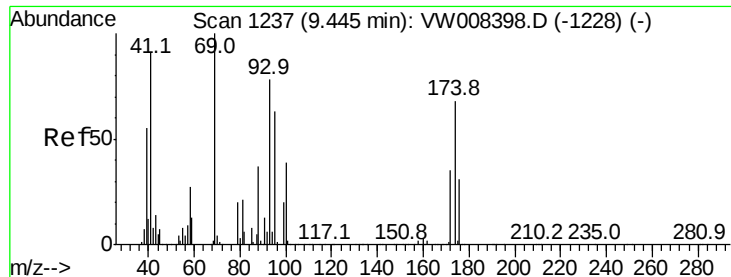


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 381.280 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. 0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

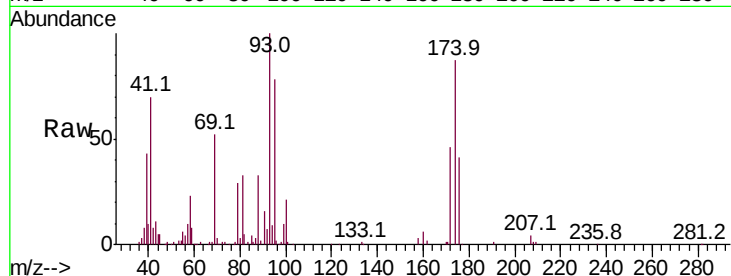
Tot Ion: 88 Resp: 18891

Ion Ratio Lower Upper

88 100

43 32.0 29.0 43.4

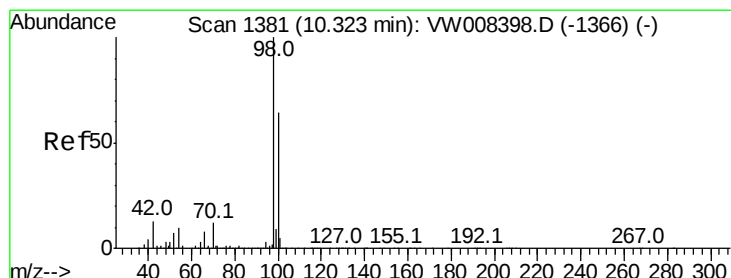
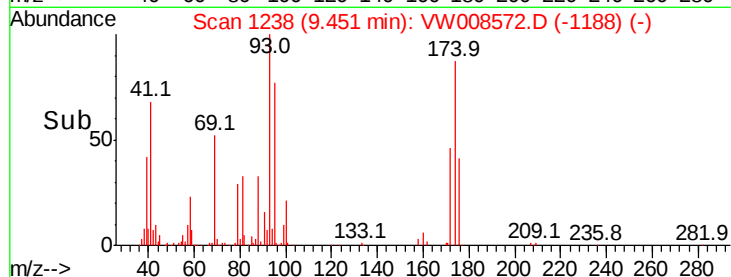
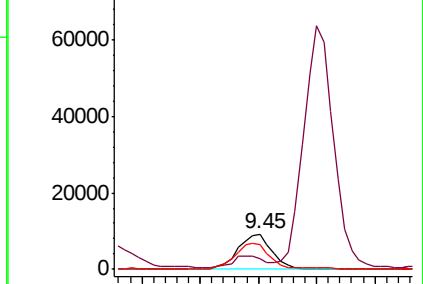
58 74.4 56.4 84.6



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 56.712 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW008572.D

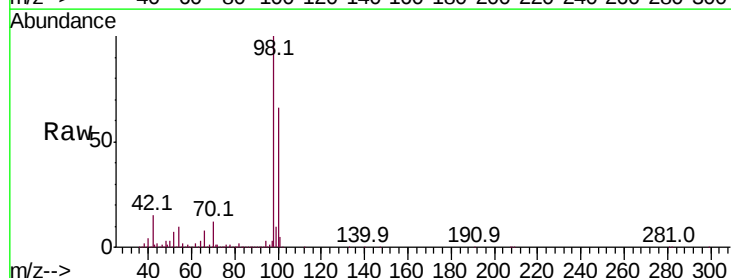
Acq: 08 Feb 2019 14:21

Tgt Ion: 98 Resp: 1159560

Ion Ratio Lower Upper

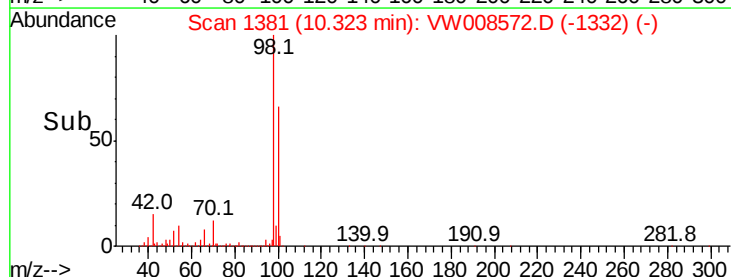
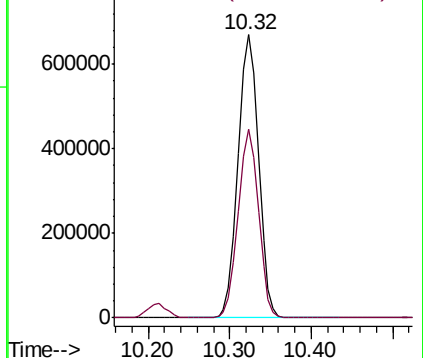
98 100

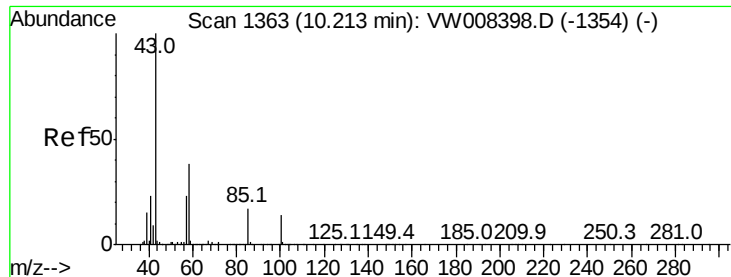
100 65.9 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 105.423 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

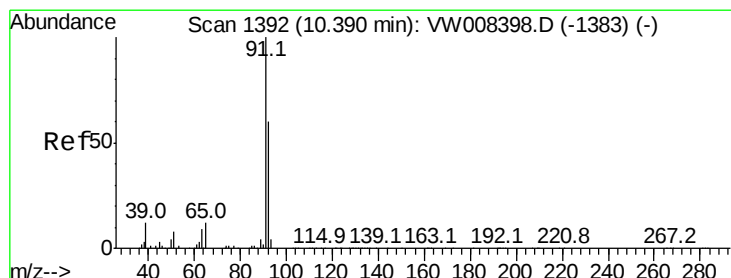
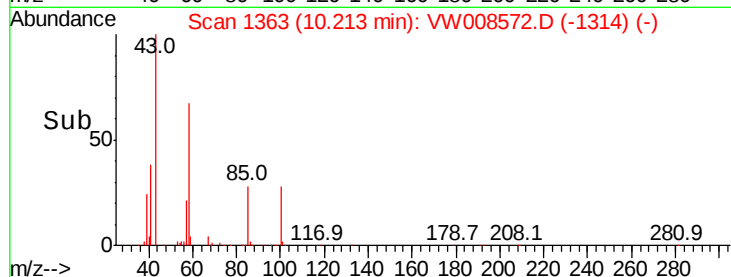
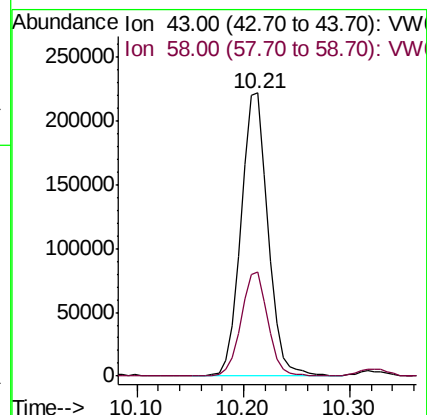
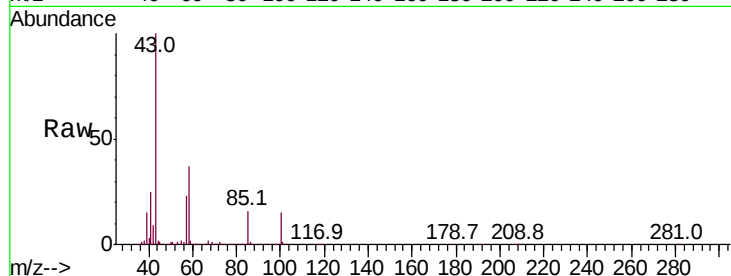
VW0208SBSD01

Tot Ion: 43 Resp: 394316

Ion Ratio Lower Upper

43 100

58 36.5 29.7 44.5



#52

Toluene

Concen: 18.334 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW008572.D

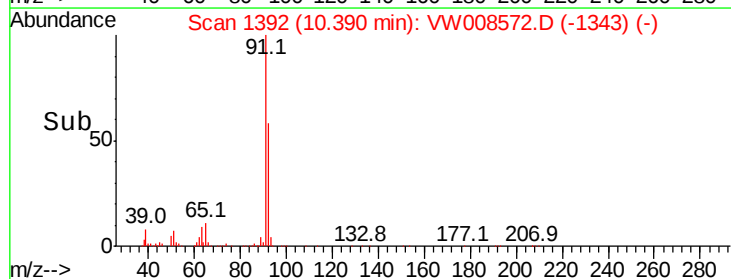
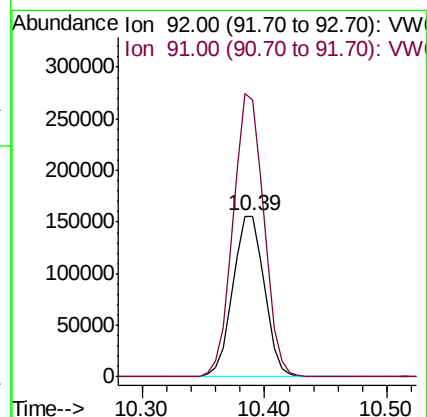
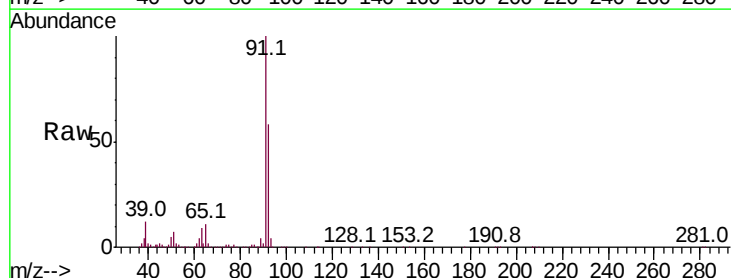
Acq: 08 Feb 2019 14:21

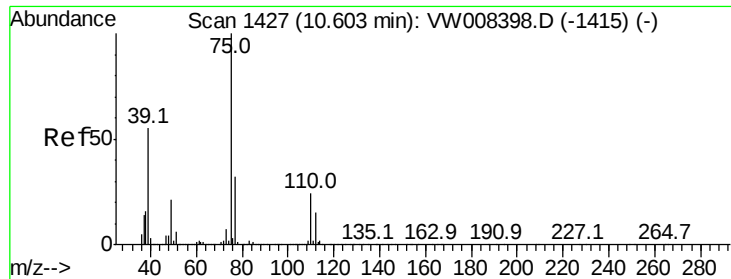
Tgt Ion: 92 Resp: 276616

Ion Ratio Lower Upper

92 100

91 171.9 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 18.823 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

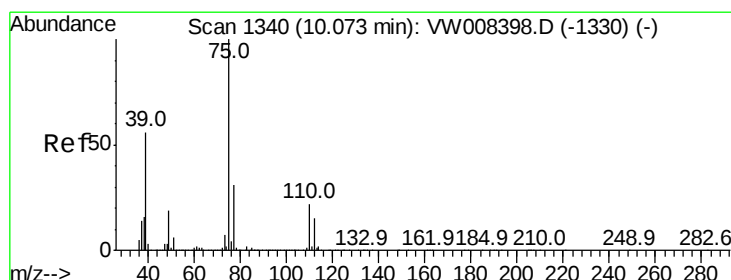
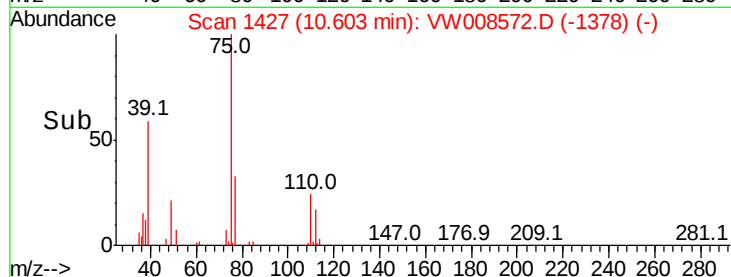
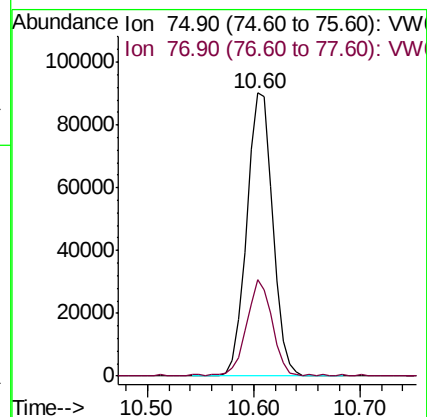
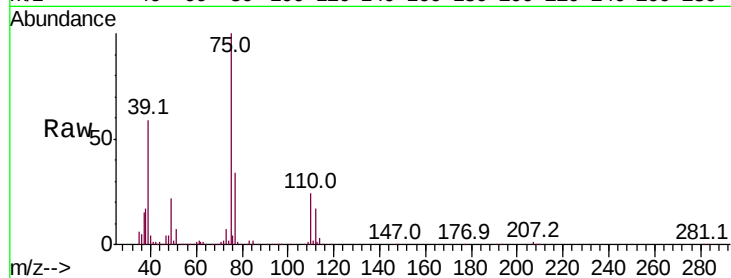
VW0208SBSD01

Tot Ion: 75 Resp: 155290

Ion Ratio Lower Upper

75 100

77 33.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 18.255 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

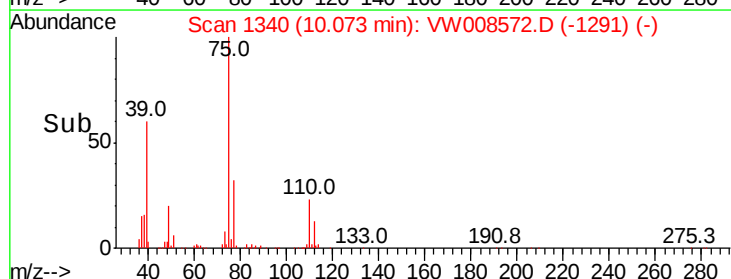
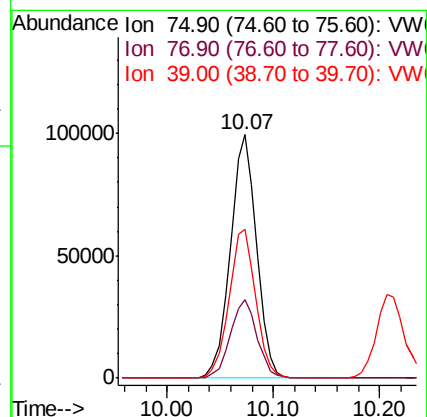
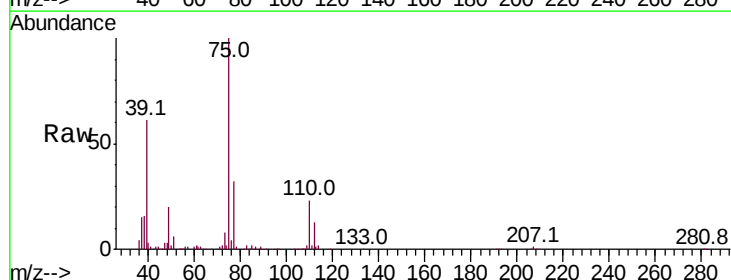
Tgt Ion: 75 Resp: 170904

