

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008583.D
 Acq On : 08 Feb 2019 20:06
 Operator : SY/VA
 Sample : VW0208SBSD01
 Misc : 6.57G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

Quant Time: Feb 09 00:28:47 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	432692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	690144	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	616182	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	321100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	217226	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
35) Dibromofluoromethane	7.88	113	194669	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
50) Toluene-d8	10.32	98	733986	45.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.72%	
62) 4-Bromofluorobenzene	12.62	95	280640	45.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	37379	17.229	ug/l	96
3) Chloromethane	2.21	50	65697	18.601	ug/l	99
4) Vinyl Chloride	2.36	62	88825	19.756	ug/l	96
5) Bromomethane	2.78	94	67795	23.378	ug/l	92
6) Chloroethane	2.92	64	65764	23.917	ug/l	96
7) Trichlorofluoromethane	3.25	101	60869	18.819	ug/l	96
8) Diethyl Ether	3.67	74	49263	22.830	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	74666	19.079	ug/l	98
10) Methyl Iodide	4.26	142	121654	19.681	ug/l	99
11) Tert butyl alcohol	5.18	59	36025	105.263	ug/l #	85
12) 1,1-Dichloroethene	4.03	96	73425	18.539	ug/l	98
13) Acrolein	3.89	56	24980	85.529	ug/l	99
14) Allyl chloride	4.65	41	133071	17.694	ug/l	97
15) Acrylonitrile	5.37	53	102639	110.155	ug/l	99
16) Acetone	4.12	43	90333	94.631	ug/l	98
17) Carbon Disulfide	4.37	76	204739	16.186	ug/l	97
18) Methyl Acetate	4.67	43	55125	21.651	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	151332	23.094	ug/l	96
20) Methylene Chloride	4.90	84	93648	21.285	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	84583	18.996	ug/l	98
22) Diisopropyl ether	6.31	45	280846	19.704	ug/l	94
23) Vinyl Acetate	6.25	43	871583	103.559	ug/l	98
24) 1,1-Dichloroethane	6.21	63	154213	19.114	ug/l	99
25) 2-Butanone	7.17	43	145351	109.625	ug/l	95
26) 2,2-Dichloropropane	7.16	77	97034	17.793	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	98400	20.278	ug/l	97
28) Bromochloromethane	7.51	49	76113	20.540	ug/l #	15
29) Tetrahydrofuran	7.53	42	97473	116.009	ug/l	99
30) Chloroform	7.67	83	159080	20.046	ug/l	98
31) Cyclohexane	7.95	56	147048	17.626	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	131383	19.168	ug/l	100
36) 1,1-Dichloropropene	8.08	75	123150	18.890	ug/l	99
37) Ethyl Acetate	7.25	43	65654	22.763	ug/l	97
38) Carbon Tetrachloride	8.06	117	122814	18.721	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW020819\
 Data File : VW008583.D
 Acq On : 08 Feb 2019 20:06
 Operator : SY/VA
 Sample : VW0208SBS01
 Misc : 6.57G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBS01

Quant Time: Feb 09 00:28:47 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)
39) Methylcyclohexane	9.33	83	153473	17.921	ug/l	99
40) Benzene	8.32	78	345602	19.105	ug/l	99
41) Methacrylonitrile	7.48	41	37899	22.191	ug/l	98
42) 1,2-Dichloroethane	8.40	62	114262	21.796	ug/l	100
43) Isopropyl Acetate	8.43	43	132739	22.152	ug/l	99
44) Trichloroethene	9.09	130	96042	19.524	ug/l	95
45) 1,2-Dichloropropane	9.37	63	88175	19.549	ug/l	97
46) Dibromomethane	9.46	93	48970	21.109	ug/l	97
47) Bromodichloromethane	9.64	83	121934	19.871	ug/l	99
48) Methyl methacrylate	9.43	41	60214	20.551	ug/l	98
49) 1,4-Dioxane	9.46	88	17250	439.897	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	341203	115.259	ug/l	99
52) Toluene	10.38	92	221089	18.514	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	123934	18.981	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	142545	19.237	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	71572	22.242	ug/l	96
56) Ethyl methacrylate	10.65	69	93309	20.694	ug/l	99
57) 1,3-Dichloropropane	10.93	76	121359	21.052	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	252456	115.237	ug/l	97
59) 2-Hexanone	10.97	43	232308	111.160	ug/l	98
60) Dibromochloromethane	11.13	129	81811	19.784	ug/l	99
61) 1,2-Dibromoethane	11.23	107	67955	21.298	ug/l	96
64) Tetrachloroethene	10.86	164	84768	20.319	ug/l	98
65) Chlorobenzene	11.66	112	251851	20.022	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	88663	19.701	ug/l	98
67) Ethyl Benzene	11.73	91	438004	18.944	ug/l	99
68) m/p-Xylenes	11.84	106	339005	37.789	ug/l	99
69) o-Xylene	12.16	106	161453	18.942	ug/l	99
70) Styrene	12.18	104	261969	18.606	ug/l	97
71) Bromoform	12.35	173	50431	19.917	ug/l #	97
73) Isopropylbenzene	12.46	105	444098	18.552	ug/l	99
74) N-amyl acetate	12.27	43	128413	20.823	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	81826	21.590	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	111061	39.782	ug/l #	1
77) Bromobenzene	12.75	156	105272	20.136	ug/l	96
78) n-propylbenzene	12.80	91	527186	18.336	ug/l	99
79) 2-Chlorotoluene	12.89	91	302189	18.625	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	369077	18.446	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	25961	18.367	ug/l	92
82) 4-Chlorotoluene	12.99	91	314944	18.232	ug/l	97
83) tert-Butylbenzene	13.21	119	326428	18.333	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	383011	18.833	ug/l	99
85) sec-Butylbenzene	13.38	105	467319	18.378	ug/l	100
86) p-Isopropyltoluene	13.50	119	416606	18.704	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	210285	19.917	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	206174	19.649	ug/l	99
89) n-Butylbenzene	13.83	91	390145	17.839	ug/l	99
90) Hexachloroethane	14.10	117	77508	17.794	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	189892	20.326	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	14471	20.124	ug/l	97

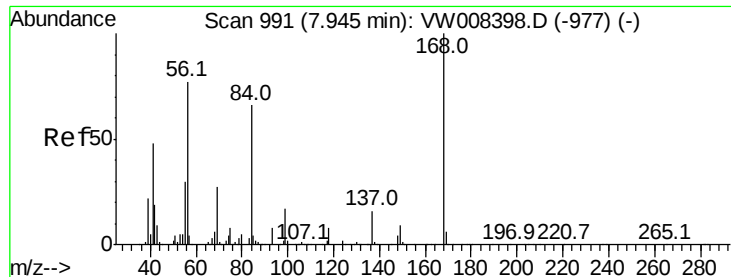
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW020819\
Data File : VW008583.D
Acq On : 08 Feb 2019 20:06
Operator : SY/VA
Sample : VW0208SBSD01
Misc : 6.57G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
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Quant Time: Feb 09 00:28:47 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	15.14	180	132196	19.829	ug/l	98
94) Hexachlorobutadiene	15.24	225	77757	19.353	ug/l	100
95) Naphthalene	15.37	128	255094	21.792	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	117503	20.778	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

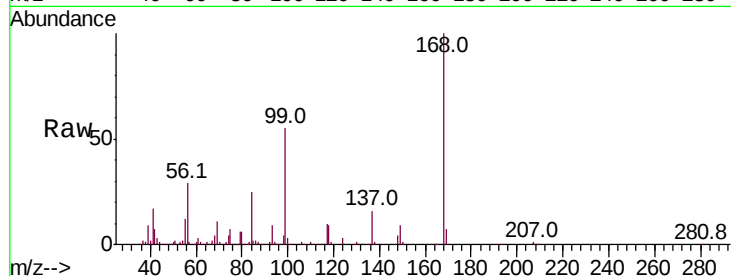
VW0208SBSD01

Tot Ion:168 Resp: 432692

Ion Ratio Lower Upper

168 100

99 55.2 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

200000

150000

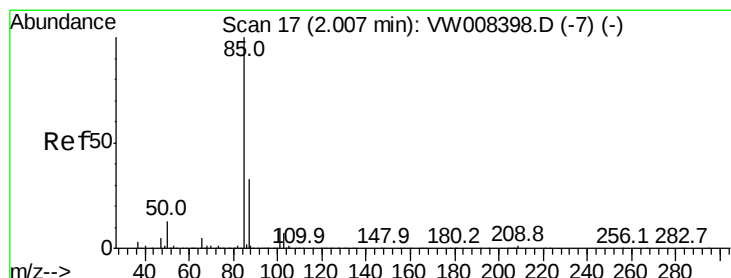
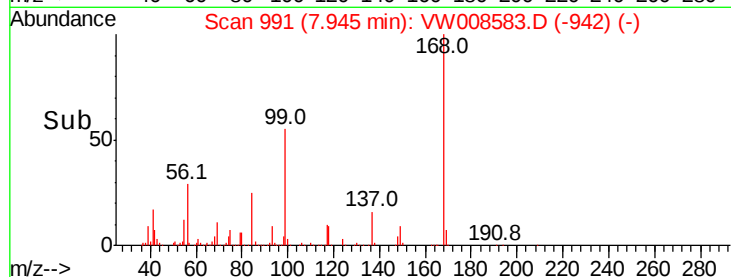
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.229 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW008583.D

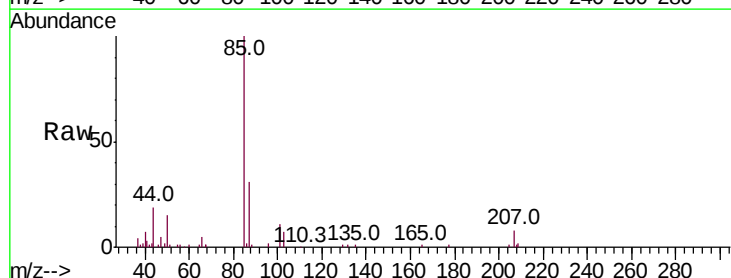
Acq: 08 Feb 2019 20:06

Tgt Ion: 85 Resp: 37379

Ion Ratio Lower Upper

85 100

87 30.9 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

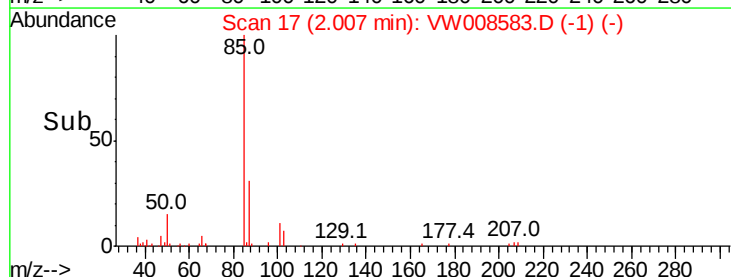
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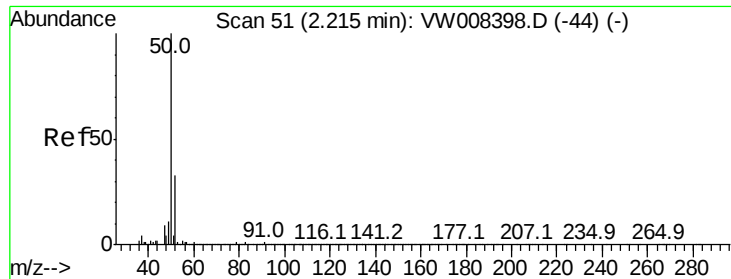
5000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 18.601 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