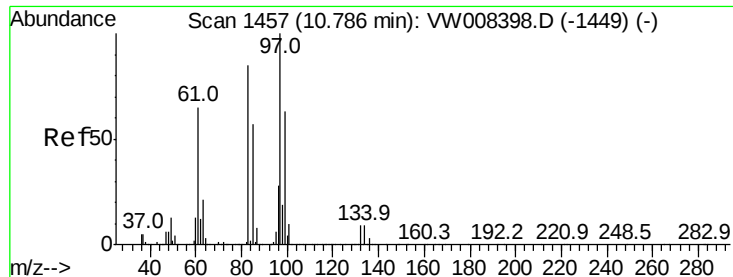
Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.4

39 61.1 44.9 67.3

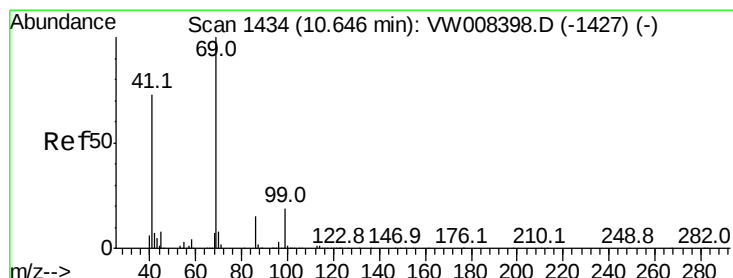
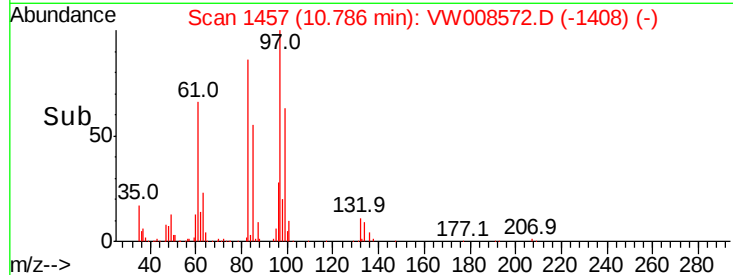
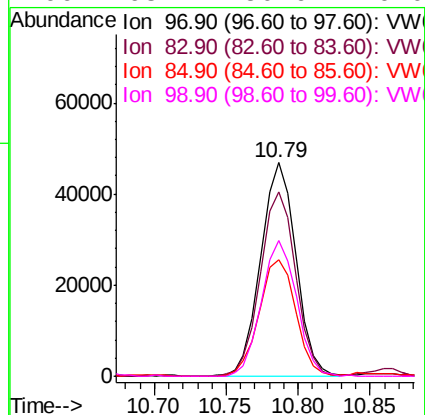
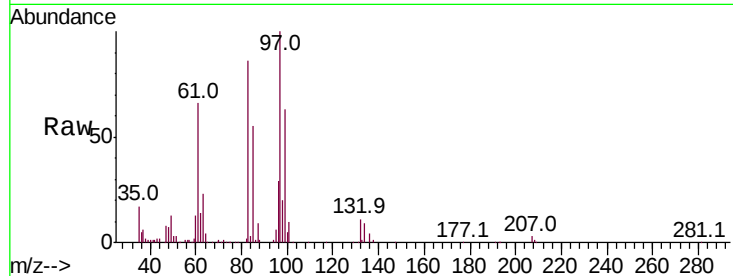




#55
 1,1,2-Trichloroethane
 Concen: 19.537 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

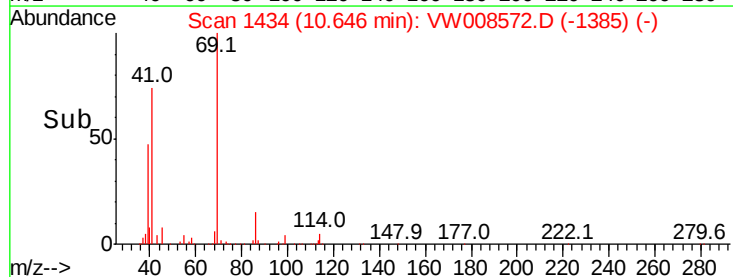
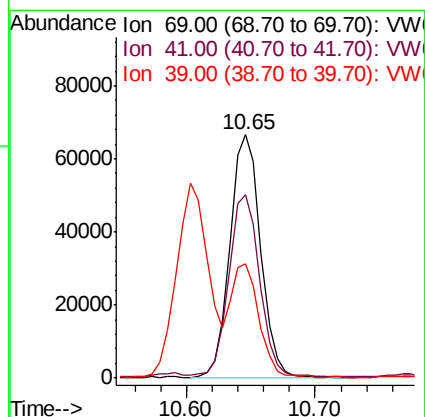
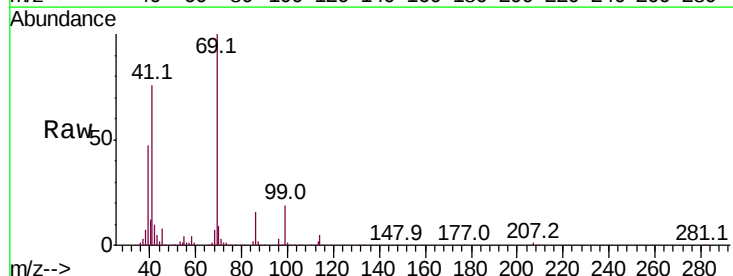
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

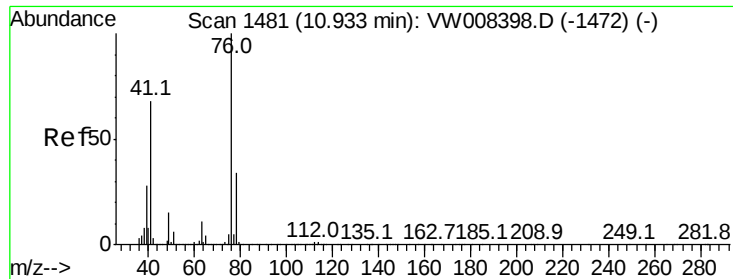
Tot Ion:	97	Resp:	79432
Ion	Ratio	Lower	Upper
97	100		
83	86.3	68.4	102.6
85	54.7	45.3	67.9
99	63.1	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 19.449 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Tgt Ion:	69	Resp:	110801
Ion	Ratio	Lower	Upper
69	100		
41	75.7	58.7	88.1
39	42.9	32.6	48.8





#57

1,3-Dichloropropane

Concen: 19.380 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

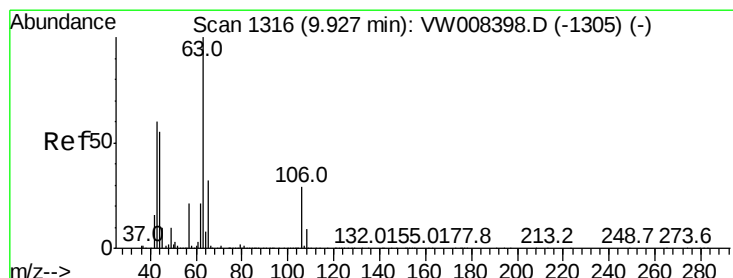
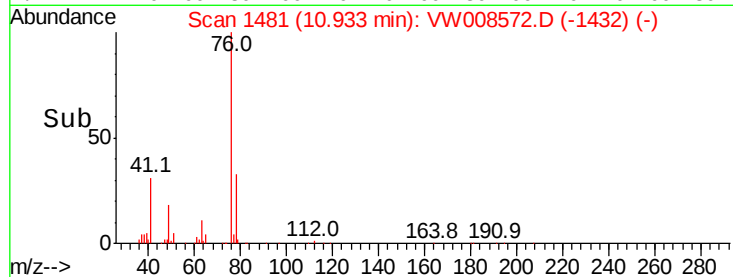
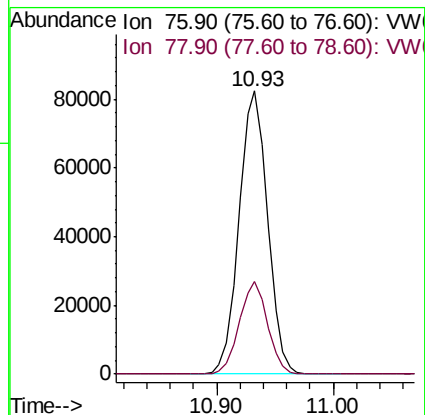
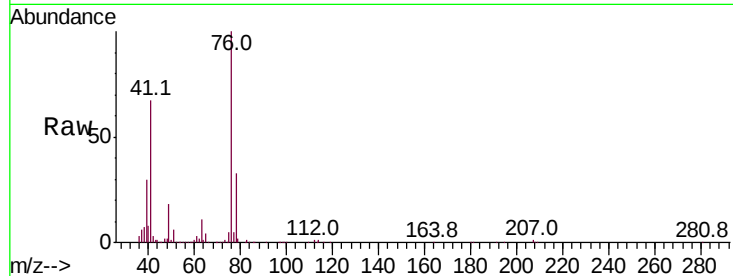
VW0208SBSD01

Tot Ion: 76 Resp: 141158

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 108.555 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008572.D

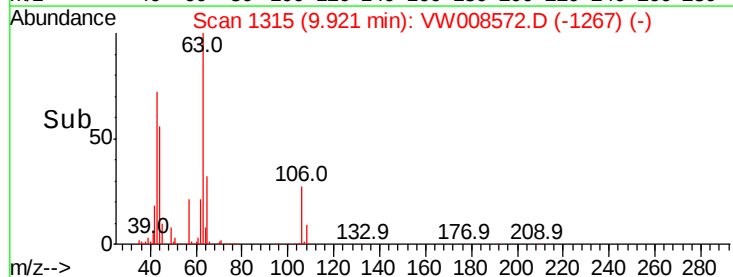
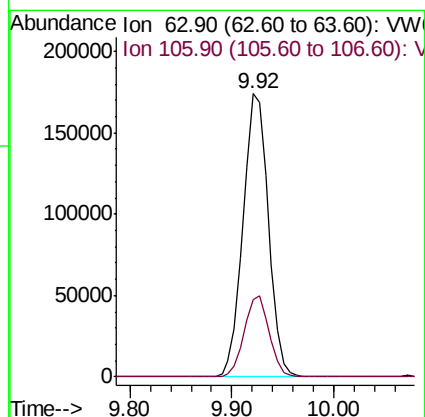
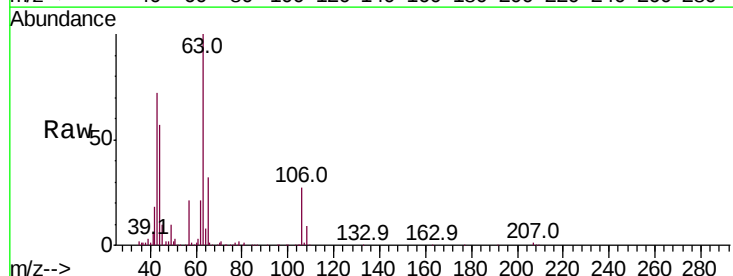
Acq: 08 Feb 2019 14:21

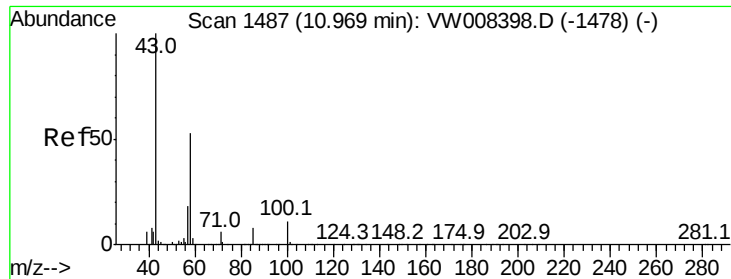
Tgt Ion: 63 Resp: 300479

Ion Ratio Lower Upper

63 100

106 28.0 22.4 33.6

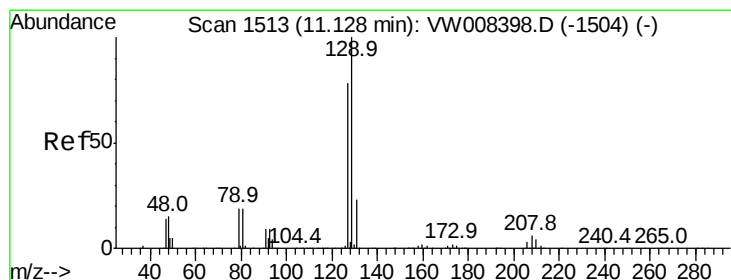
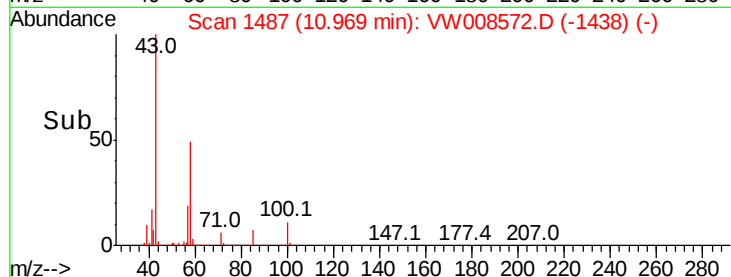
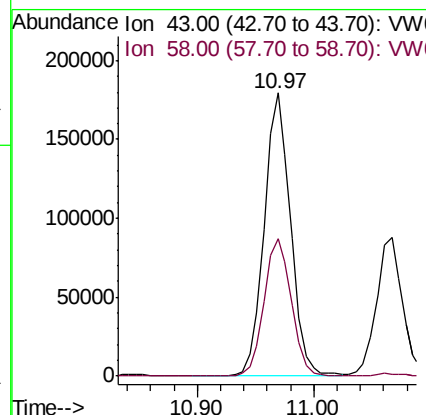
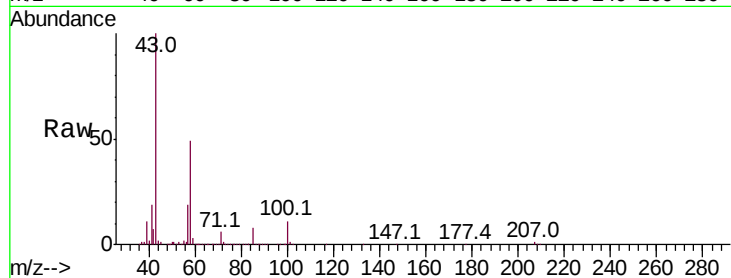




#59
2-Hexanone
Concen: 107.011 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

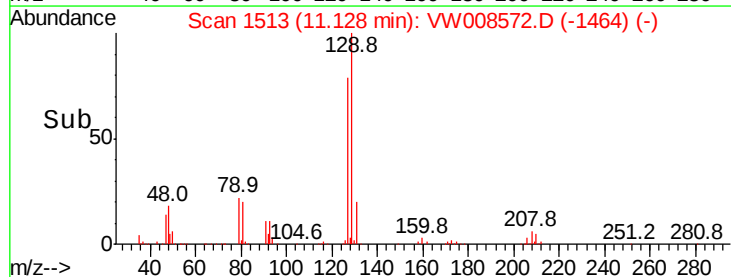
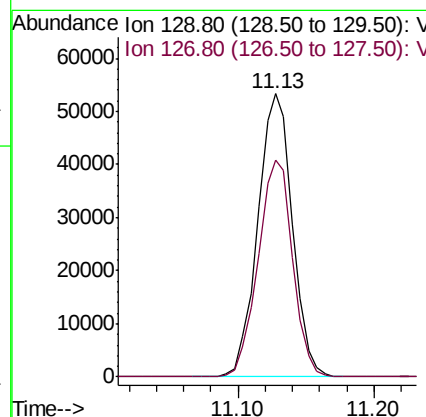
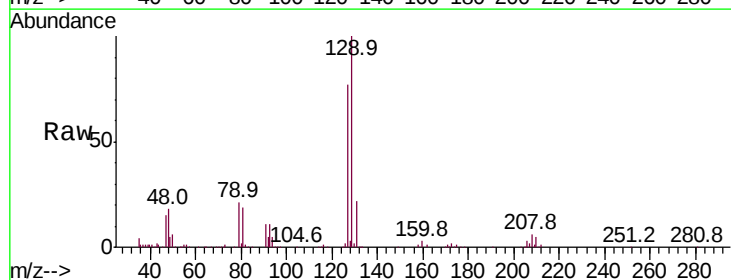
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

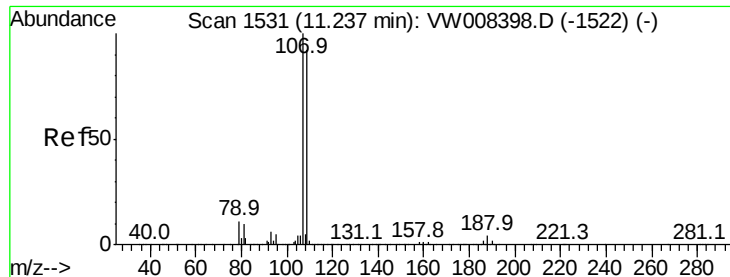
Tot Ion: 43 Resp: 282564
Ion Ratio Lower Upper
43 100
58 50.2 25.9 77.7



#60
Dibromochloromethane
Concen: 18.137 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 129 Resp: 94760
Ion Ratio Lower Upper
129 100
127 76.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 19.137 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

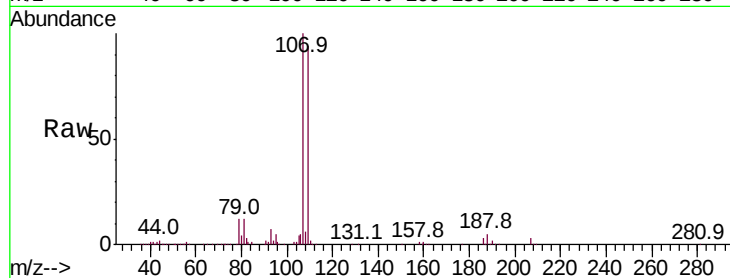
VW0208SBSD01

Tot Ion:107 Resp: 77149

Ion Ratio Lower Upper

107 100

109 93.7 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

40000

30000

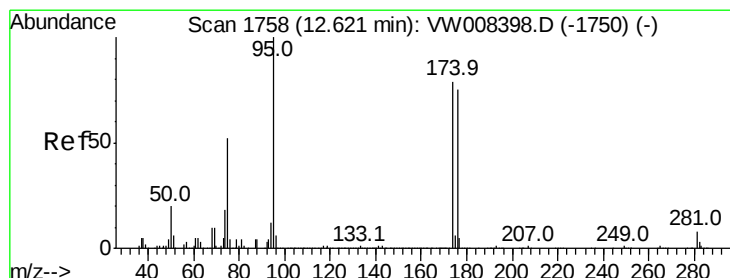
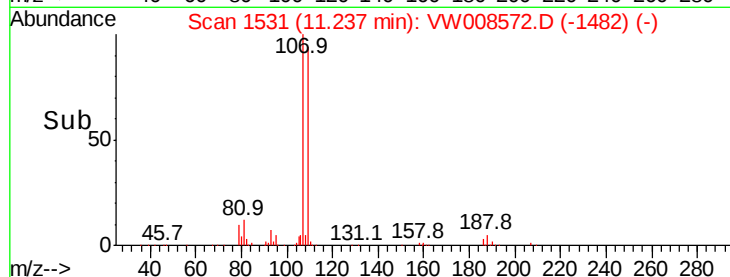
20000

10000

0

Time-->

11.20 11.30



#62

4-Bromofluorobenzene

Concen: 59.150 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

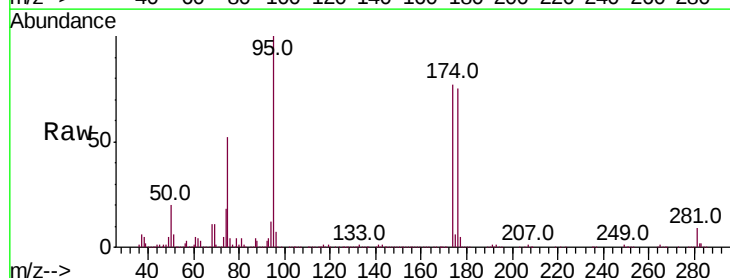
Tgt Ion: 95 Resp: 464879

Ion Ratio Lower Upper

95 100

174 76.4 0.0 157.6

176 73.9 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

400000

300000

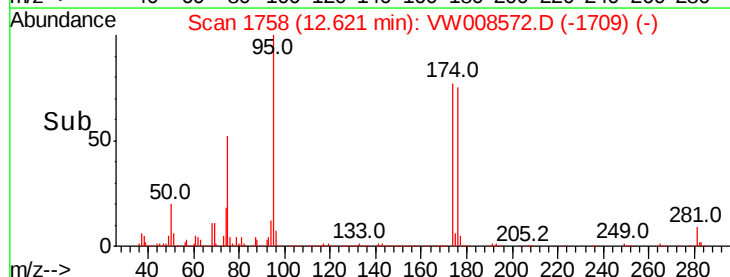
200000

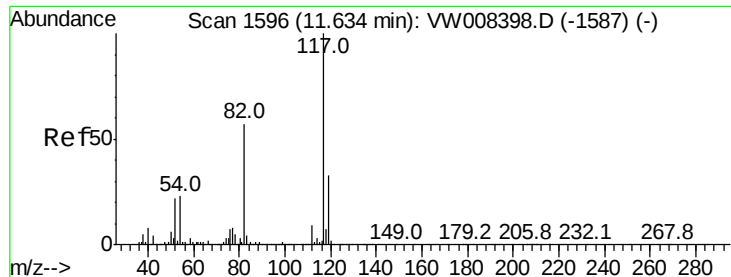
100000

0

Time-->

12.50 12.60 12.70

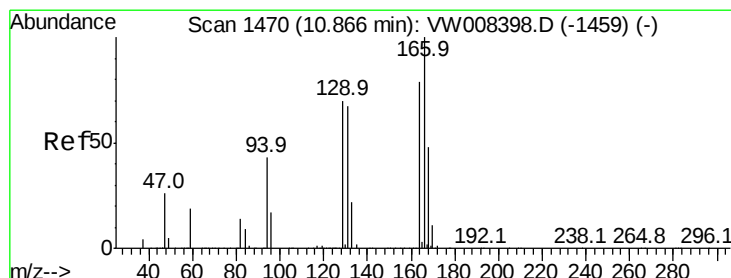
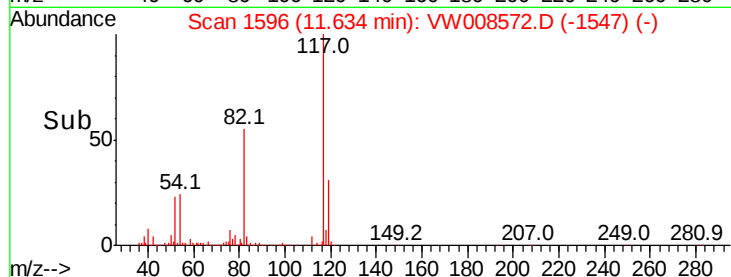
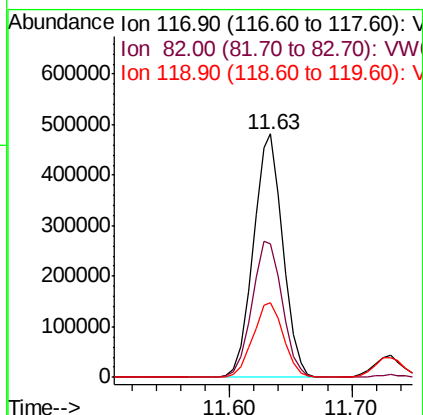
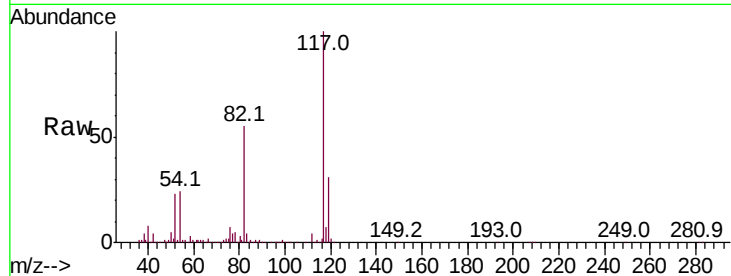




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

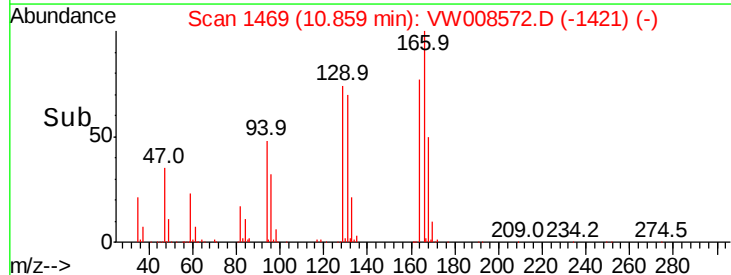
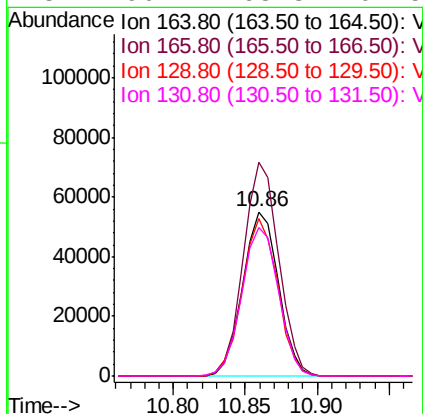
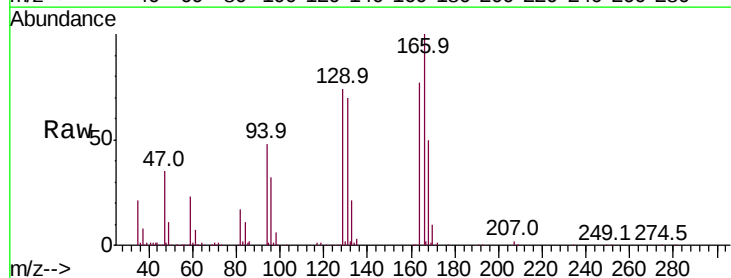
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

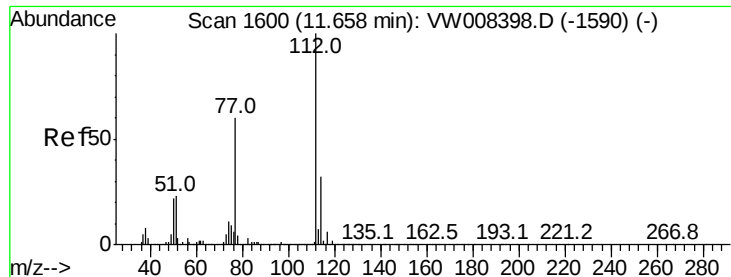
Tot Ion:117 Resp: 807114
Ion Ratio Lower Upper
117 100
82 54.9 45.4 68.0
119 30.7 26.2 39.4



#64
Tetrachloroethene
Concen: 17.304 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion:164 Resp: 94562
Ion Ratio Lower Upper
164 100
166 130.4 101.4 152.0
129 96.3 71.0 106.6
131 90.7 68.3 102.5

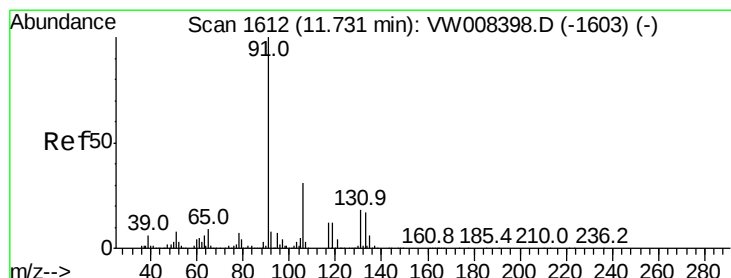
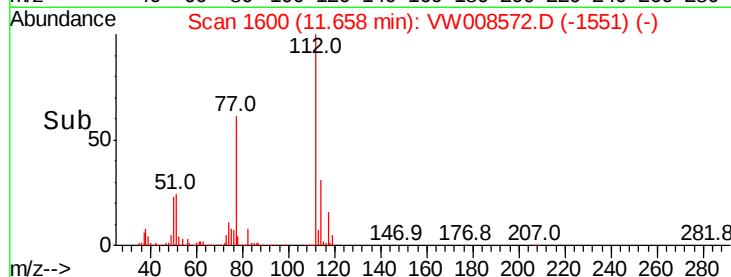
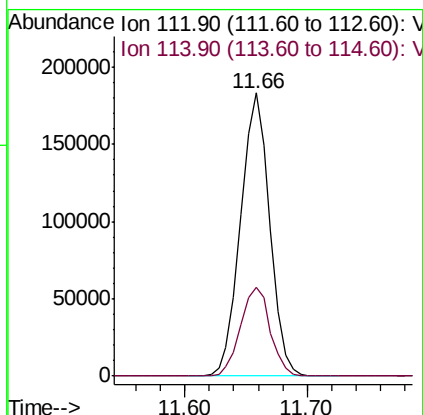
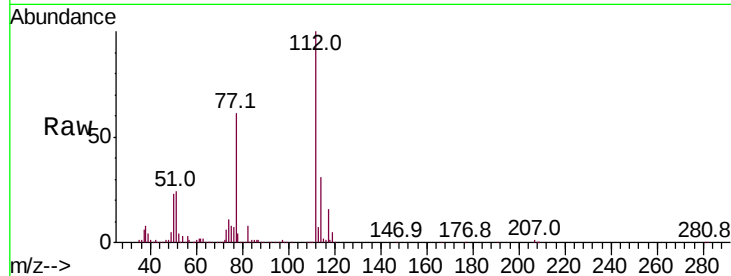




#65
Chlorobenzene
Concen: 18.330 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

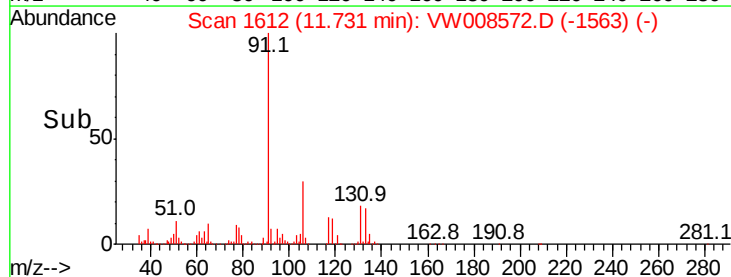
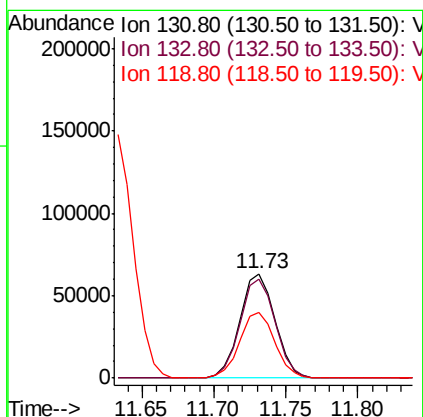
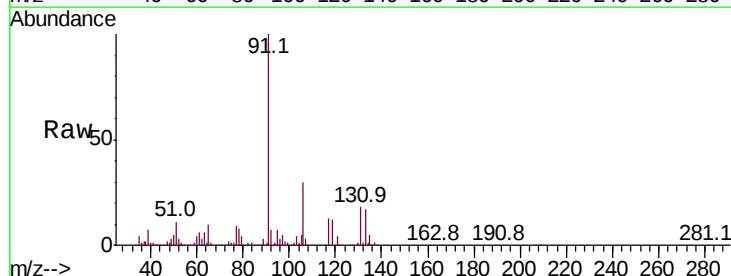
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