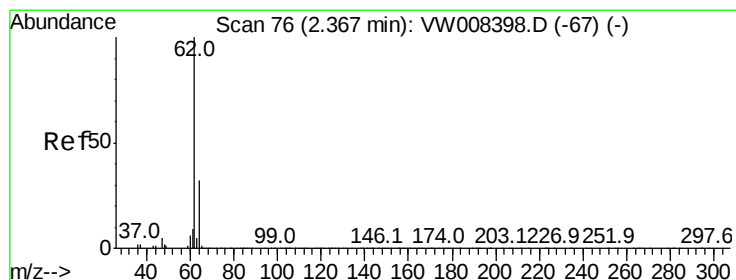
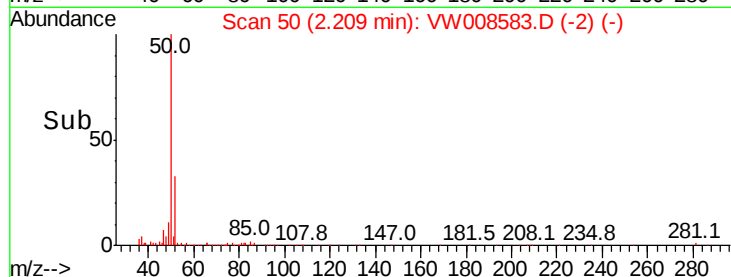
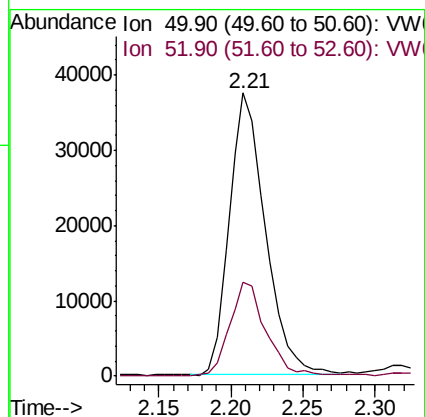
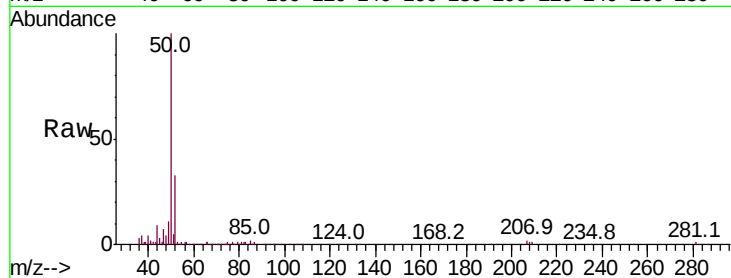
VW0208SBSD01

Tot Ion: 50 Resp: 65697

Ion Ratio Lower Upper

50 100

52 33.5 26.3 39.5



#4

Vinyl Chloride

Concen: 19.756 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008583.D

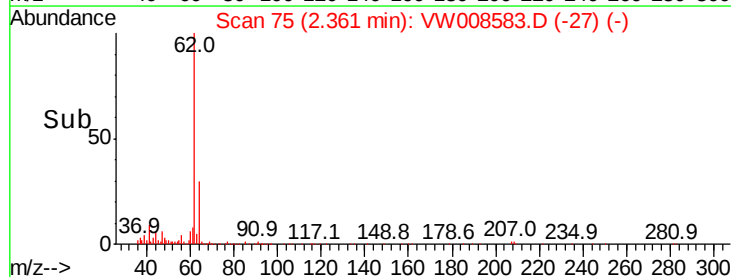
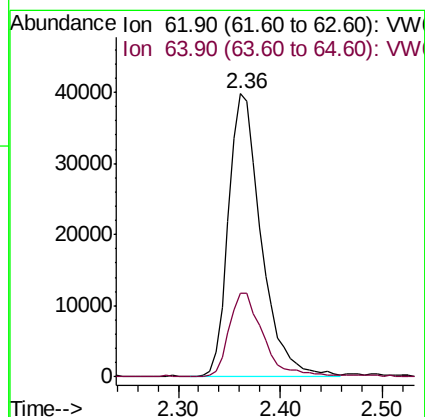
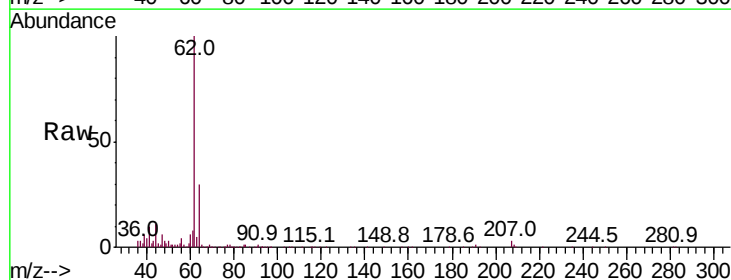
Acq: 08 Feb 2019 20:06

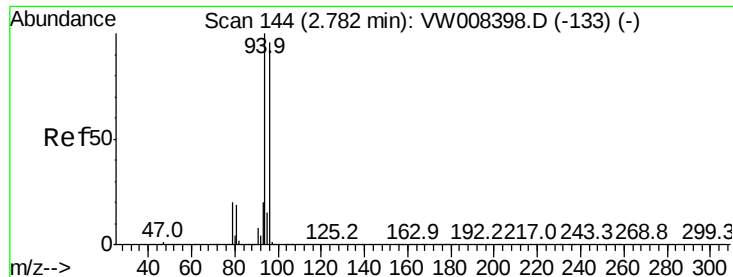
Tgt Ion: 62 Resp: 88825

Ion Ratio Lower Upper

62 100

64 29.6 25.5 38.3





#5

Bromomethane

Concen: 23.378 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

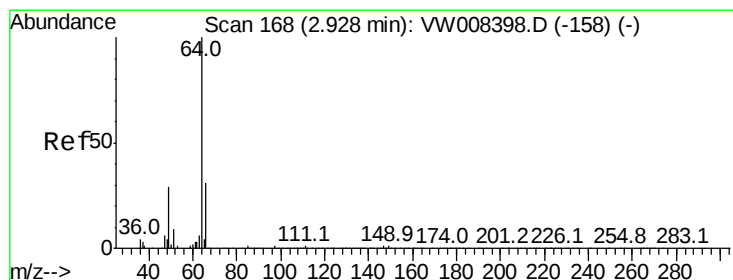
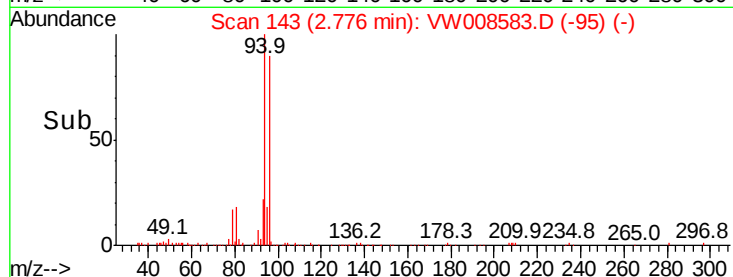
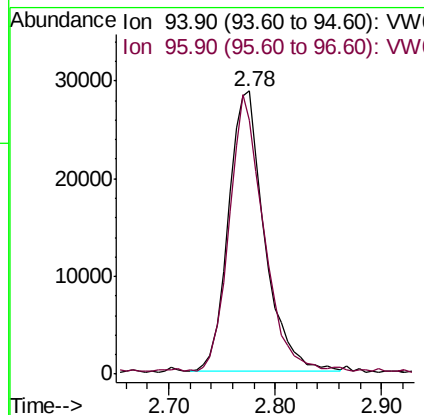
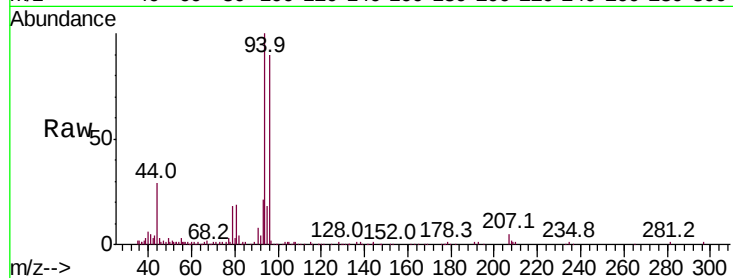
VW0208SBSD01

Tot Ion: 94 Resp: 67795

Ion Ratio Lower Upper

94 100

96 89.1 77.2 115.8



#6

Chloroethane

Concen: 23.917 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008583.D

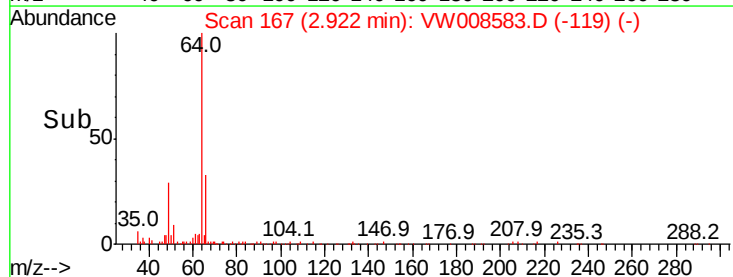
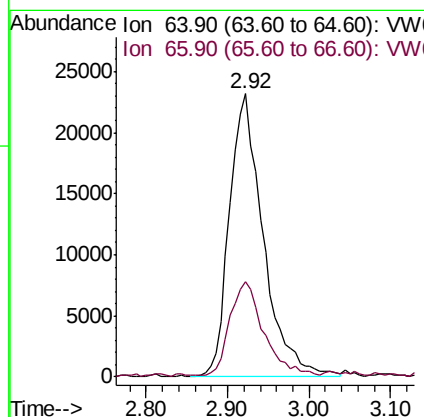
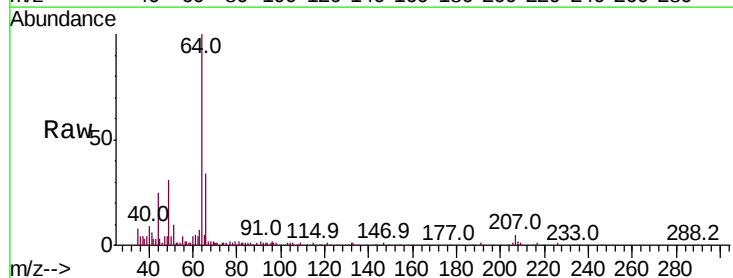
Acq: 08 Feb 2019 20:06

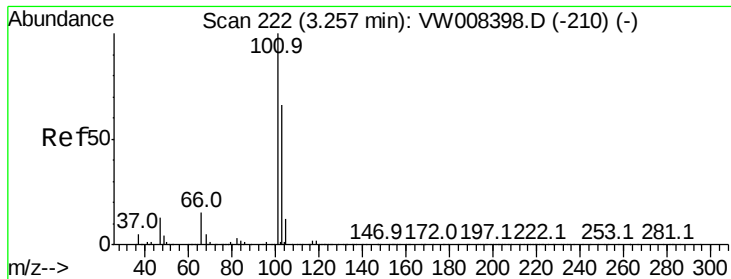
Tgt Ion: 64 Resp: 65764

Ion Ratio Lower Upper

64 100

66 33.4 24.9 37.3



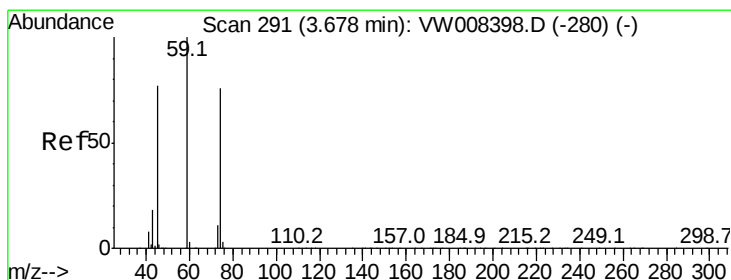
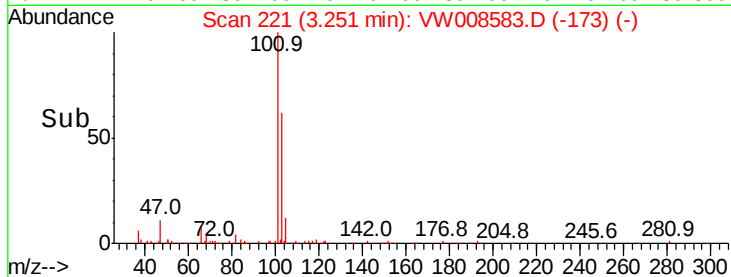
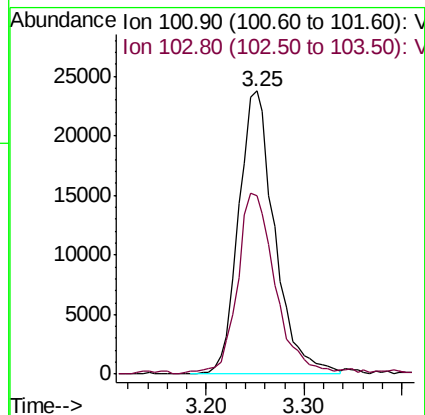
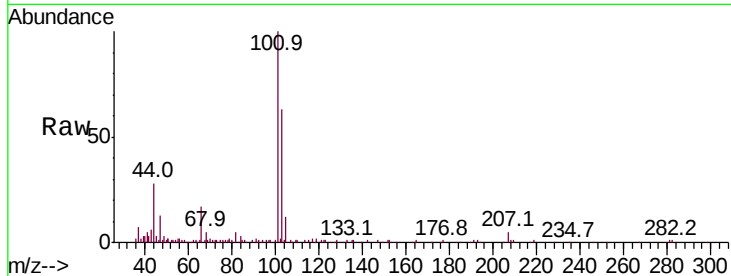


#7

Trichlorofluoromethane
Concen: 18.819 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

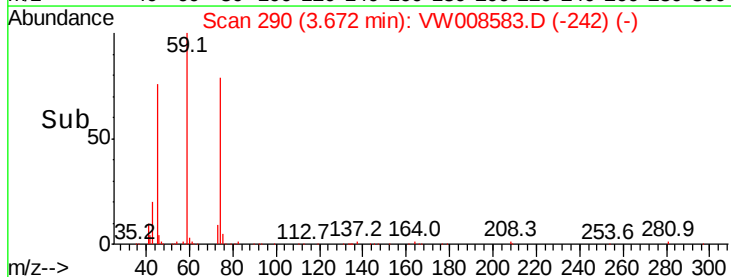
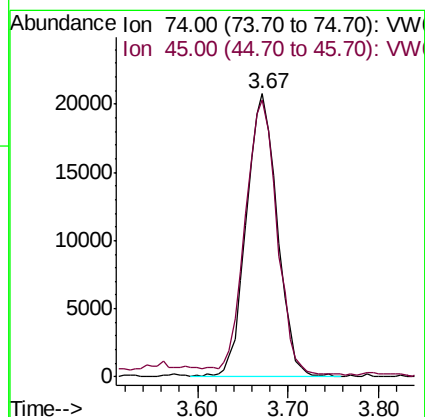
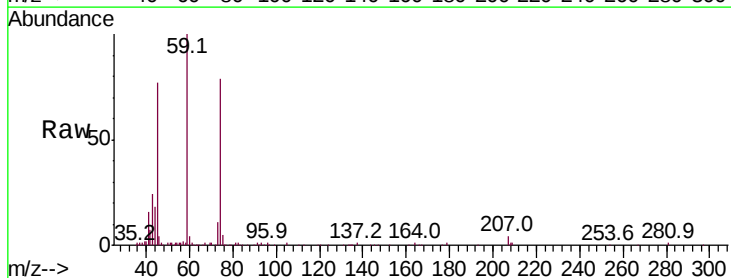
Tot Ion:101 Resp: 60869
Ion Ratio Lower Upper
101 100
103 62.1 52.5 78.7

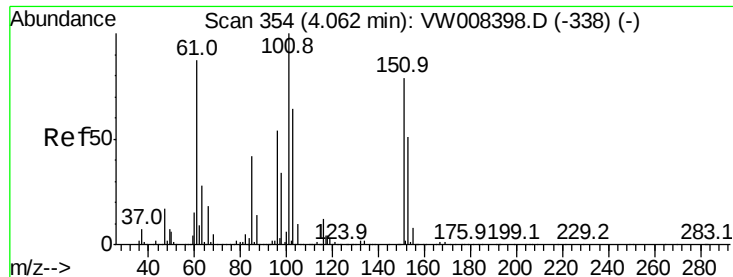


#8

Diethyl Ether
Concen: 22.830 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 74 Resp: 49263
Ion Ratio Lower Upper
74 100
45 99.2 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.079 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

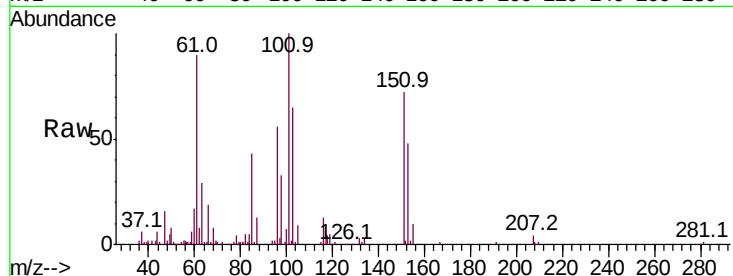
Tot Ion:101 Resp: 74666

Ion Ratio Lower Upper

101 100

85 46.1 35.0 52.4

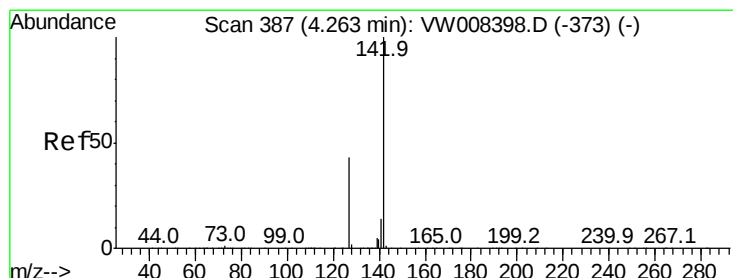
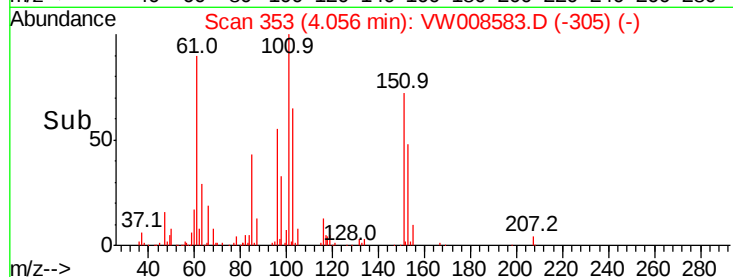
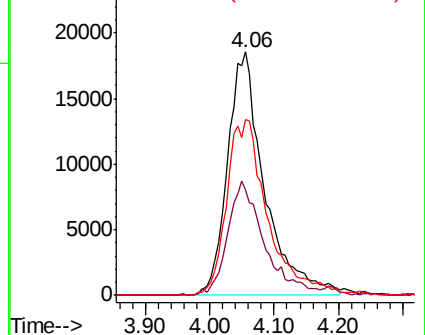
151 79.7 62.6 94.0



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: 19.681 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

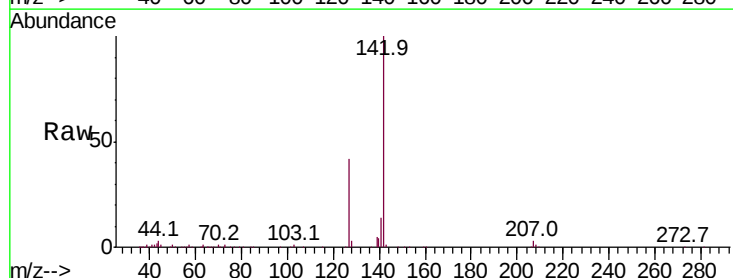
Tgt Ion:142 Resp: 121654

Ion Ratio Lower Upper

142 100

127 44.0 34.6 52.0

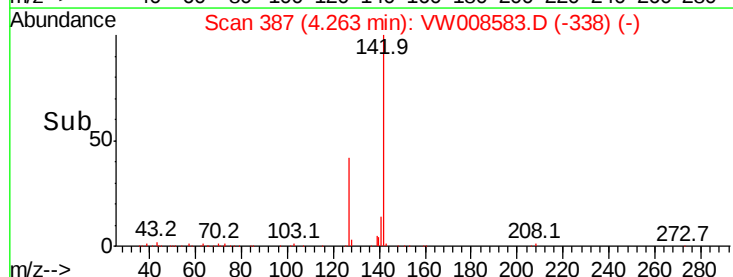
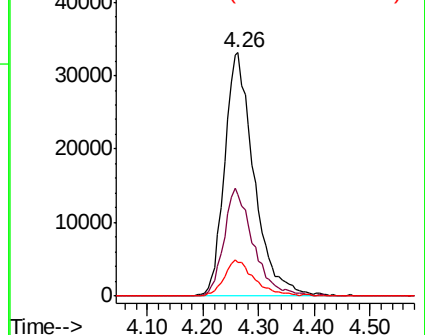
141 15.1 11.4 17.2

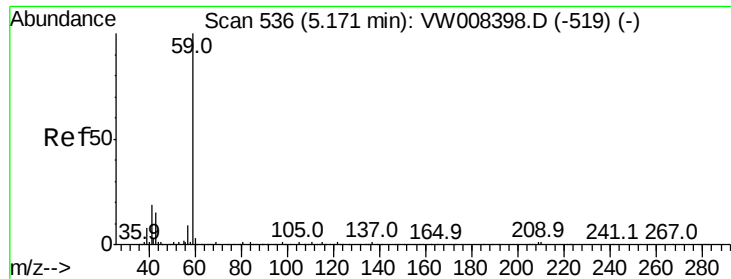


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

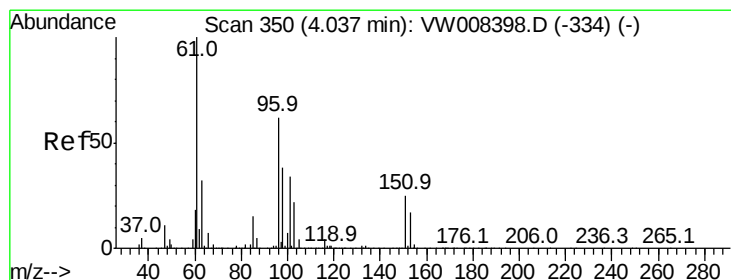
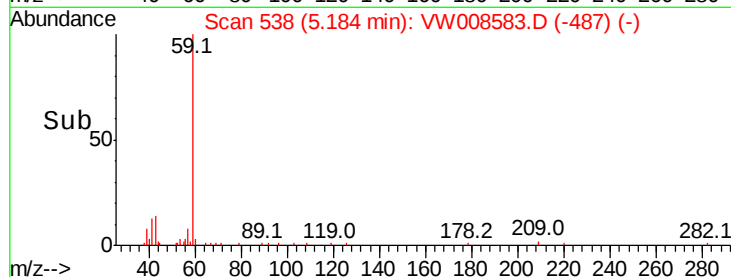
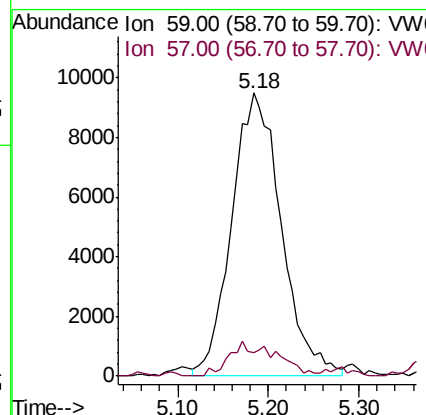
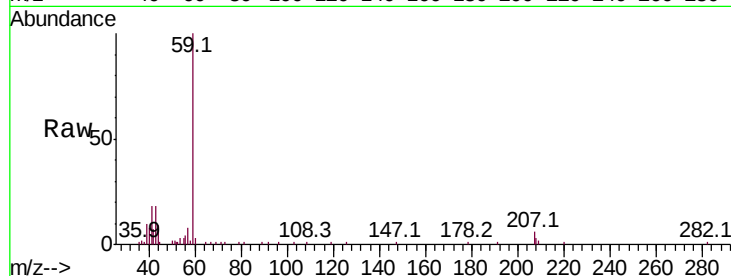




#11
Tert butyl alcohol
Concen: 105.263 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

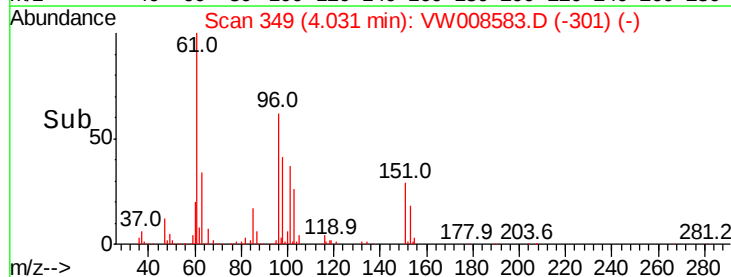
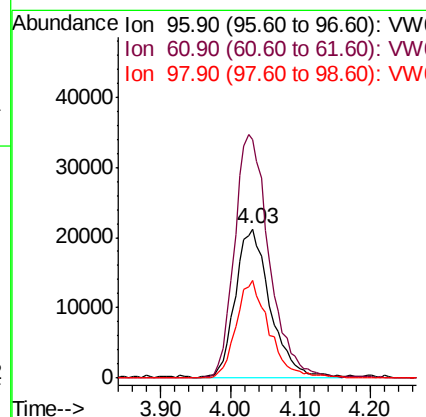
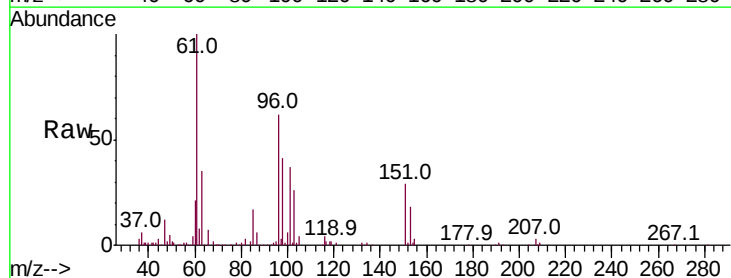
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