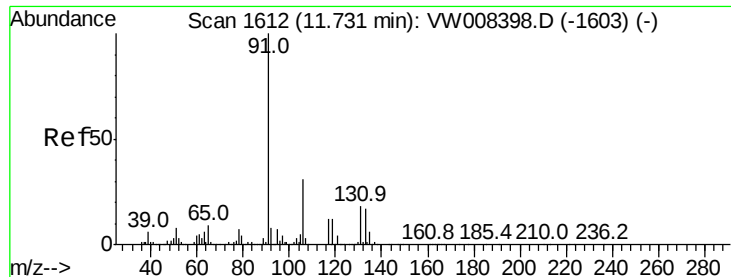
Tot Ion:112 Resp: 302012
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 18.080 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion:131 Resp: 106578
Ion Ratio Lower Upper
131 100
133 95.8 47.0 141.2
119 63.7 32.1 96.3

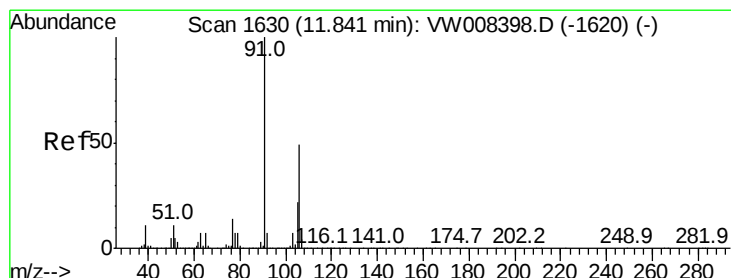
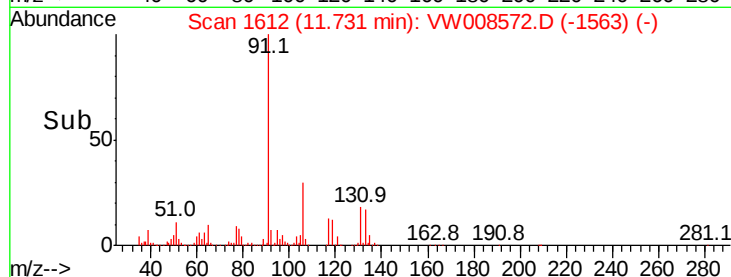
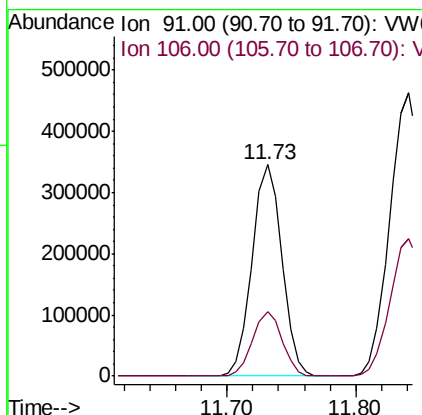
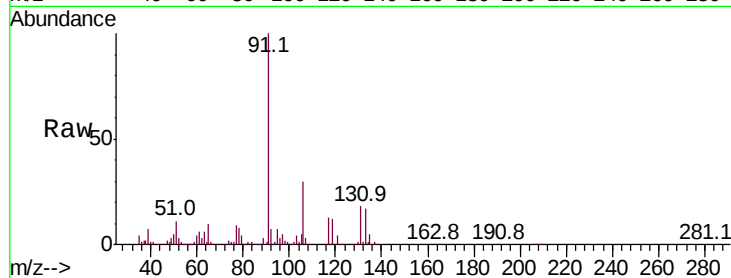




#67
Ethyl Benzene
Concen: 18.177 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

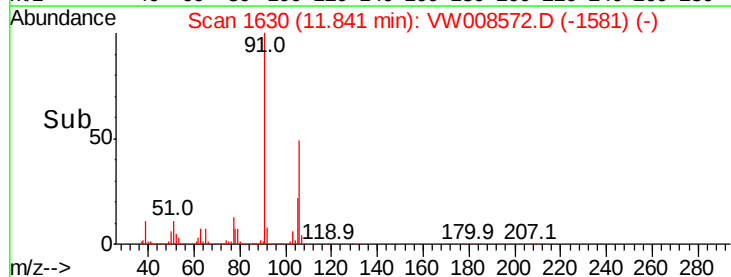
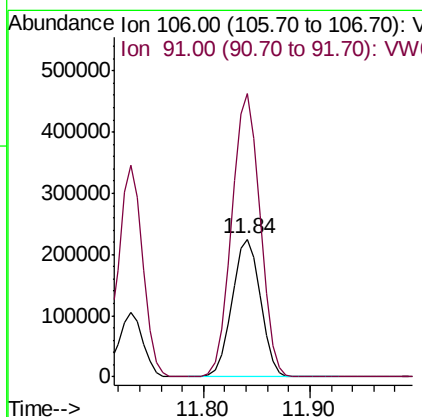
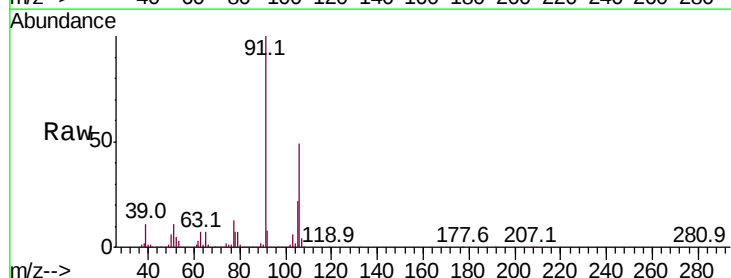
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

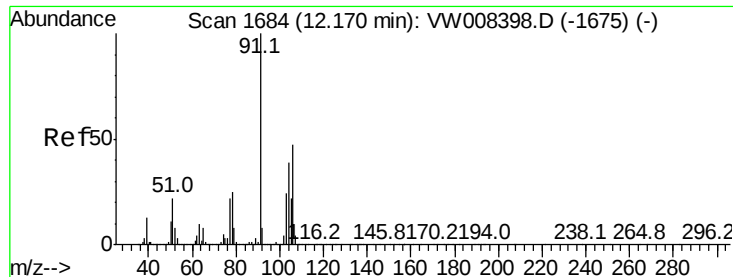
Tot Ion: 91 Resp: 550500
Ion Ratio Lower Upper
91 100
106 30.2 24.7 37.1



#68
m/p-Xylenes
Concen: 35.936 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion: 106 Resp: 422276
Ion Ratio Lower Upper
106 100
91 205.1 162.9 244.3

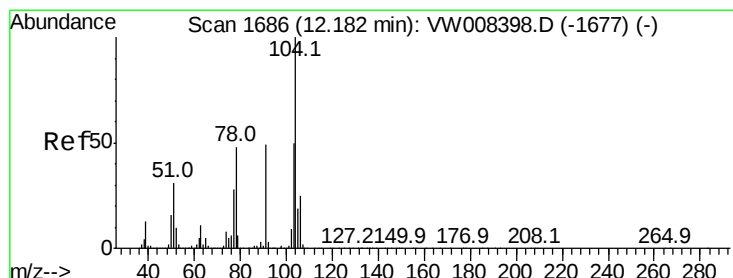
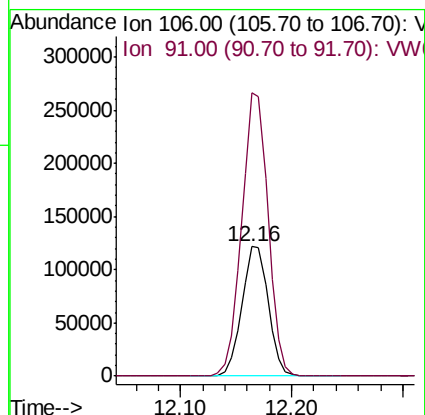
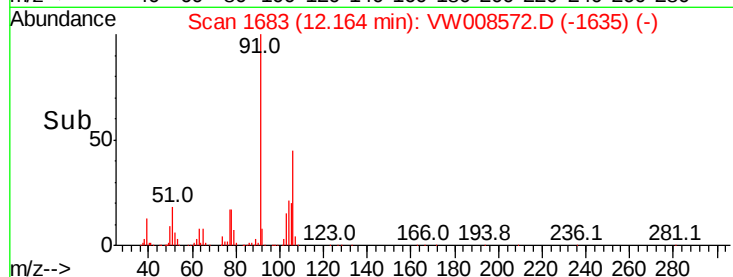
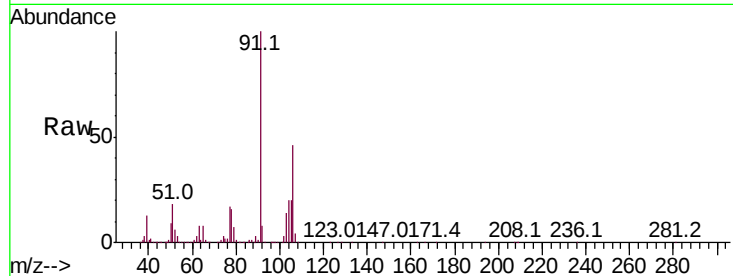




#69
o-Xylene
Concen: 17.889 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

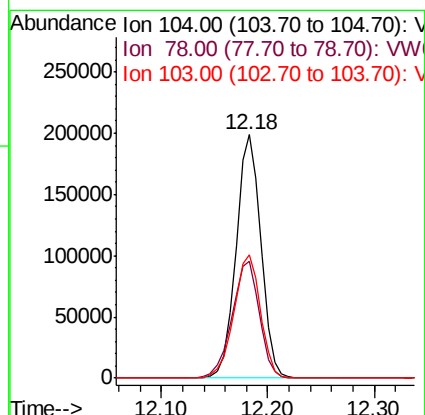
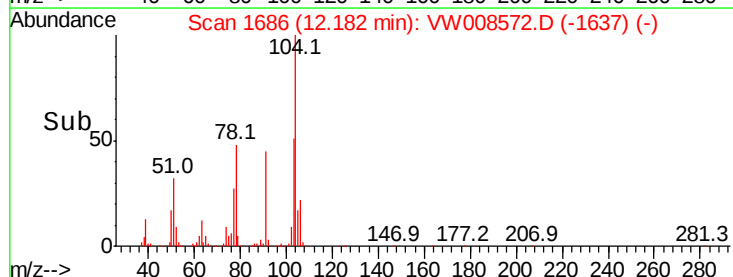
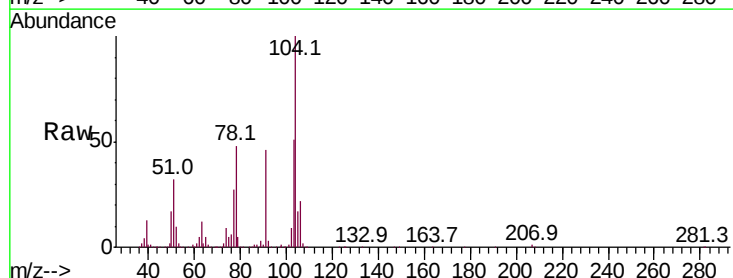
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

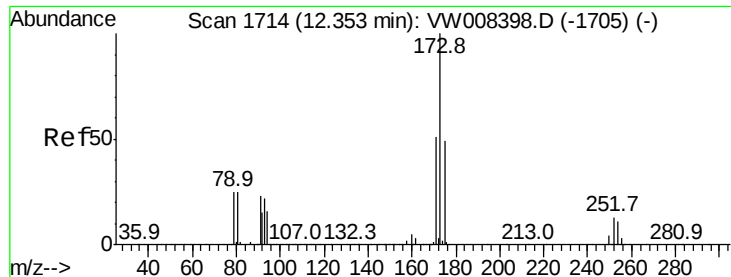
Tot Ion:106 Resp: 199731
Ion Ratio Lower Upper
106 100
91 218.4 107.5 322.4



#70
Styrene
Concen: 17.643 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion:104 Resp: 325368
Ion Ratio Lower Upper
104 100
78 52.7 42.4 63.6
103 54.2 43.4 65.0





#71

Bromoform

Concen: 17.510 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

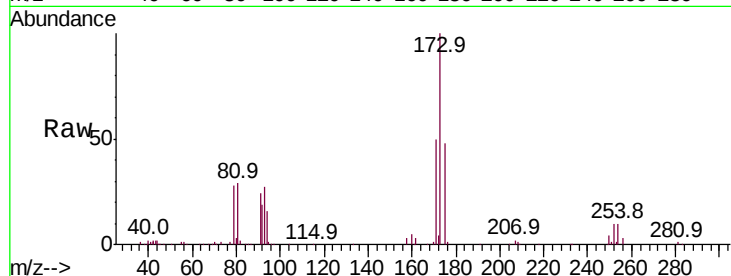
Tot Ion:173 Resp: 58076

Ion Ratio Lower Upper

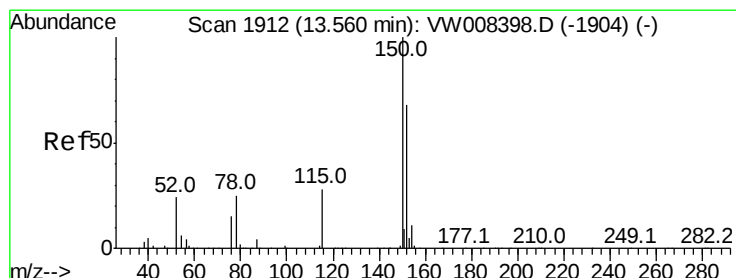
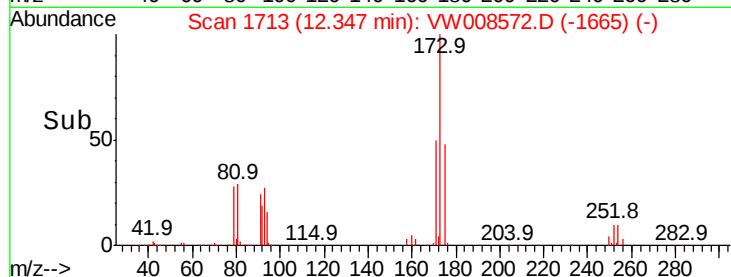
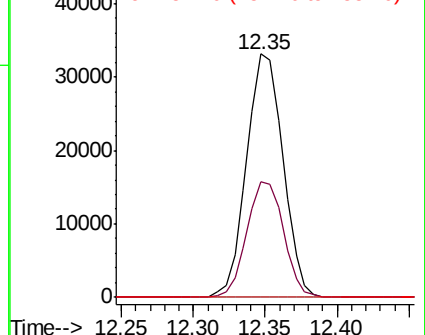
173 100

175 47.8 24.4 73.4

254 0.0 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: VW008572.D

Acq: 08 Feb 2019 14:21

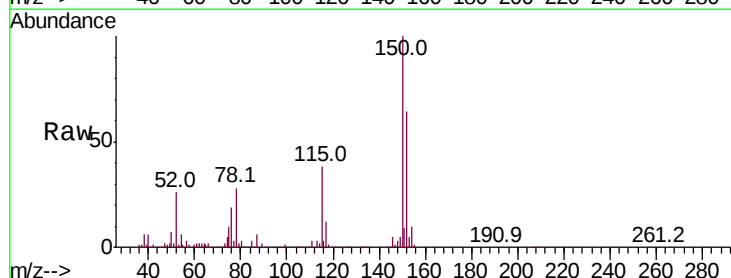
Tgt Ion:152 Resp: 435437

Ion Ratio Lower Upper

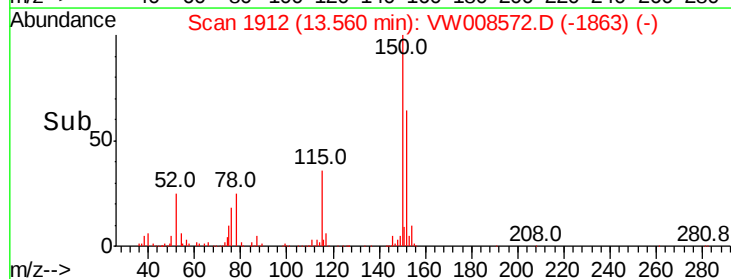
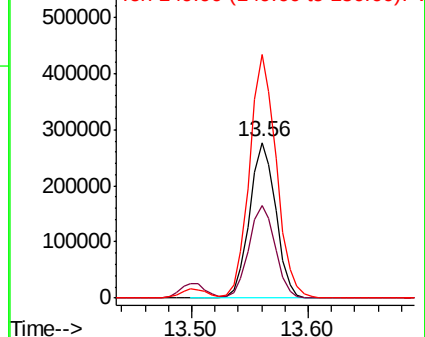
152 100