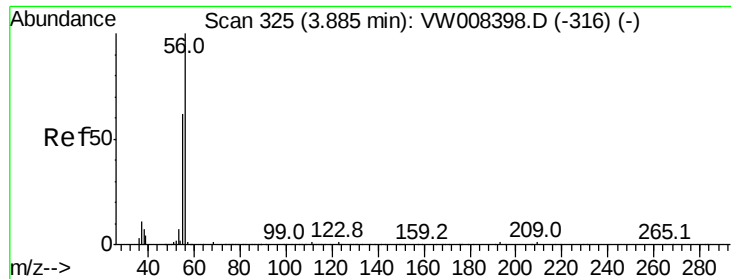
Tot Ion: 59 Resp: 36025
Ion Ratio Lower Upper
59 100
57 5.7 9.3 13.9#



#12
1,1-Dichloroethene
Concen: 18.539 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 96 Resp: 73425
Ion Ratio Lower Upper
96 100
61 160.7 129.5 194.3
98 65.7 48.6 73.0





#13

Acrolein

Concen: 85.529 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

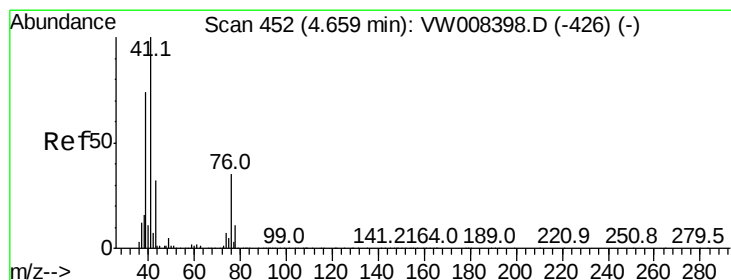
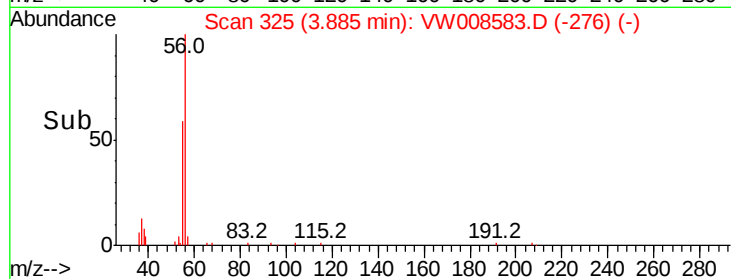
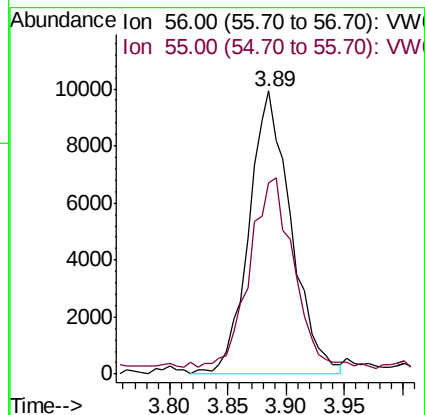
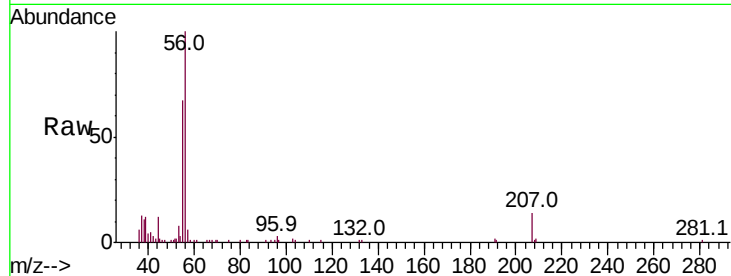
VW0208SBSD01

Tot Ion: 56 Resp: 24980

Ion Ratio Lower Upper

56 100

55 71.7 56.7 85.1



#14

Allyl chloride

Concen: 17.694 ug/l

RT: 4.65 min Scan# 451

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

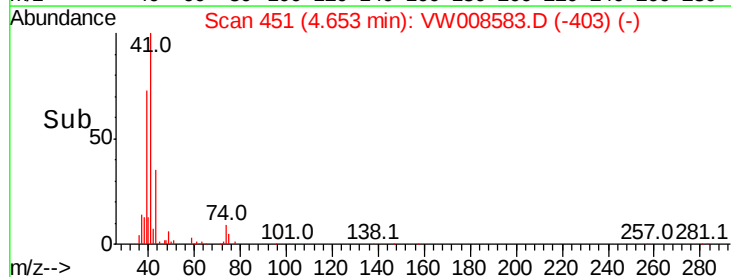
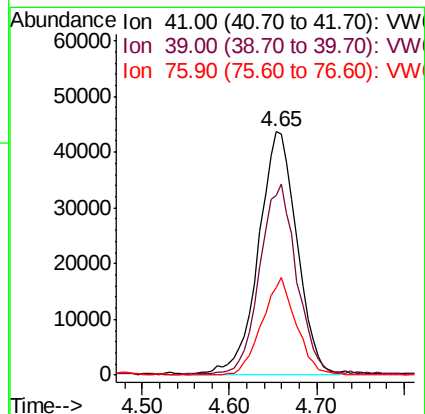
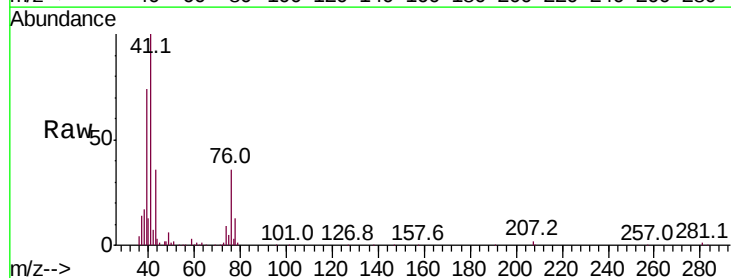
Tgt Ion: 41 Resp: 133071

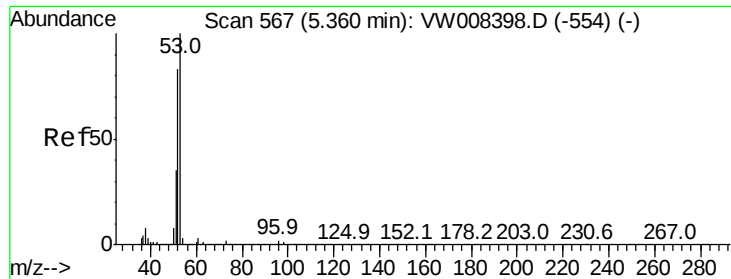
Ion Ratio Lower Upper

41 100

39 74.1 57.7 86.5

76 35.5 26.9 40.3





#15

Acrylonitrile

Concen: 110.155 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

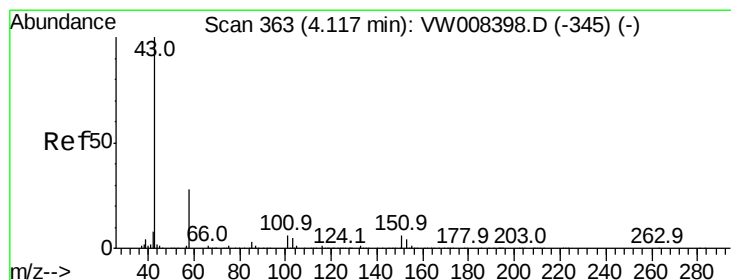
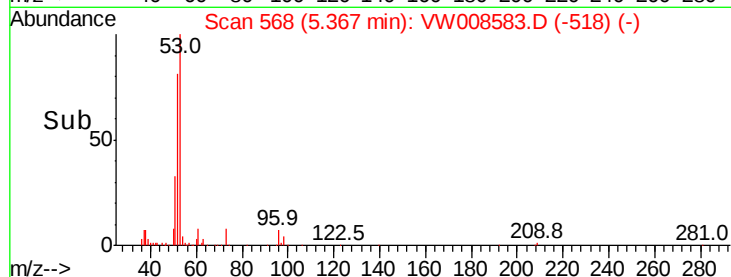
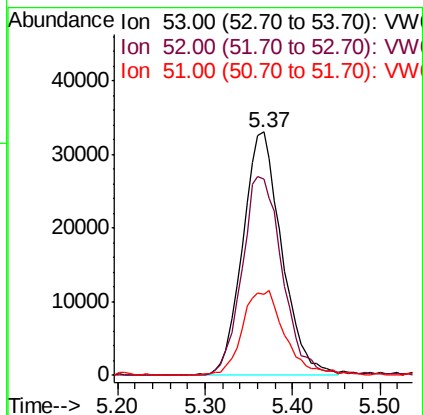
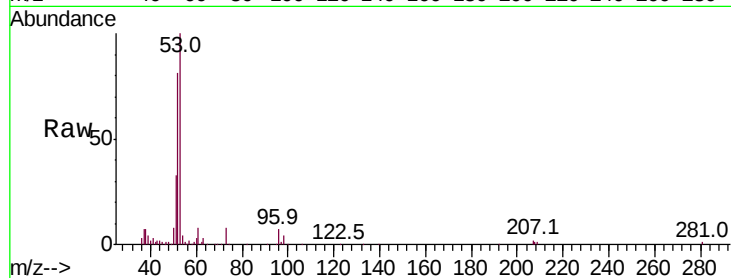
Tot Ion: 53 Resp: 102639

Ion Ratio Lower Upper

53 100

52 84.7 67.0 100.4

51 37.7 29.8 44.8



#16

Acetone

Concen: 94.631 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008583.D

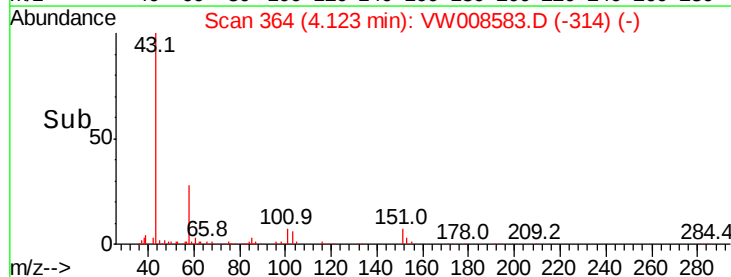
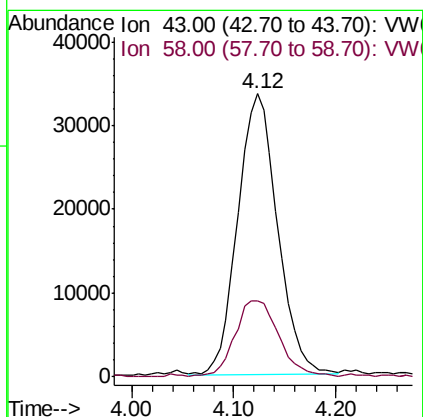
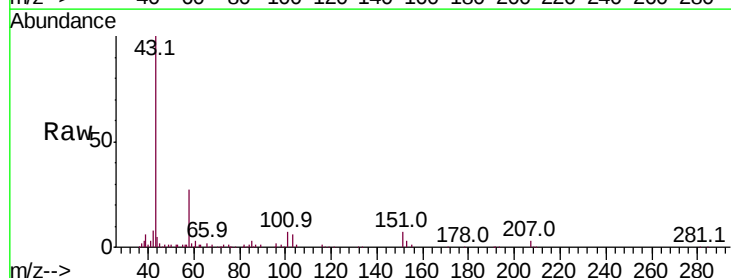
Acq: 08 Feb 2019 20:06