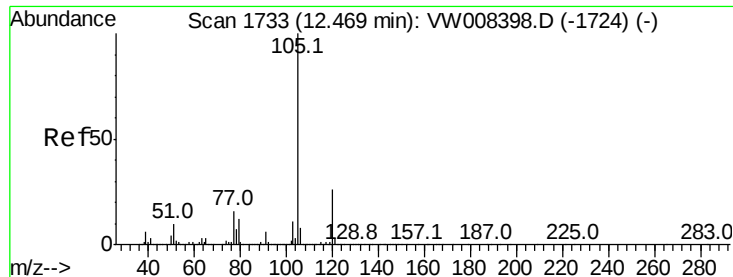
115 59.8 29.9 89.7

150 160.4 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: 17.170 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

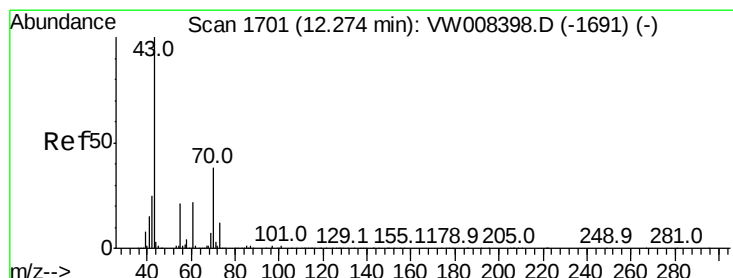
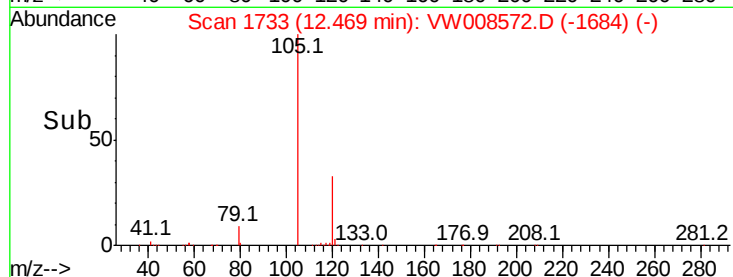
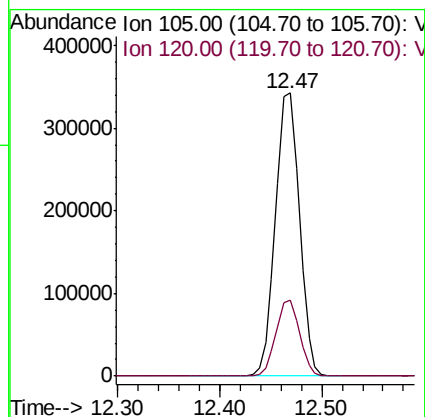
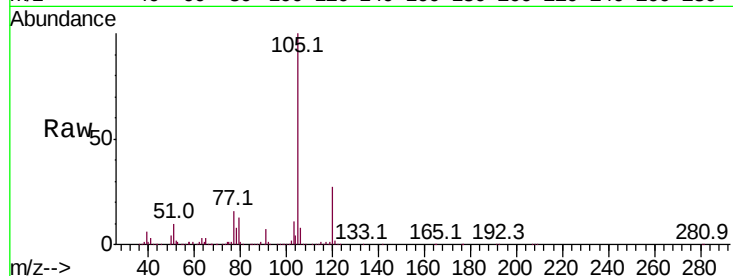
VW0208SBSD01

Tot Ion:105 Resp: 557382

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



#74

N-ethyl acetate

Concen: 18.678 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Tgt Ion: 43 Resp: 156206

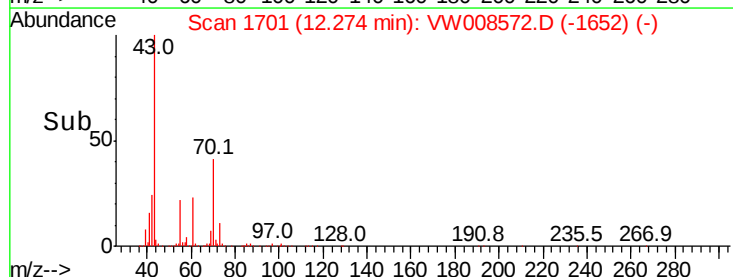
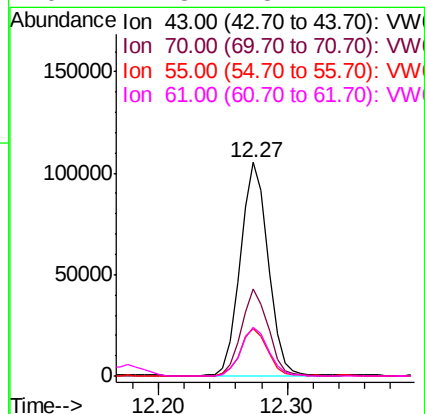
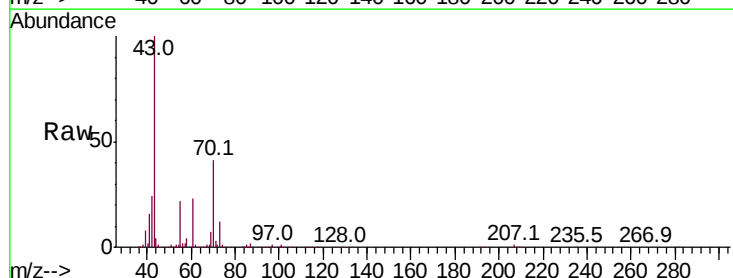
Ion Ratio Lower Upper

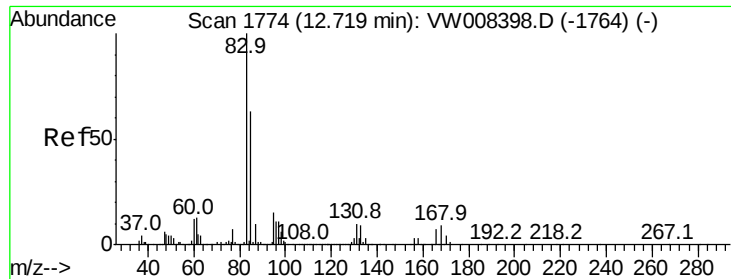
43 100

70 39.7 31.0 46.6

55 21.8 17.4 26.2

61 22.8 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.638 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

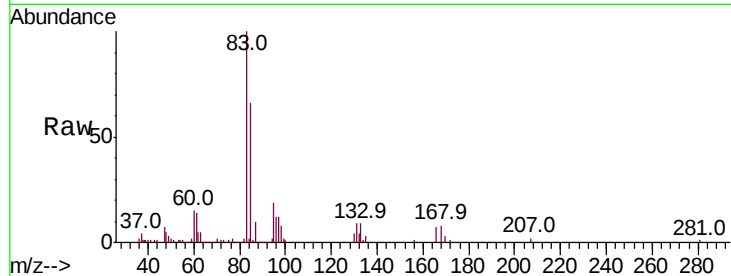
Tot Ion: 83 Resp: 95791

Ion Ratio Lower Upper

83 100

131 11.5 5.5 16.4

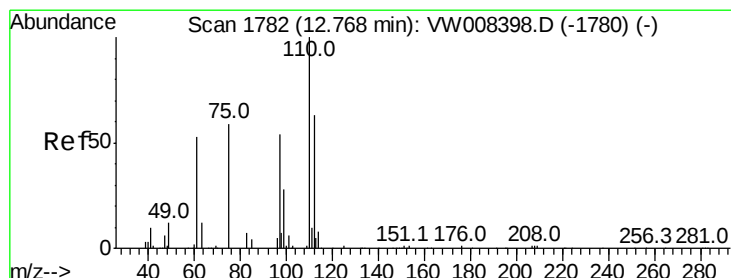
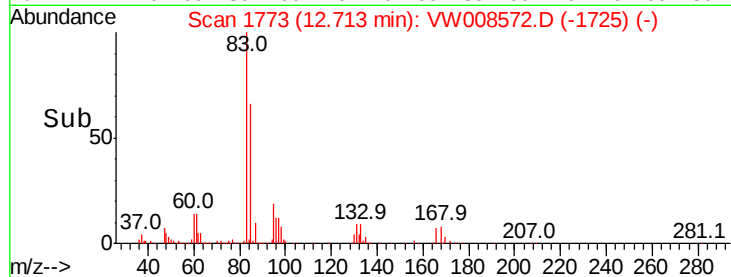
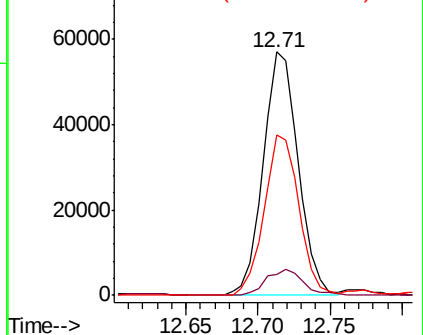
85 65.5 31.9 95.5



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: 36.746 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008572.D

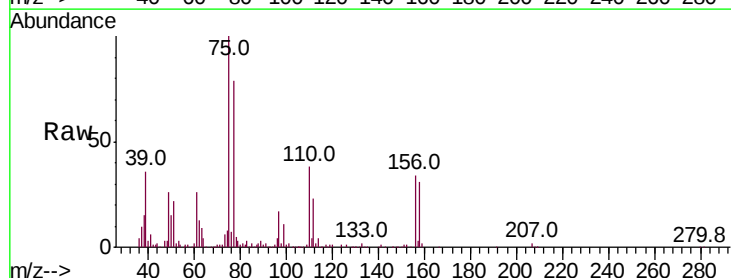
Acq: 08 Feb 2019 14:21

Tgt Ion: 75 Resp: 139113

Ion Ratio Lower Upper

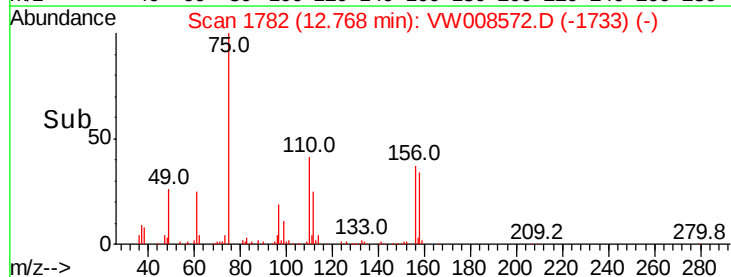
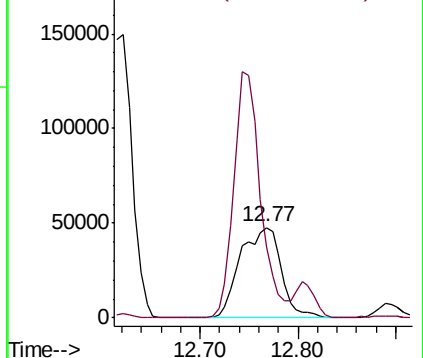
75 100

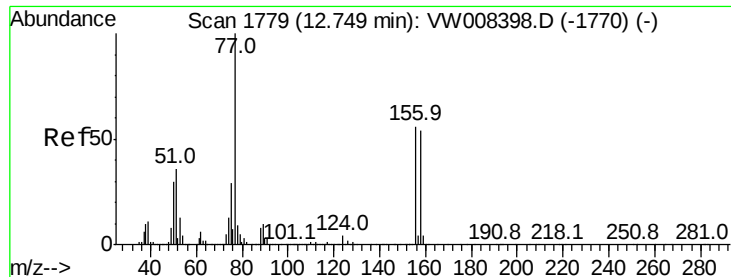
77 0.0 180.7 542.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 17.469 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

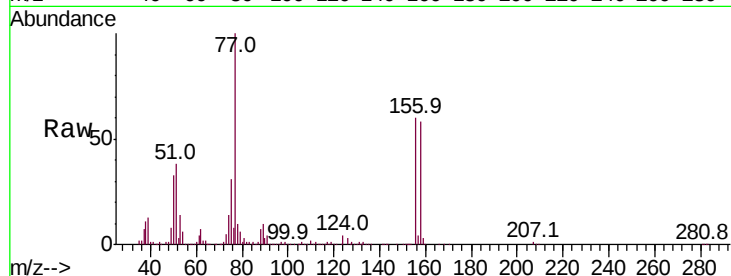
Tot Ion:156 Resp: 123845

Ion Ratio Lower Upper

156 100

77 198.7 96.9 290.7

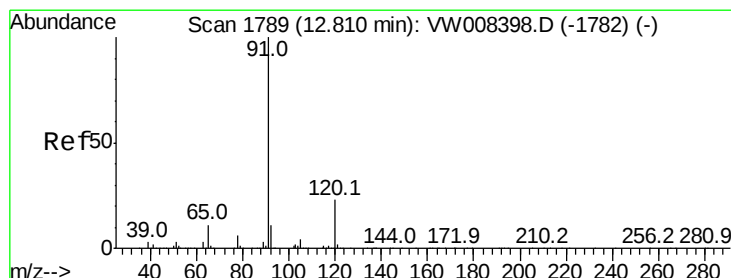
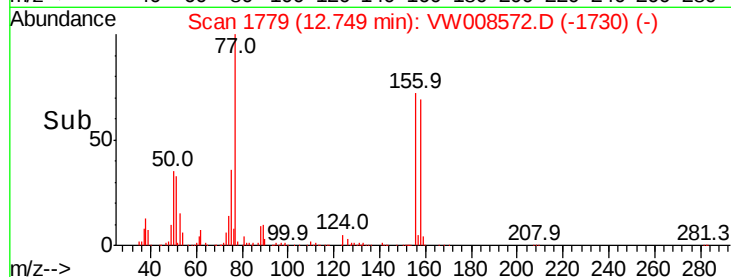
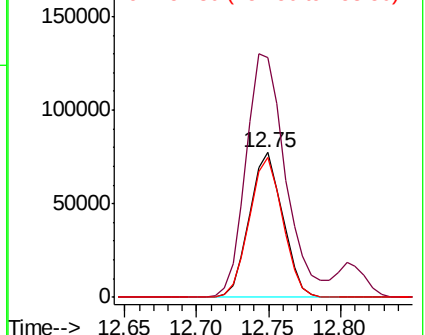
158 96.7 48.8 146.4



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: 17.565 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008572.D

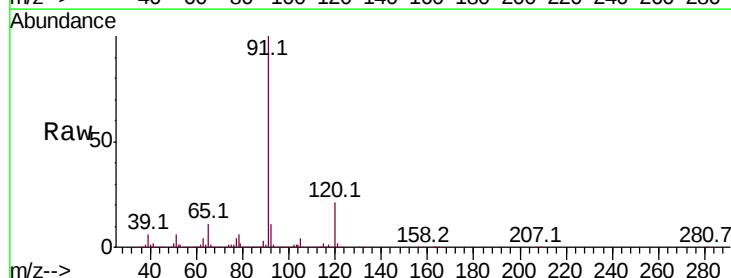
Acq: 08 Feb 2019 14:21

Tgt Ion: 91 Resp: 684869

Ion Ratio Lower Upper

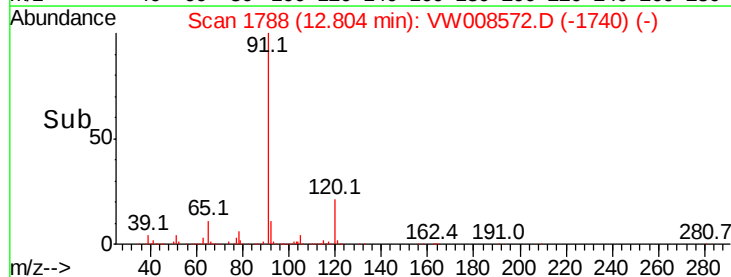
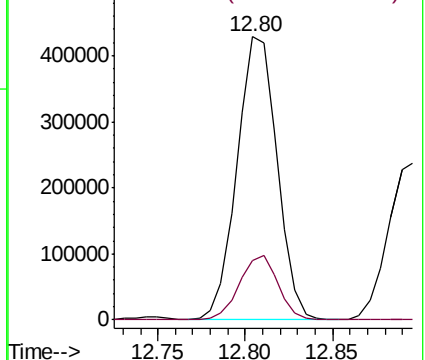
91 100

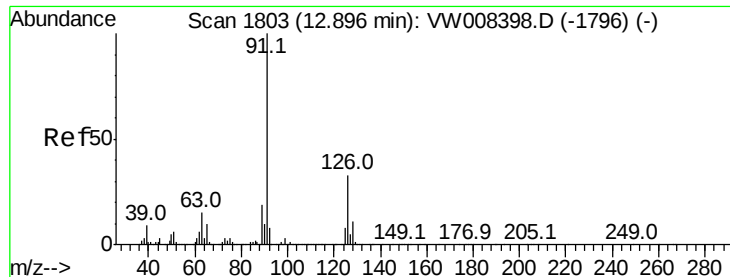
120 22.0 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.733 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

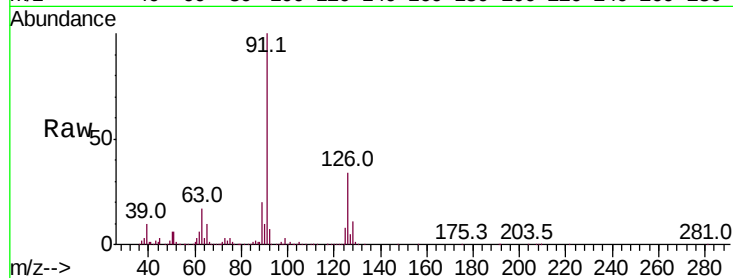
VW0208SBSD01

Tot Ion: 91 Resp: 390151

Ion Ratio Lower Upper

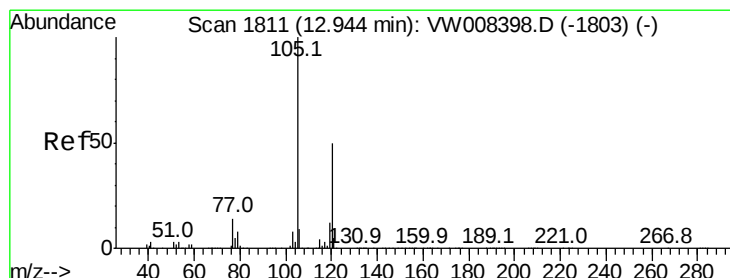
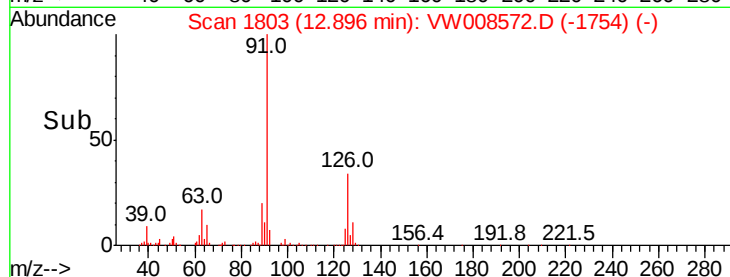
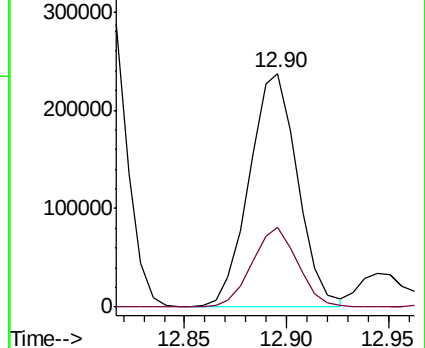
91 100

126 32.4 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: 17.572 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008572.D

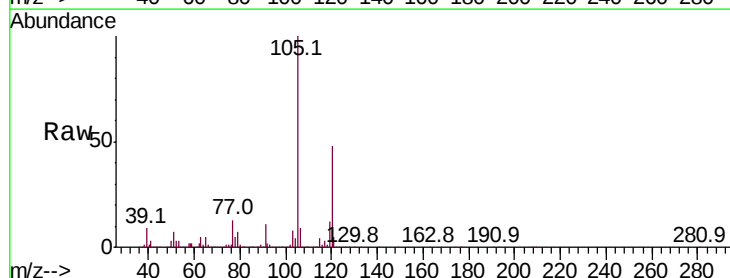
Acq: 08 Feb 2019 14:21

Tgt Ion:105 Resp: 476786

Ion Ratio Lower Upper

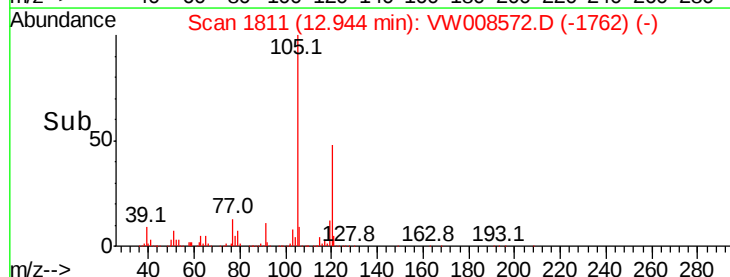
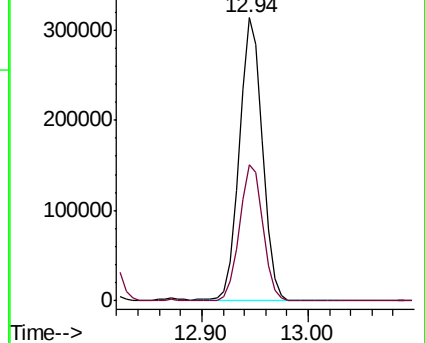
105 100

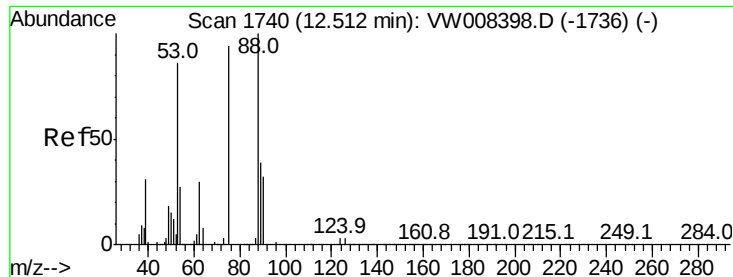
120 48.8 24.6 73.8



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: 17.514 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

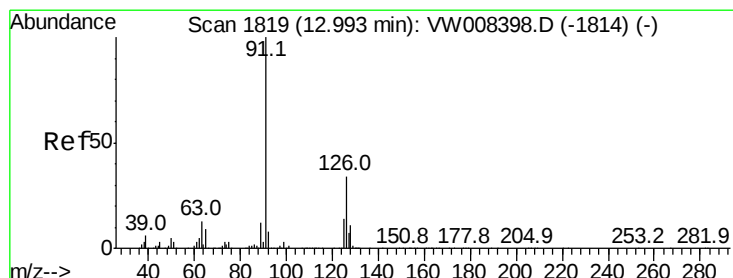
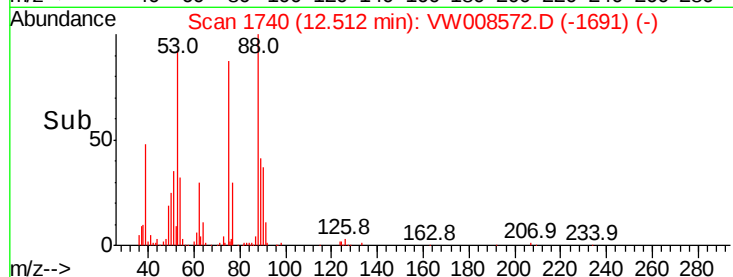
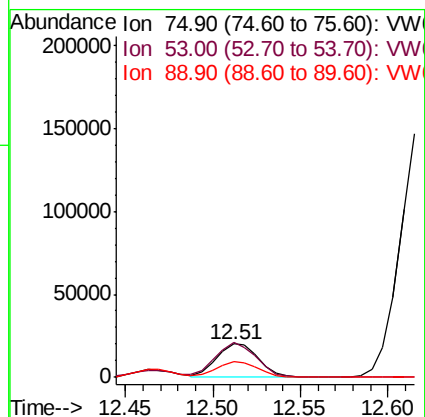
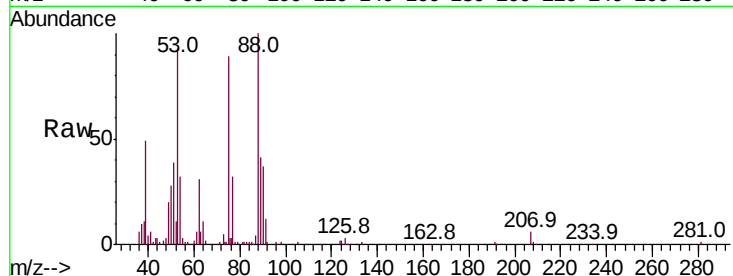
Tot Ion: 75 Resp: 33570

Ion Ratio Lower Upper

75 100

53 100.7 76.0 114.0

89 46.3 35.4 53.0



#82

4-Chlorotoluene

Concen: 17.504 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW008572.D

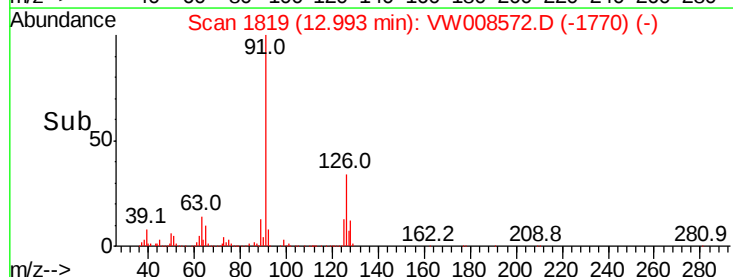
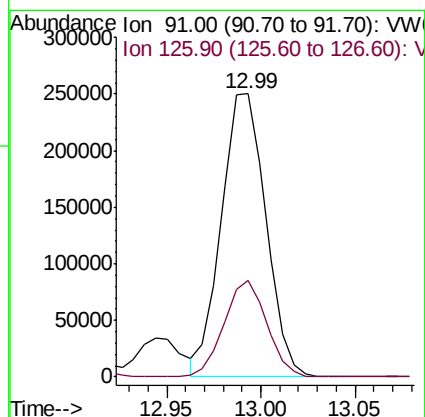
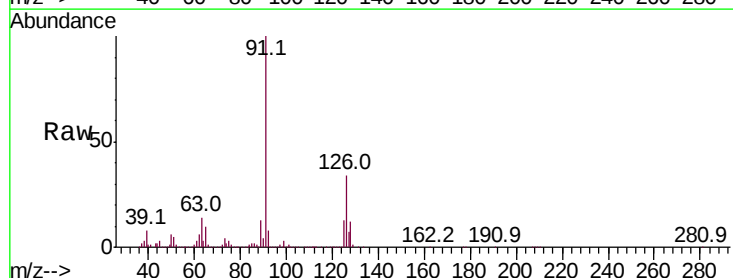
Acq: 08 Feb 2019 14:21

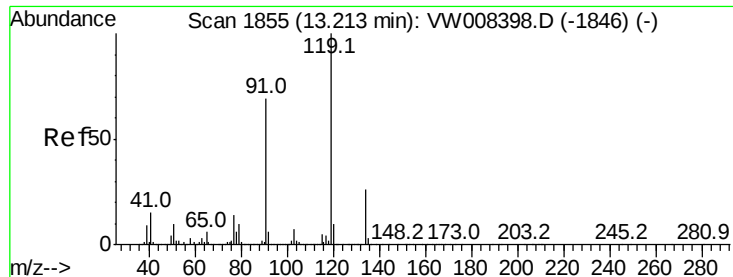
Tgt Ion: 91 Resp: 410031

Ion Ratio Lower Upper

91 100

126 32.7 16.4 49.2





#83

tert-Butylbenzene

Concen: 17.519 ug/l

RT: 13.21 min Scan# 1854

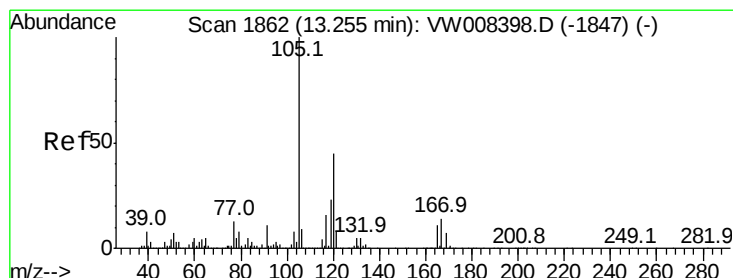
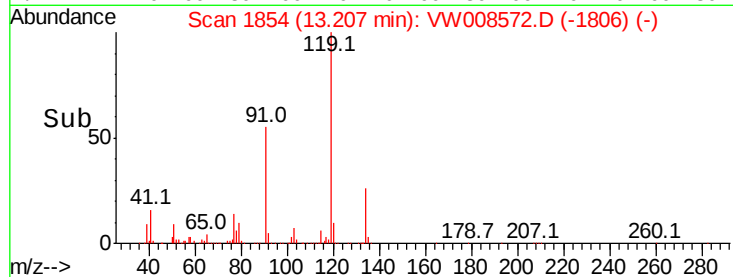
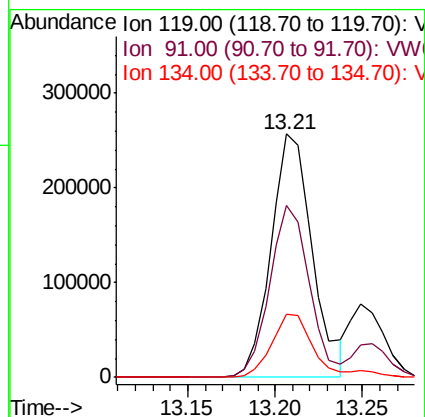
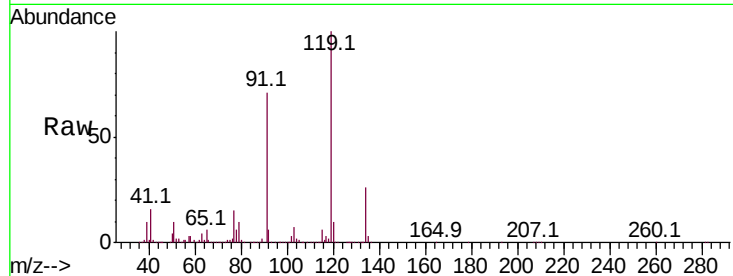
Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	33.8	101.4
134	26.9	13.5	40.4