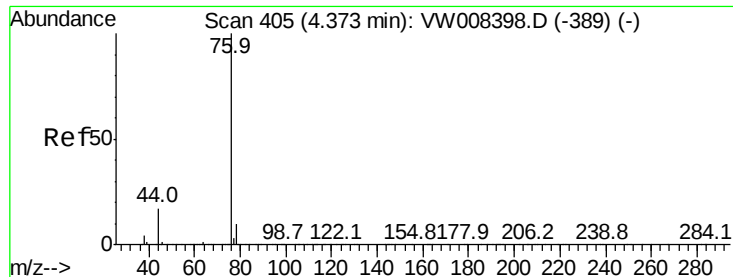
Tgt Ion: 43 Resp: 90333

Ion Ratio Lower Upper

43 100

58 27.1 22.6 34.0





#17

Carbon Disulfide

Concen: 16.186 ug/l

RT: 4.37 min Scan# 405

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

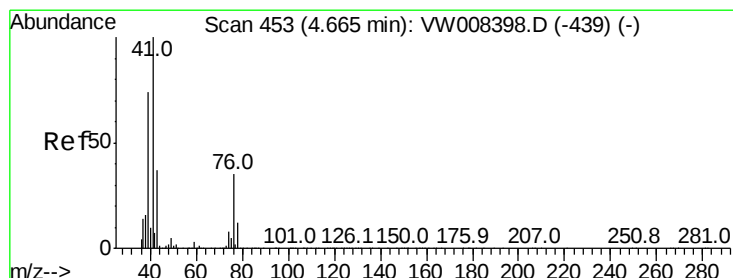
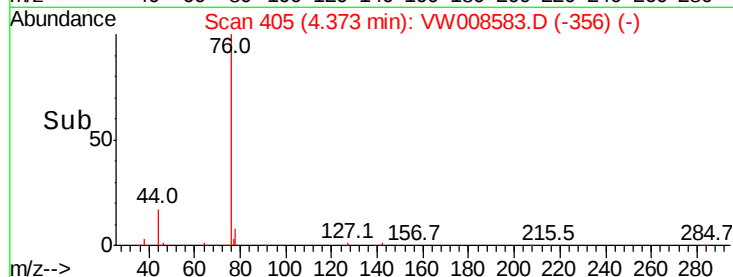
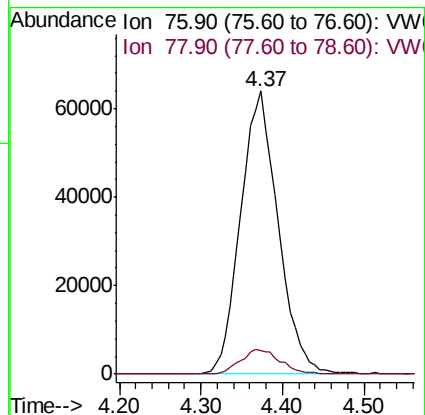
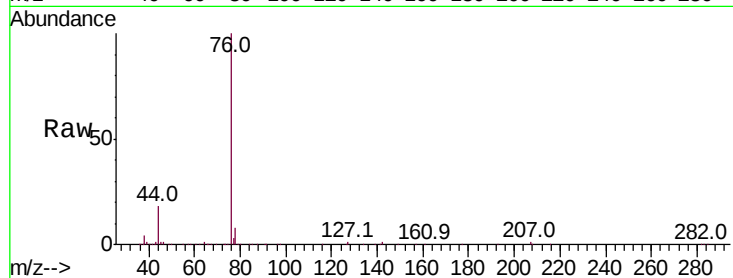
VW0208SBSD01

Tot Ion: 76 Resp: 204739

Ion Ratio Lower Upper

76 100

78 8.4 7.7 11.5



#18

Methyl Acetate

Concen: 21.651 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW008583.D

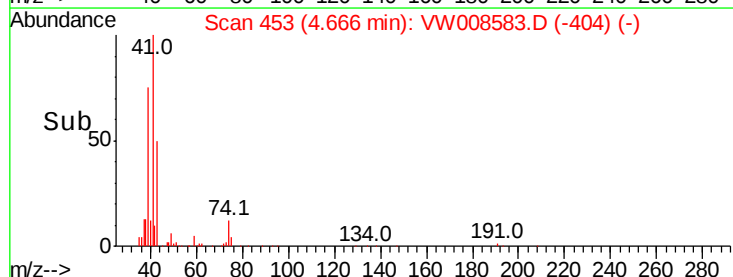
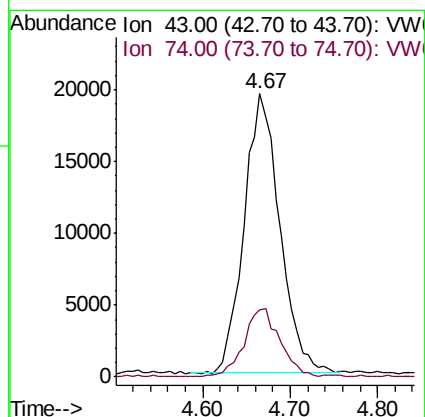
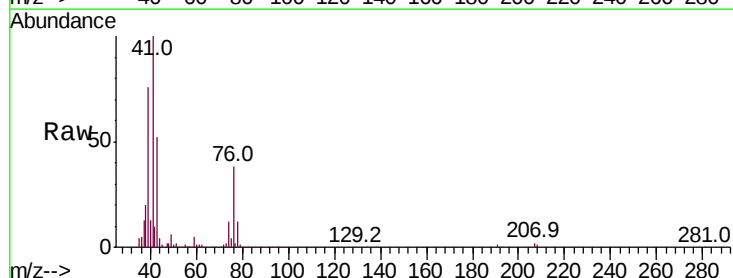
Acq: 08 Feb 2019 20:06

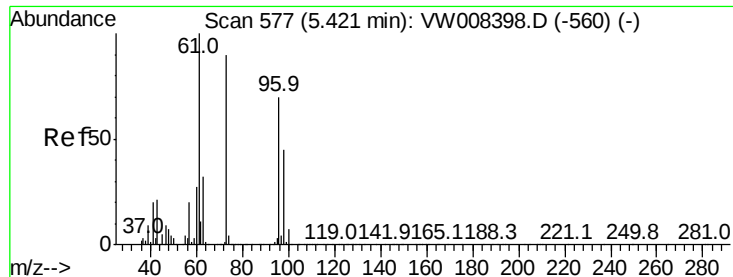
Tgt Ion: 43 Resp: 55125

Ion Ratio Lower Upper

43 100

74 24.6 17.5 26.3

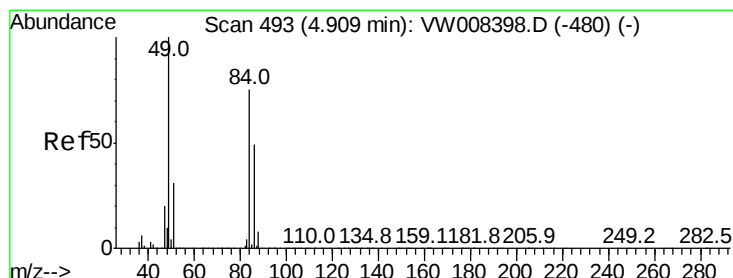
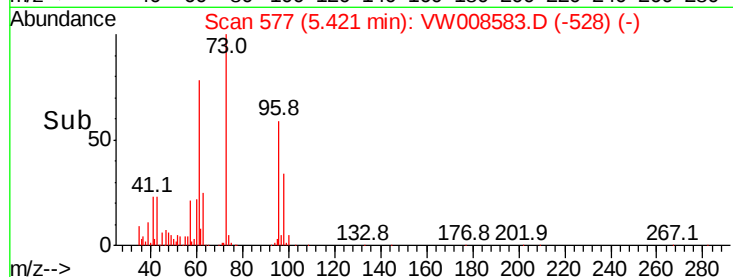
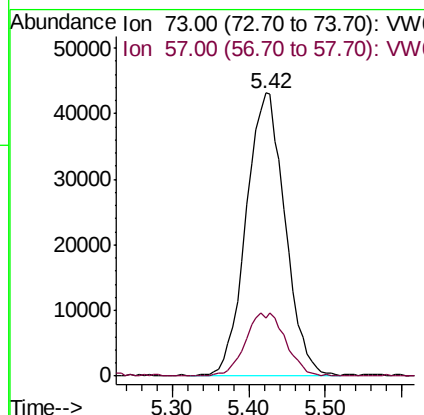
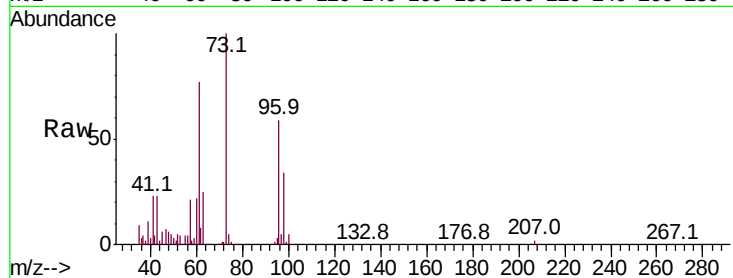




#19
Methvl tert-butvl Ether
Concen: 23.094 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

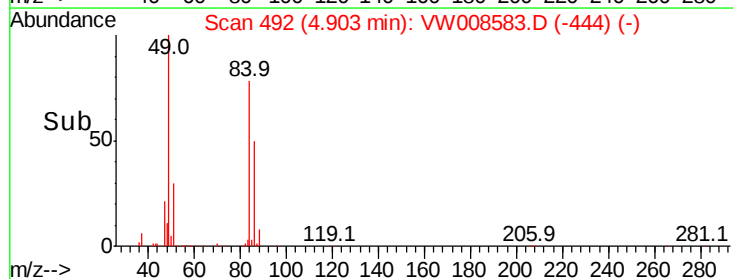
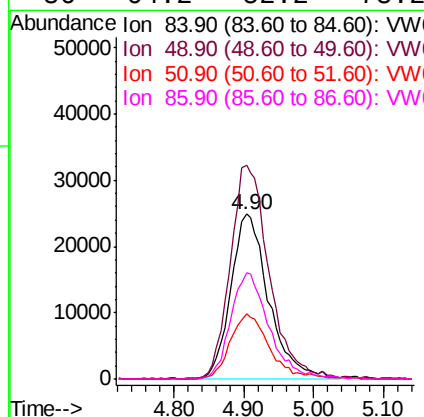
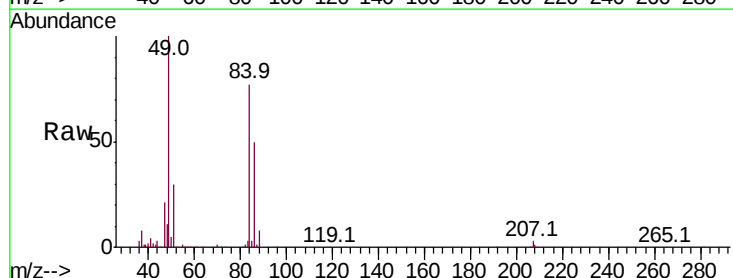
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

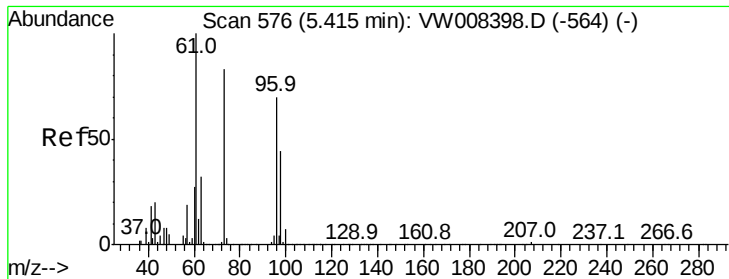
Tot Ion: 73 Resp: 151332
Ion Ratio Lower Upper
73 100
57 20.7 18.0 27.0



#20
Methylene Chloride
Concen: 21.285 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 84 Resp: 93648
Ion Ratio Lower Upper
84 100
49 129.4 106.8 160.2
51 38.8 32.9 49.3
86 64.2 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.996 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

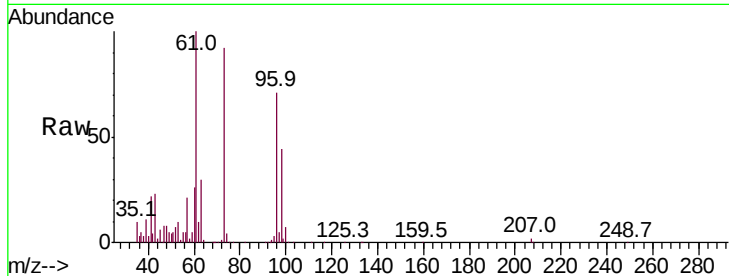
Tot Ion: 96 Resp: 84583

Ion Ratio Lower Upper

96 100

61 141.1 114.4 171.6

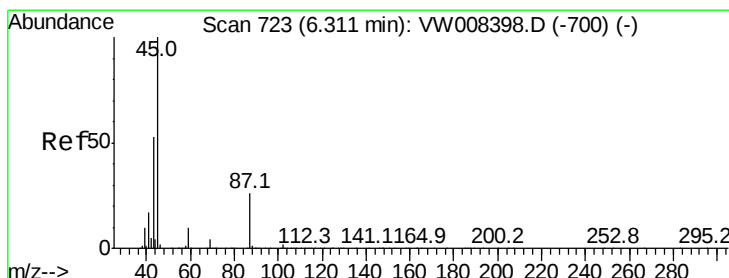
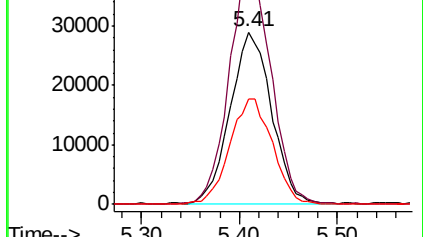
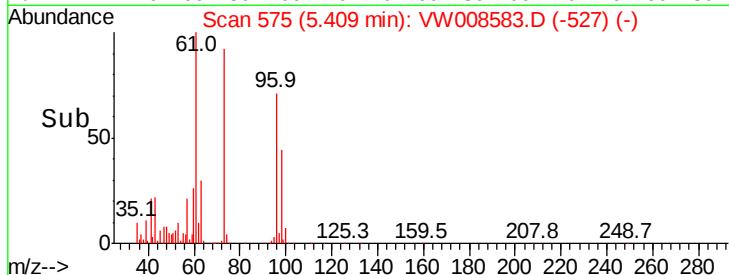
98 61.6 50.6 75.8