#84

1,2,4-Trimethylbenzene

Concen: 17.719 ug/l

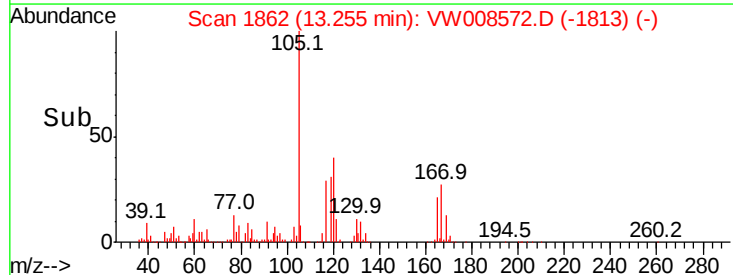
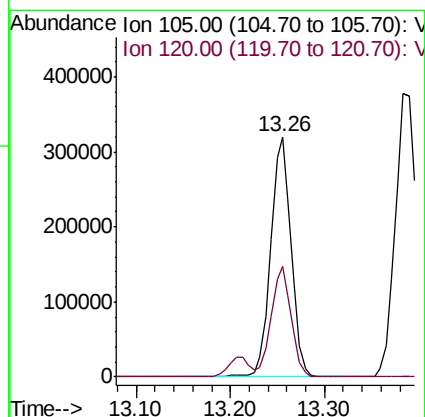
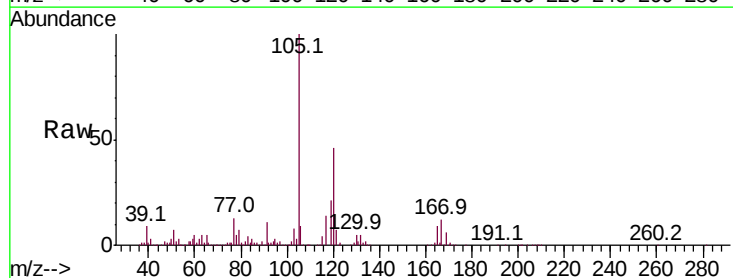
RT: 13.26 min Scan# 1862

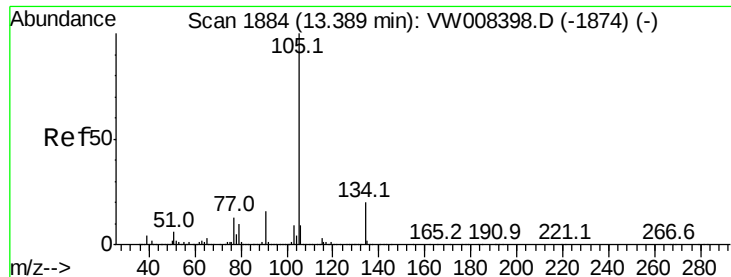
Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	23.1	69.2





#85

sec-Butylbenzene

Concen: 17.323 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

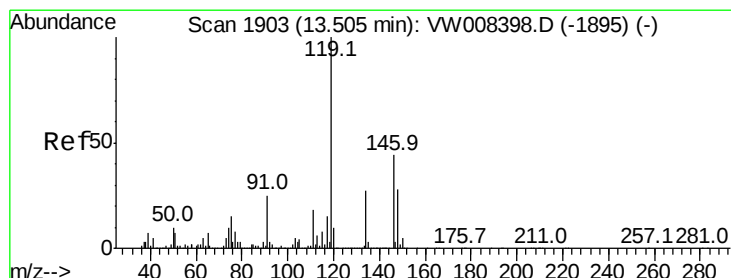
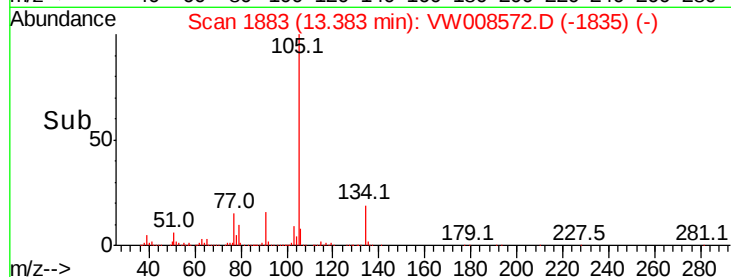
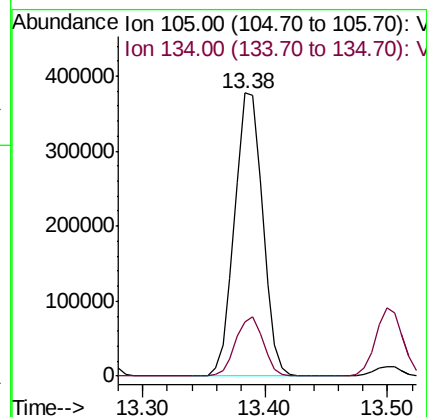
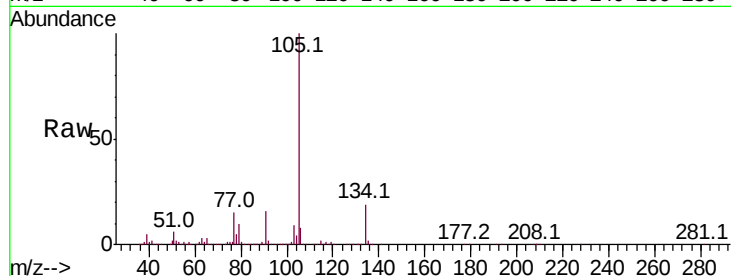
VW0208SBSD01

Tot Ion:105 Resp: 597360

Ion Ratio Lower Upper

105 100

134 20.7 10.2 30.6



#86

p-Isopropyltoluene

Concen: 17.578 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

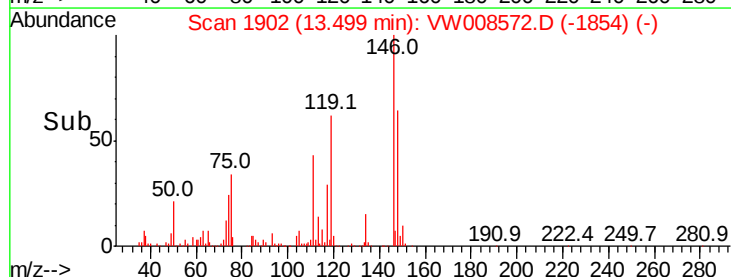
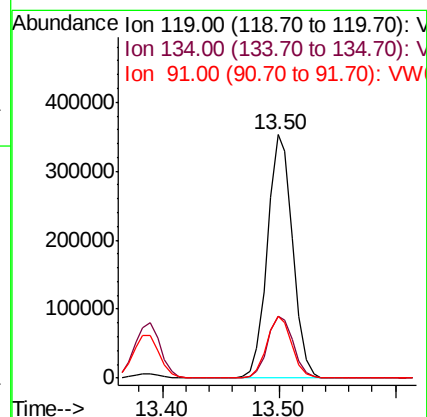
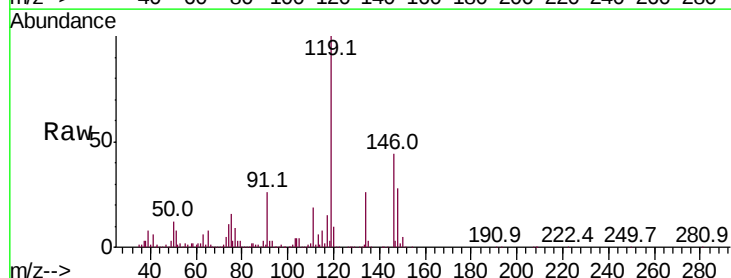
Tgt Ion:119 Resp: 530940

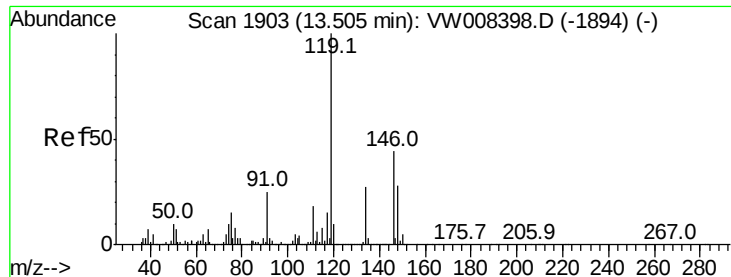
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 25.1 12.6 37.6





#87

1,3-Dichlorobenzene

Concen: 17.705 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBS01

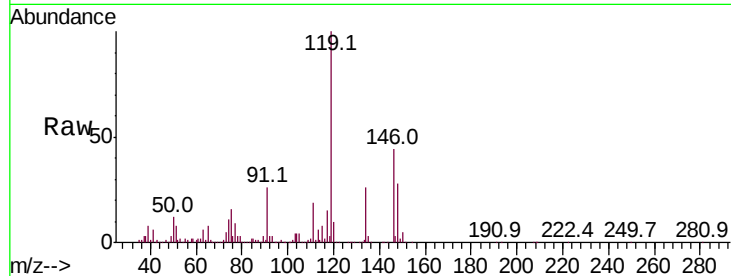
Tot Ion:146 Resp: 253505

Ion Ratio Lower Upper

146 100

111 41.9 20.3 60.9

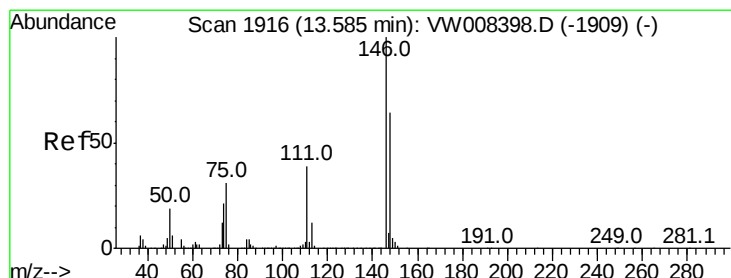
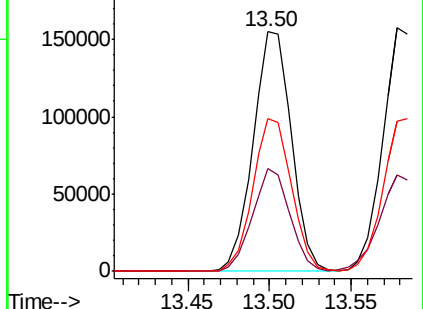
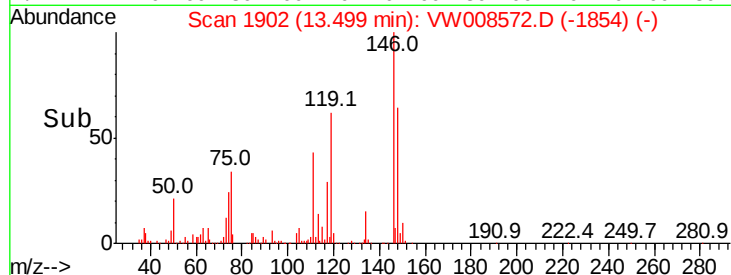
148 64.1 31.9 95.7



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: 18.024 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

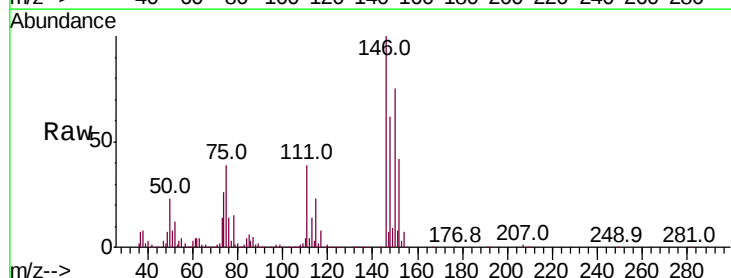
Tgt Ion:146 Resp: 256475

Ion Ratio Lower Upper

146 100

111 41.9 20.0 60.0

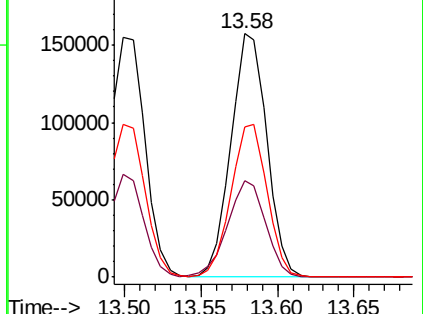
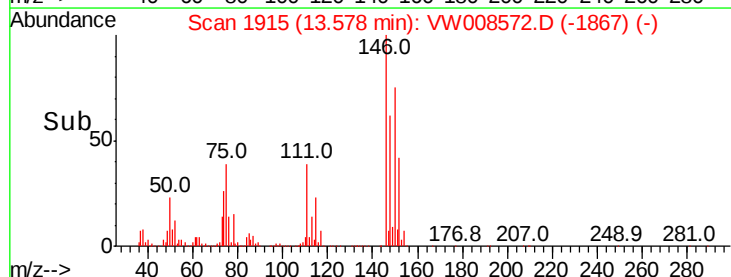
148 63.3 32.0 96.2

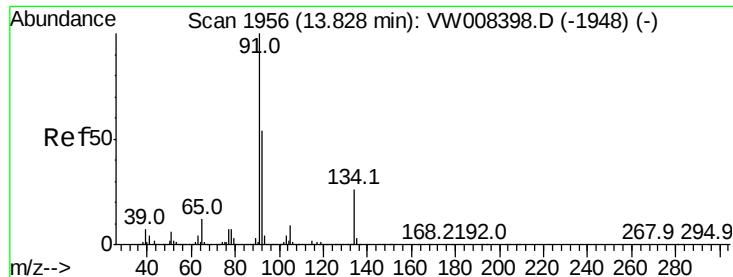


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 17.511 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

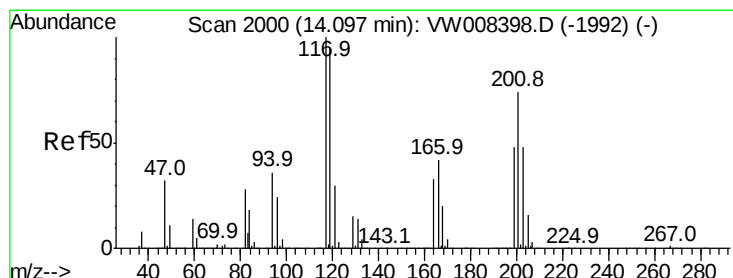
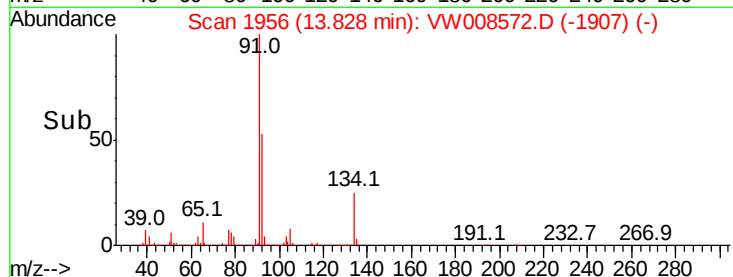
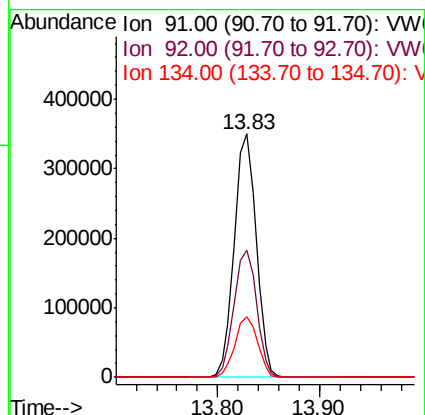
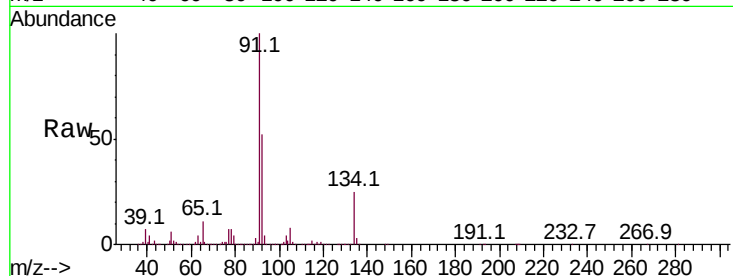
Tot Ion: 91 Resp: 519344