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.704 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Tgt Ion: 45 Resp: 280846

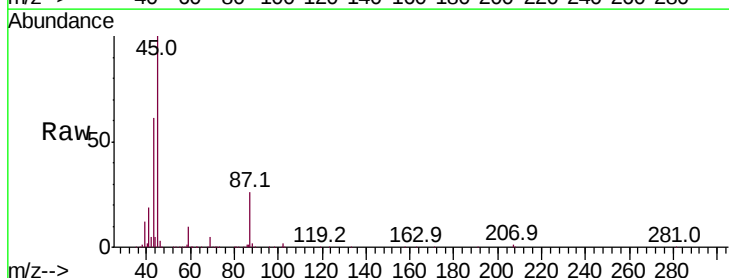
Ion Ratio Lower Upper

45 100

43 60.2 42.6 63.8

87 25.4 20.3 30.5

59 9.8 8.4 12.6

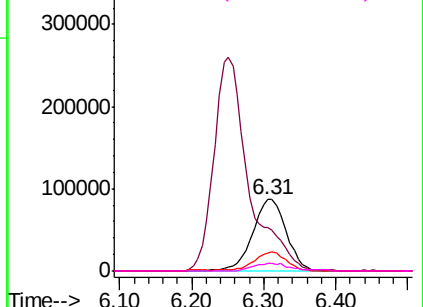
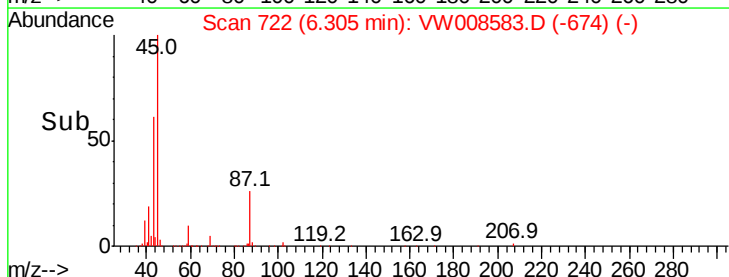


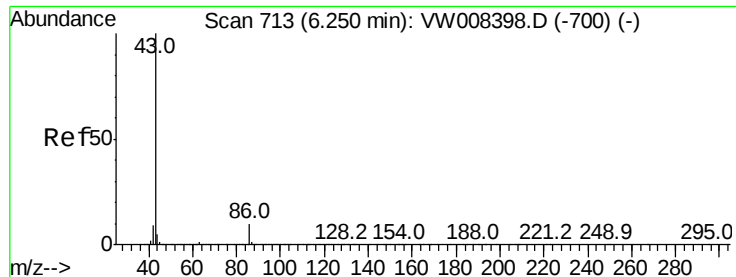
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 103.559 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

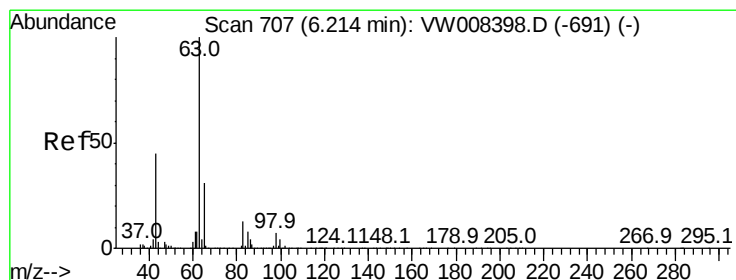
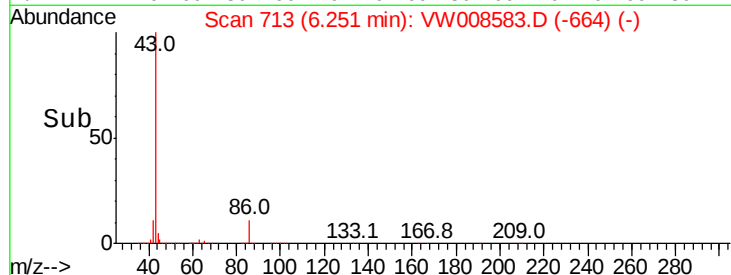
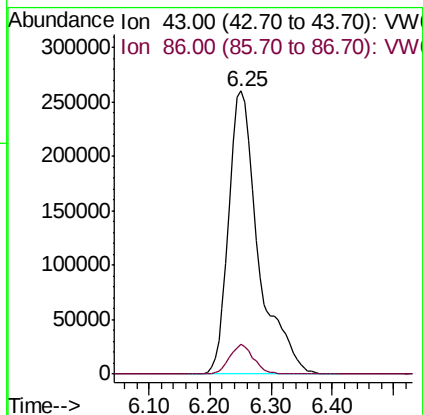
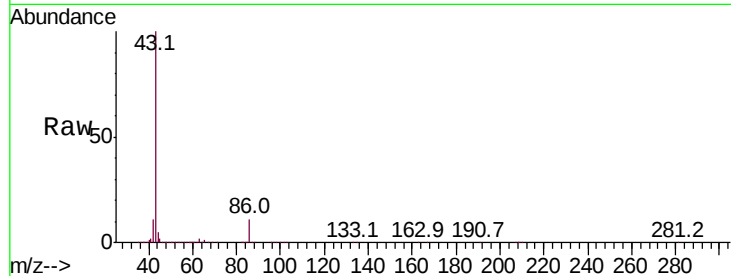
VW0208SBSD01

Tot Ion: 43 Resp: 871583

Ion Ratio Lower Upper

43 100

86 10.7 7.8 11.8



#24

1,1-Dichloroethane

Concen: 19.114 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

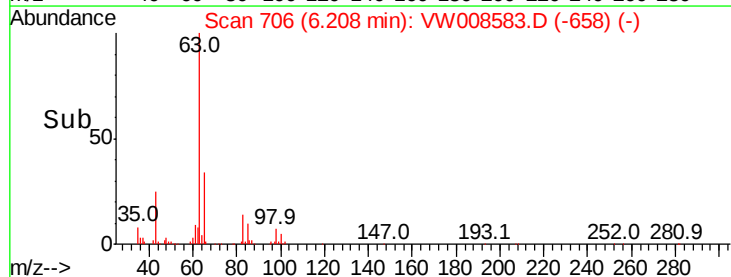
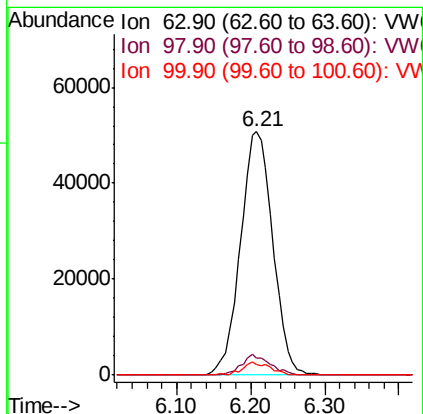
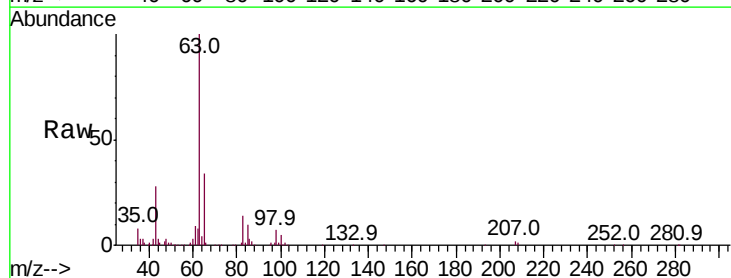
Tgt Ion: 63 Resp: 154213

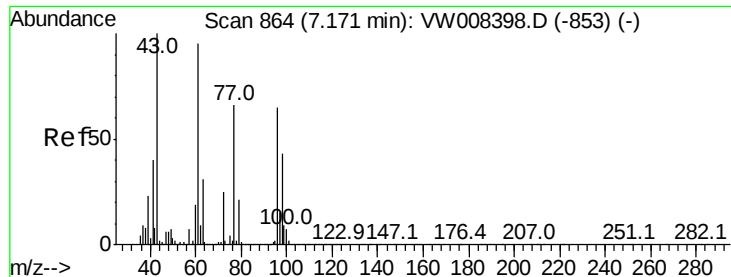
Ion Ratio Lower Upper

63 100

98 7.1 3.5 10.5

100 4.5 2.1 6.2





#25

2-Butanone

Concen: 109.625 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

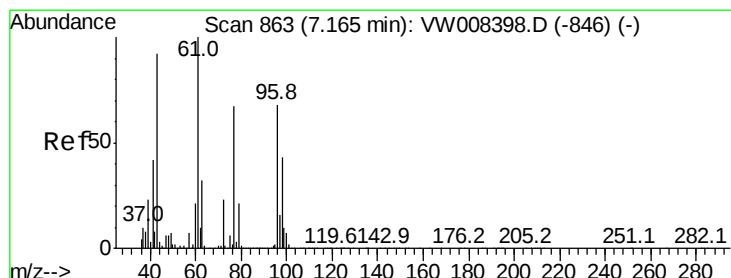
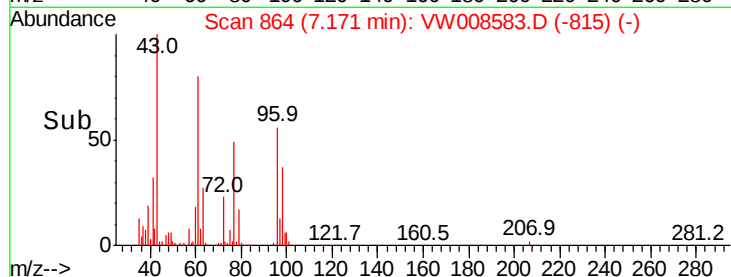
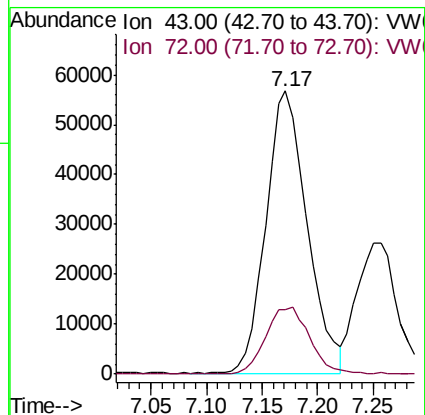
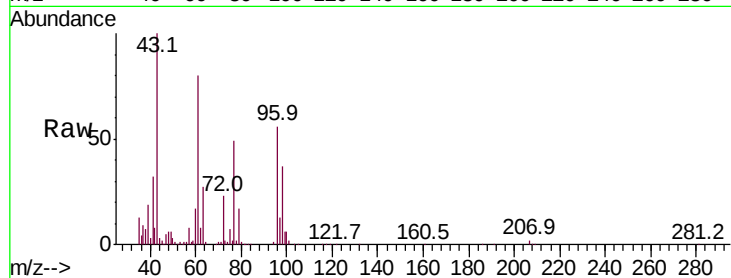
VW0208SBSD01