Ion Ratio Lower Upper

91 100

92 54.0 27.4 82.2

134 25.5 13.0 39.0



#90

Hexachloroethane

Concen: 16.699 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008572.D

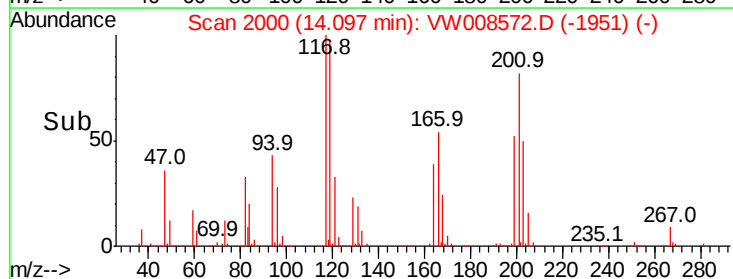
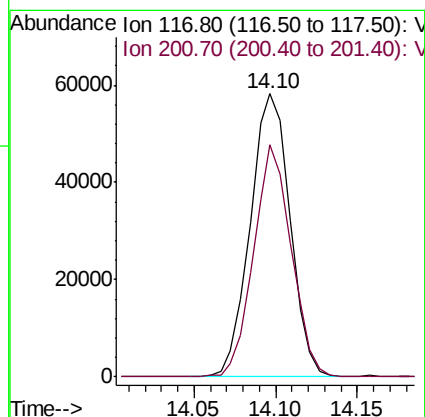
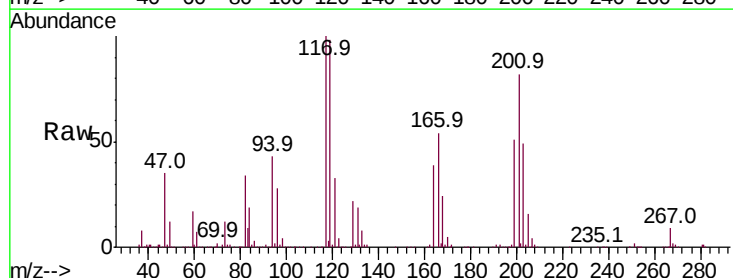
Acq: 08 Feb 2019 14:21

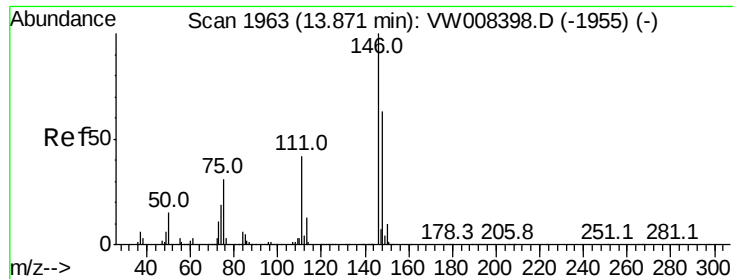
Tgt Ion: 117 Resp: 98643

Ion Ratio Lower Upper

117 100

201 77.8 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 18.027 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

Instrument :

MSVOA_W

ClientSampled :

VW0208SBS01

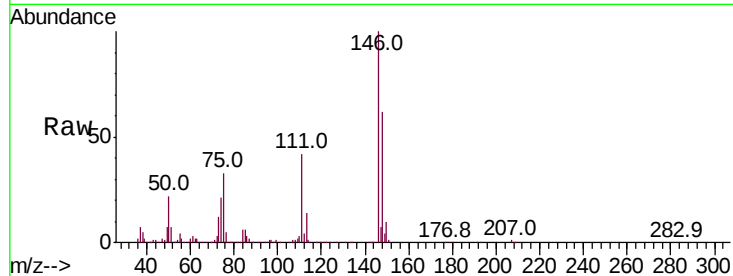
Tot Ion:146 Resp: 228379

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

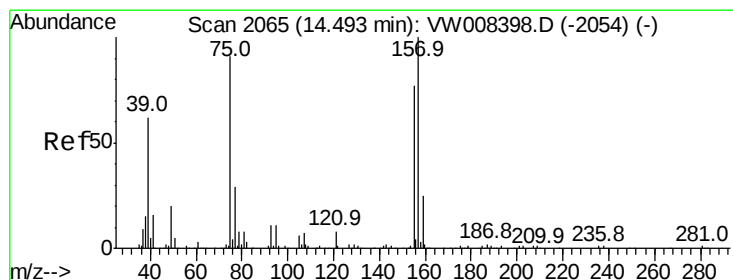
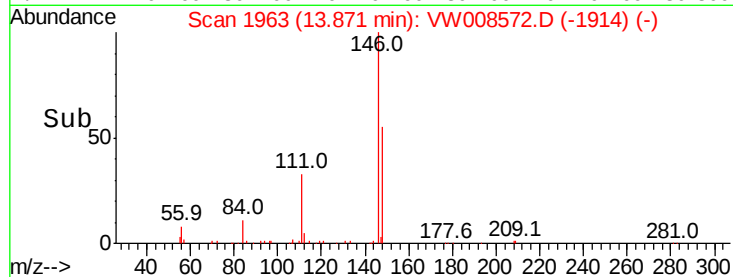
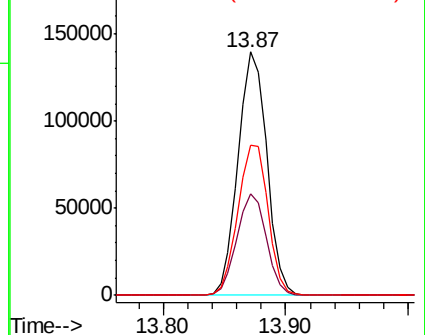
148 64.6 31.9 95.5



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: 19.194 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008572.D

Acq: 08 Feb 2019 14:21

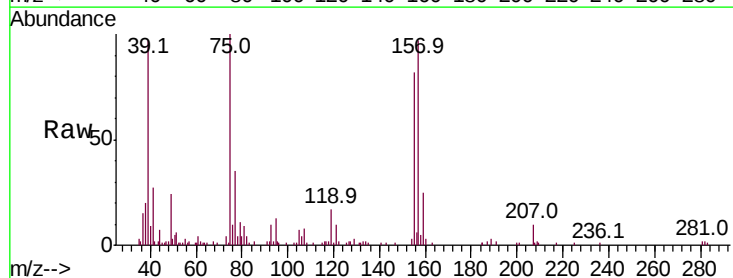
Tgt Ion: 75 Resp: 18717

Ion Ratio Lower Upper

75 100

155 77.5 42.7 128.1

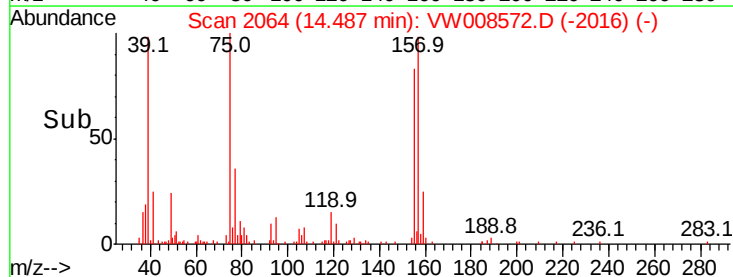
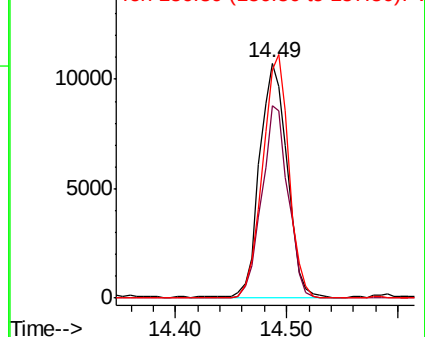
157 97.4 55.5 166.3

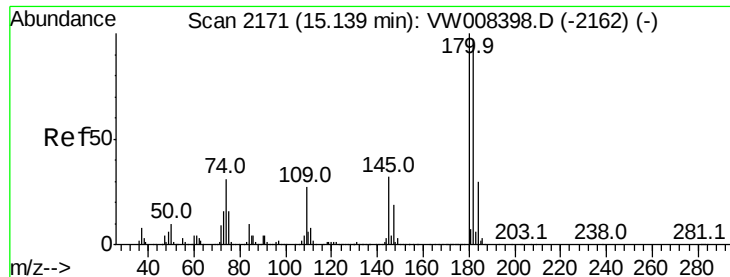


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

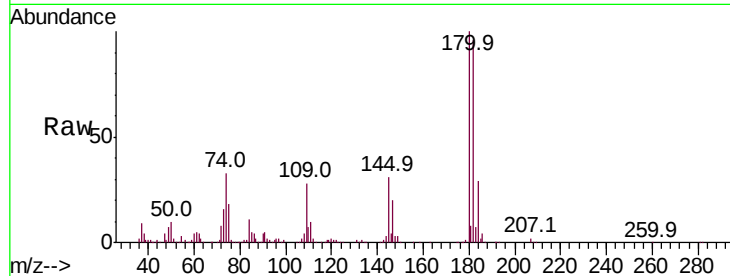




#93
 1,2,4-Trichlorobenzene
 Concen: 17.985 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	47.9	143.7
145	30.7	15.5	46.5

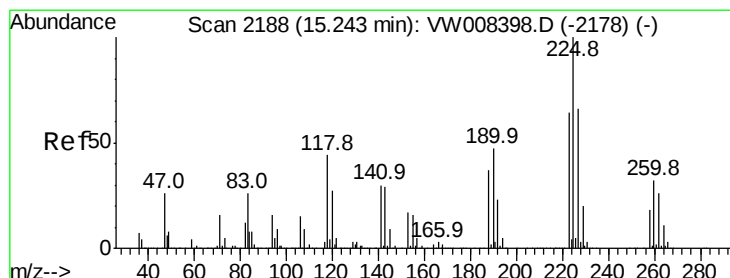
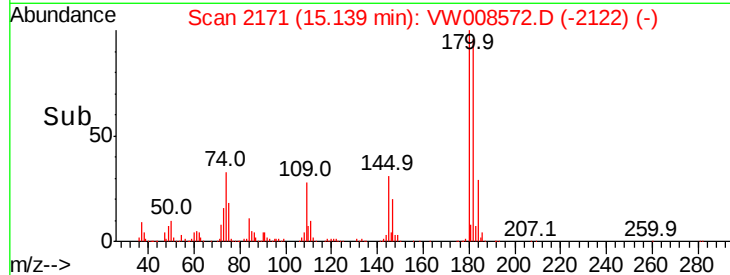
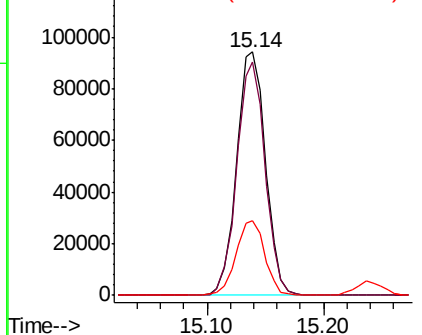


Abundance

Ion 179.80 (179.50 to 180.50): V

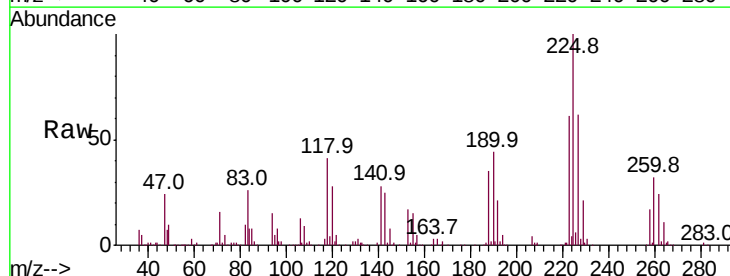
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 18.117 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008572.D
 Acq: 08 Feb 2019 14:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.7	95.1
227	62.0	32.1	96.3

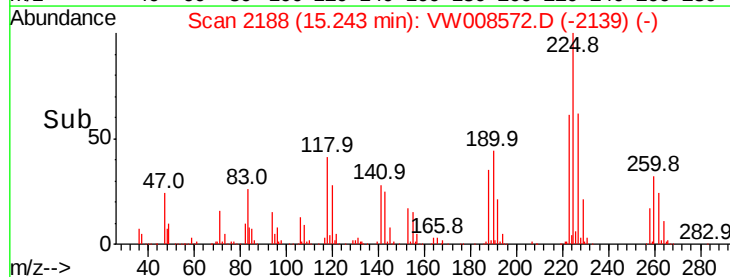
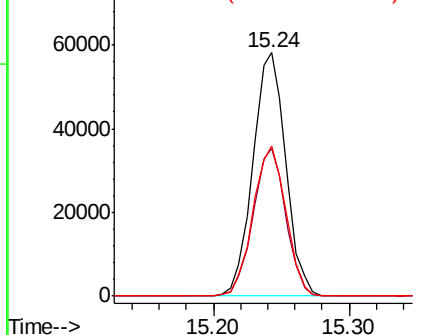


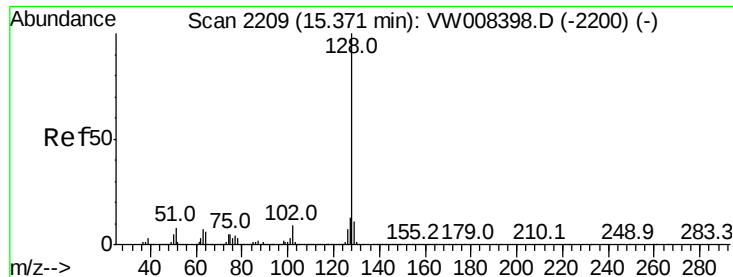
Abundance

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

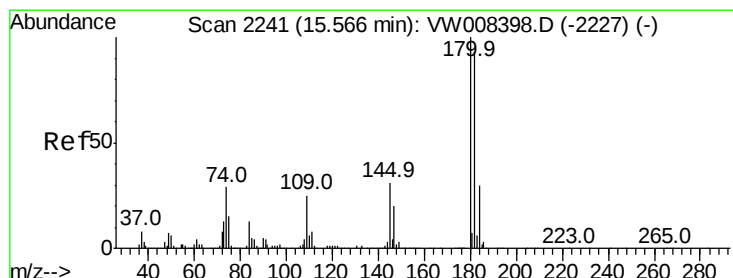
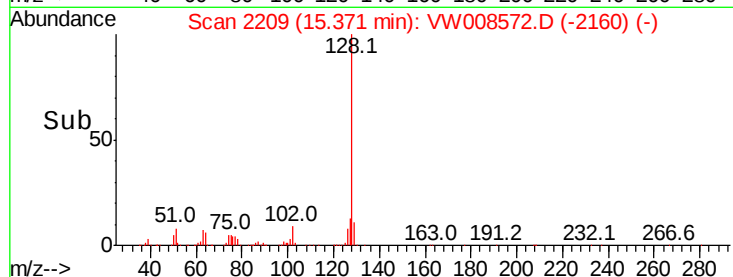
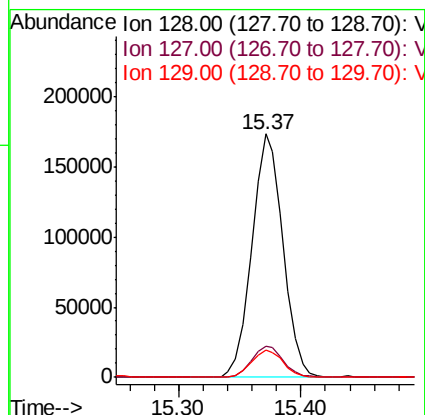
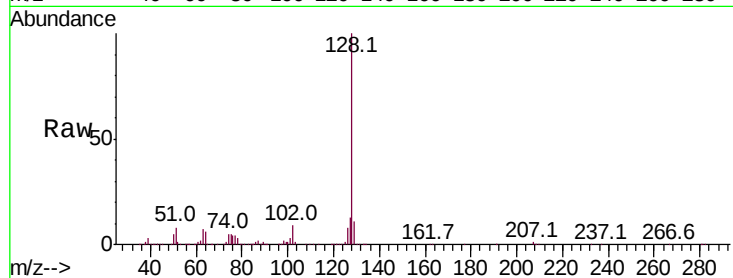




#95
Naphthalene
Concen: 19.211 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	11.3	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 18.362 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008572.D
Acq: 08 Feb 2019 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.0	141.2
145	31.8	15.9	47.6