Tot Ion: 43 Resp: 145351

Ion Ratio Lower Upper

43 100

72 22.6 20.1 30.1



#26

2,2-Dichloropropane

Concen: 17.793 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW008583.D

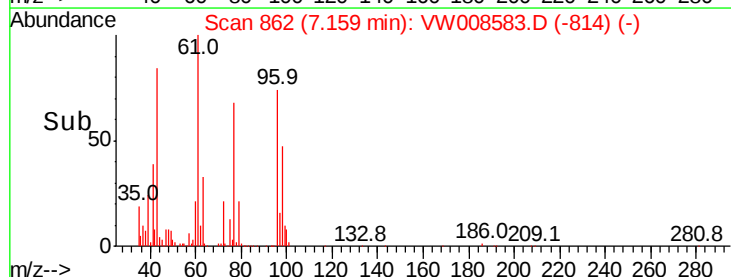
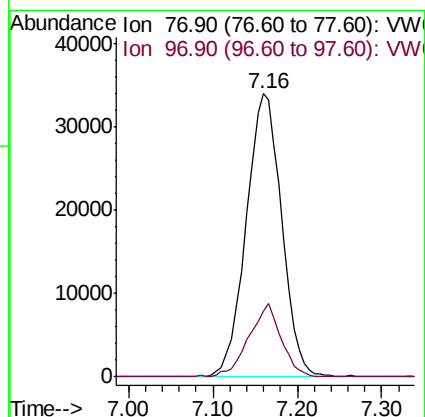
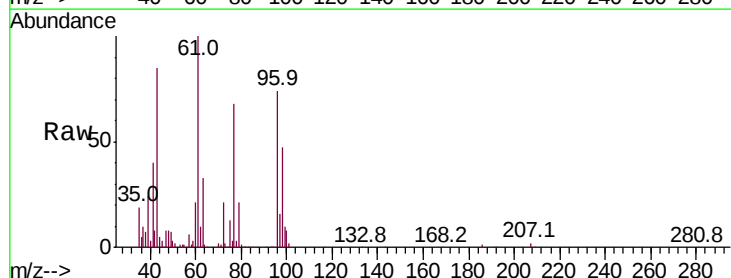
Acq: 08 Feb 2019 20:06

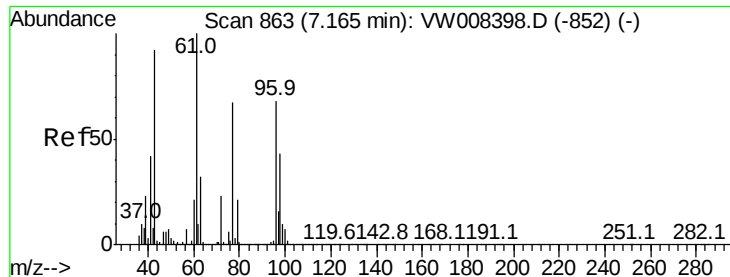
Tgt Ion: 77 Resp: 97034

Ion Ratio Lower Upper

77 100

97 23.7 11.5 34.5



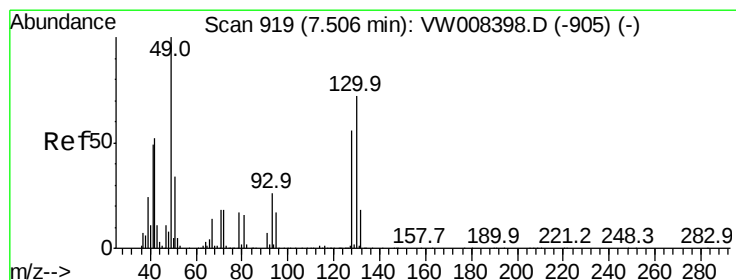
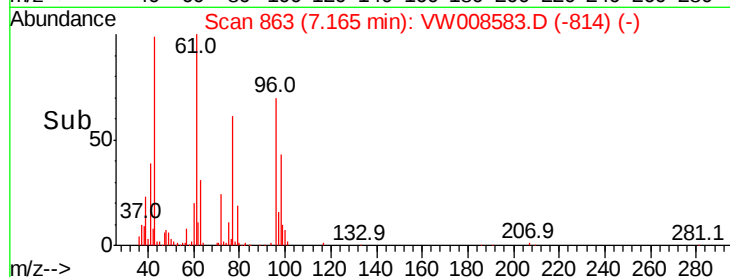
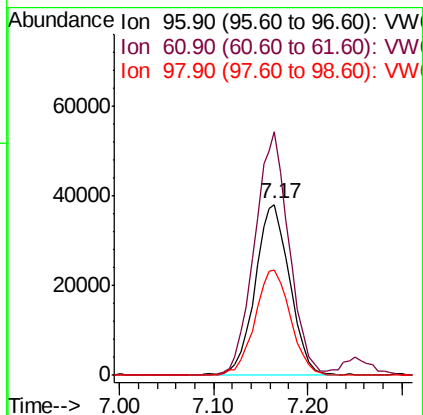
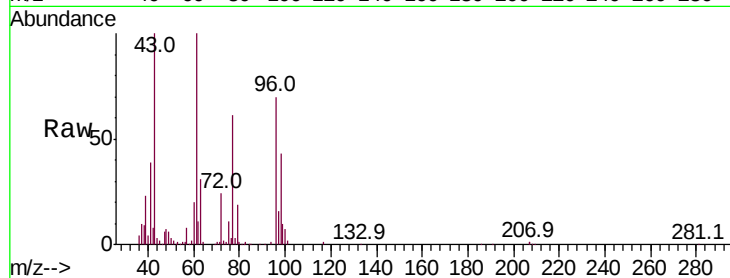


#27

cis-1,2-Dichloroethene
Concen: 20.278 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

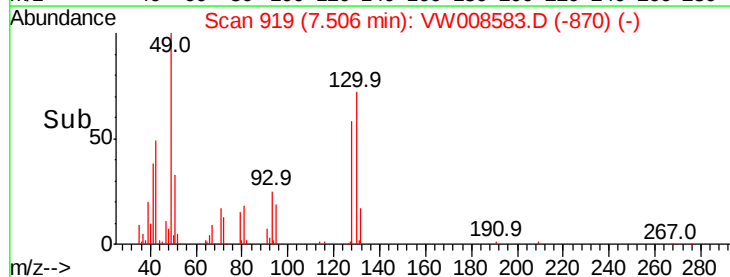
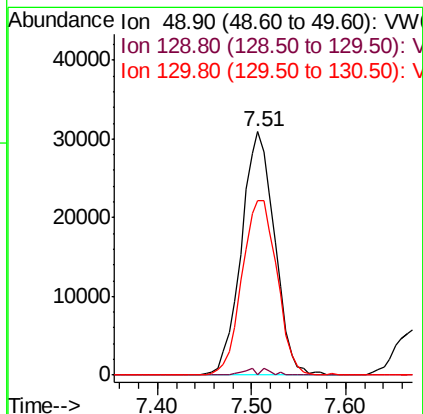
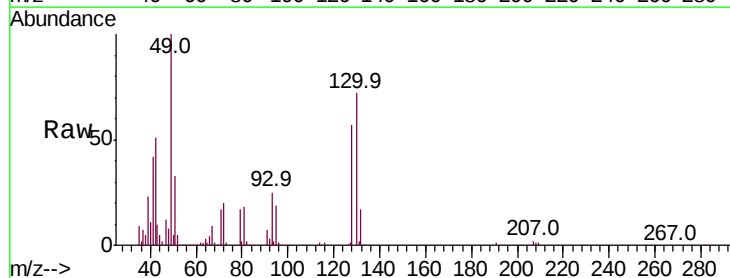
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	292.8
98	63.4	0.0	129.2

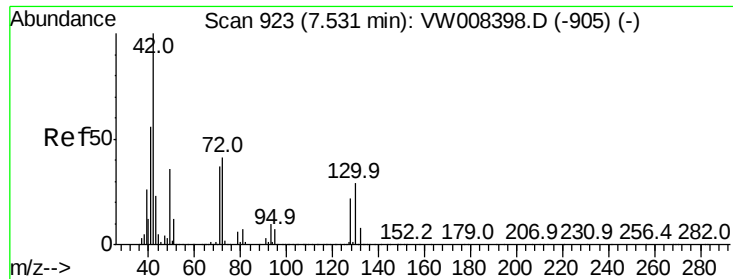


#28

Bromochloromethane
Concen: 20.540 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	4.6
130	0.0	58.6	87.8#

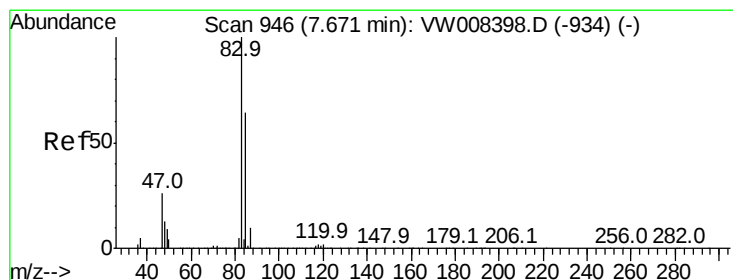
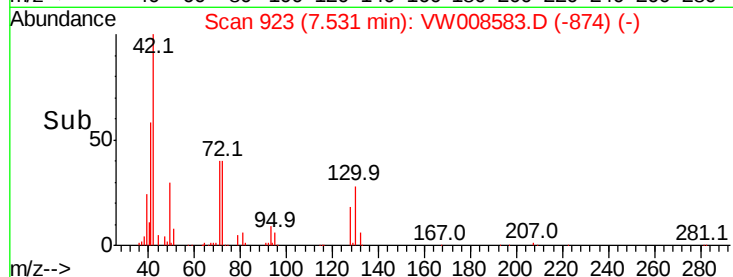
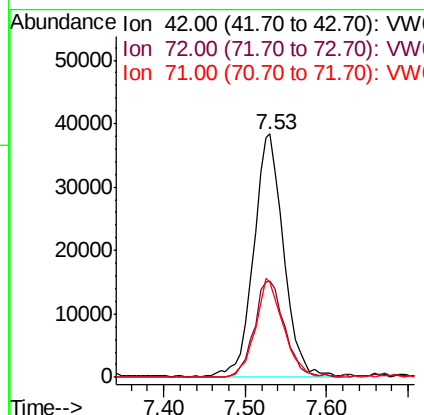
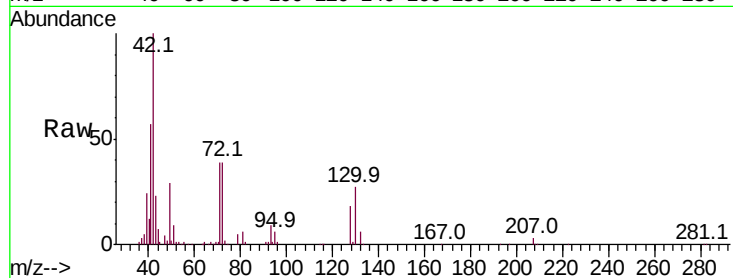




#29
Tetrahydrofuran
Concen: 116.009 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

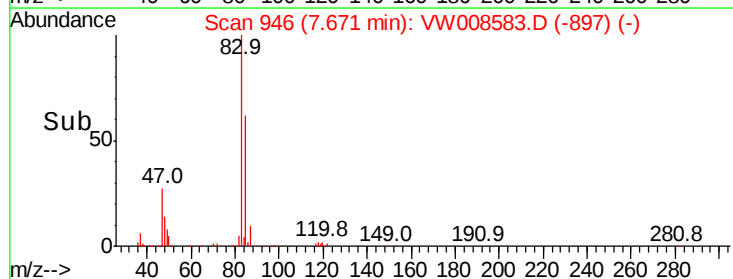
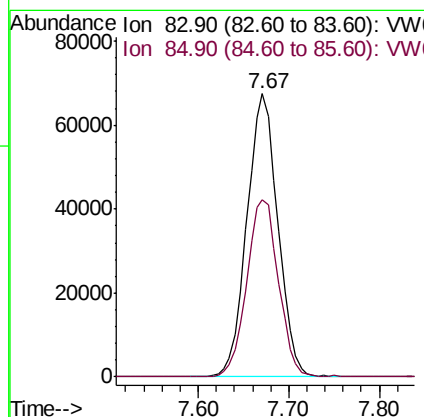
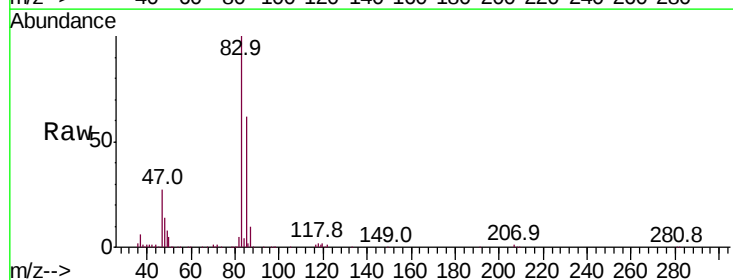
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBS01

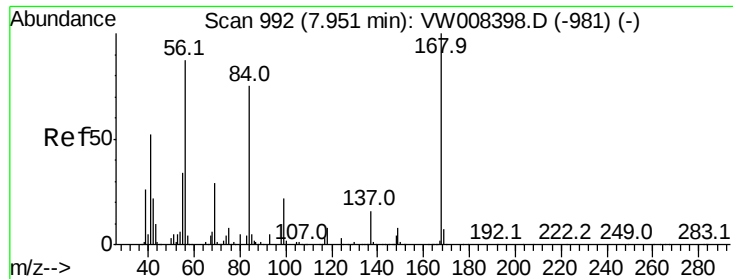
Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	31.9	47.9
71	38.2	29.9	44.9



#30
Chloroform
Concen: 20.046 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	50.9	76.3





#31

Cvclohexane

Concen: 17.626 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

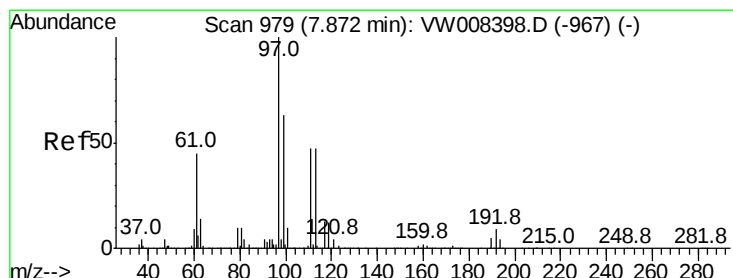
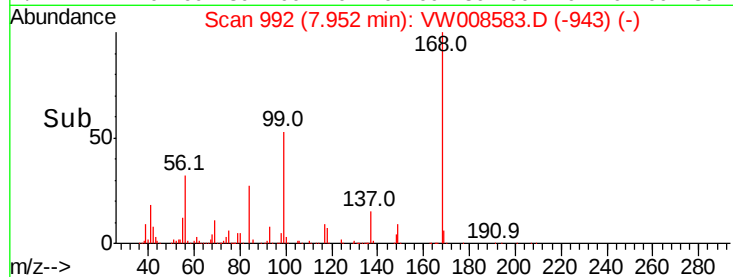
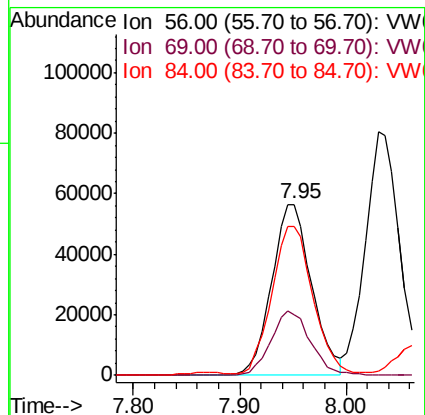
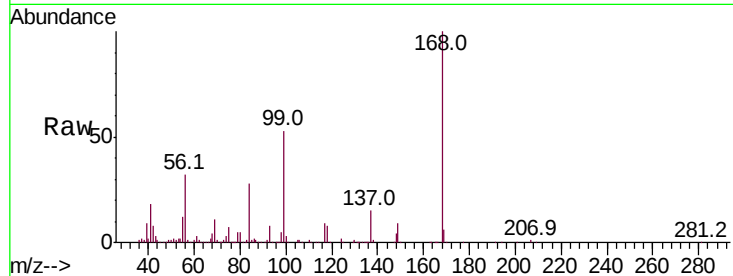
Tot Ion: 56 Resp: 147048

Ion Ratio Lower Upper

56 100

69 35.3 26.4 39.6

84 85.6 69.1 103.7



#32

1,1,1-Trichloroethane

Concen: 19.168 ug/l

RT: 7.87 min Scan# 978

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

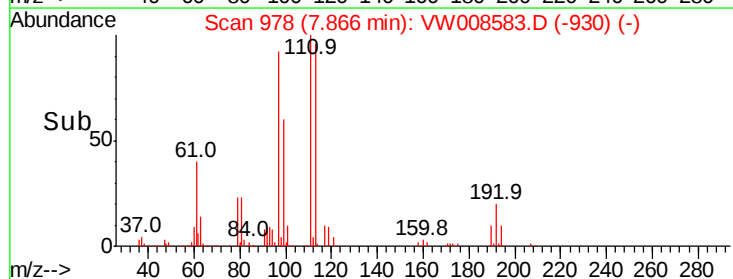
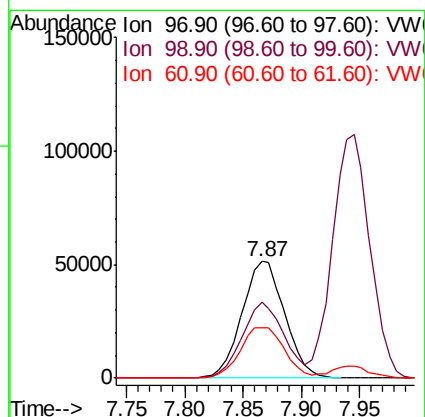
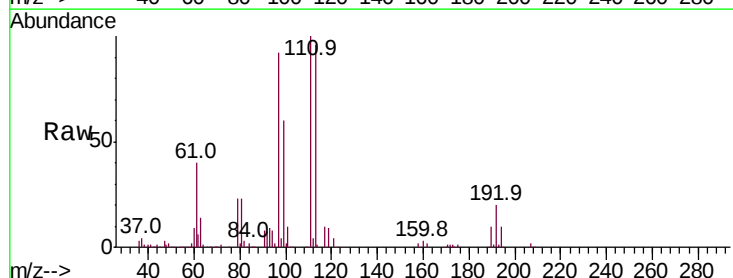
Tgt Ion: 97 Resp: 131383

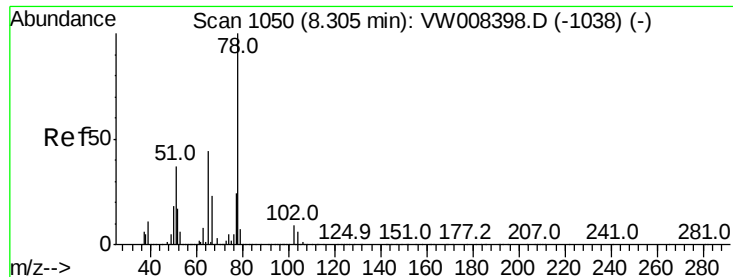
Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 45.1 36.2 54.4





#33

1,2-Dichloroethane-d4

Concen: 51.102 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

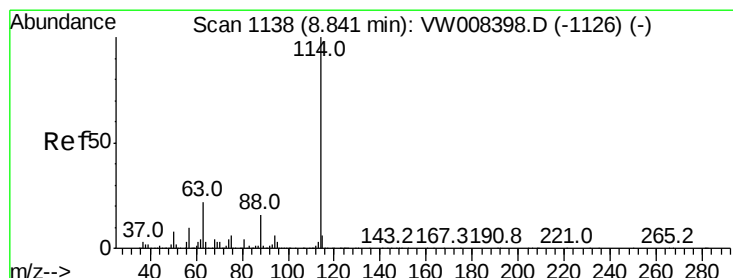
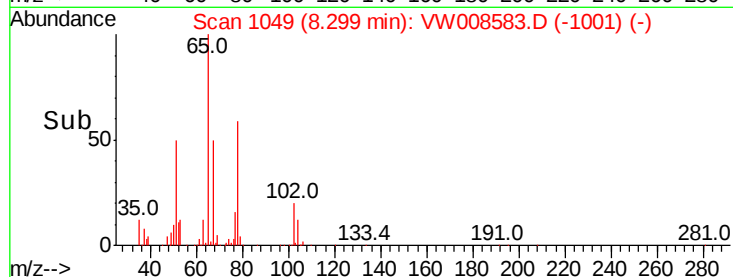
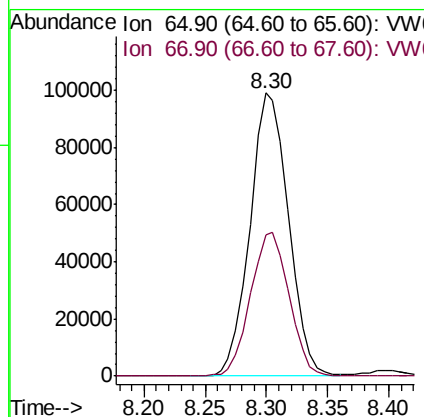
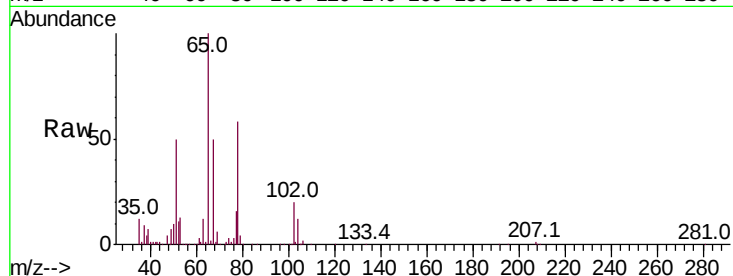
Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion: 65 Resp: 217226

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

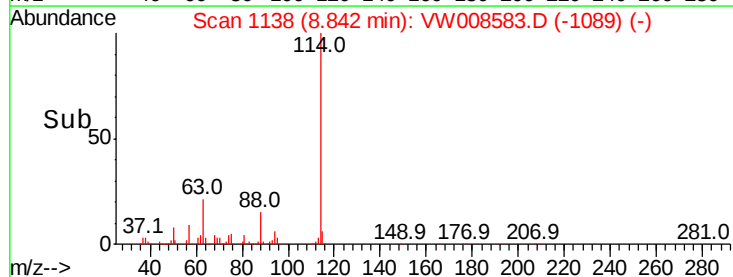
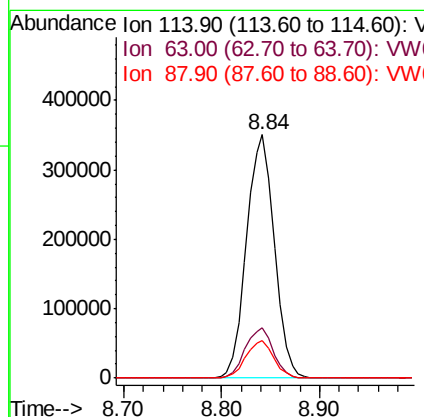
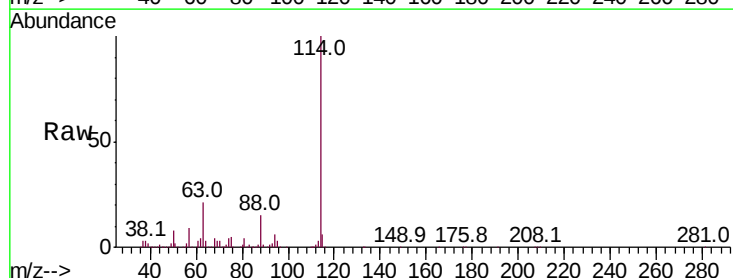
Delta R.T. 0.00 min

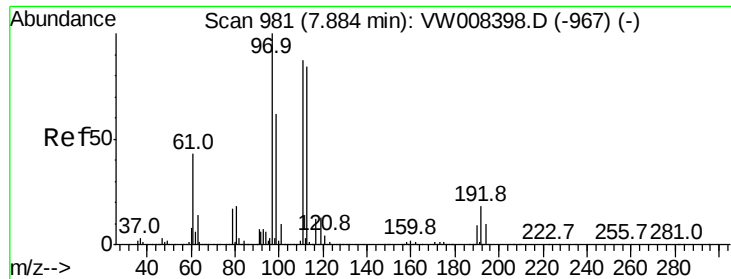
Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Tgt Ion: 114 Resp: 690144

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.6
88	15.3	0.0	31.8





#35

Dibromofluoromethane

Concen: 48.239 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

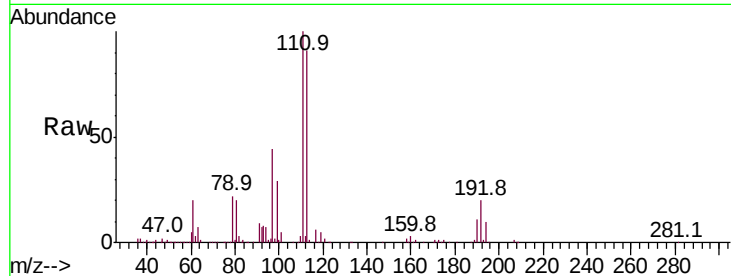
Tot Ion:113 Resp: 194669

Ion Ratio Lower Upper

113 100

111 103.7 81.0 121.4

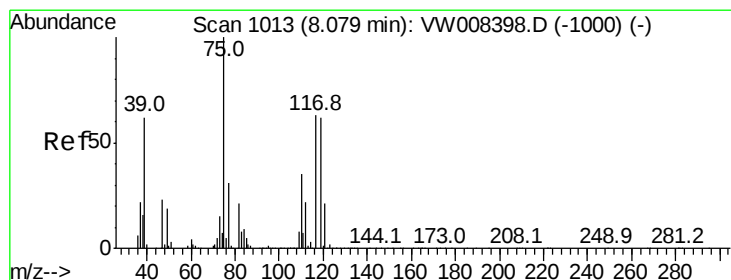
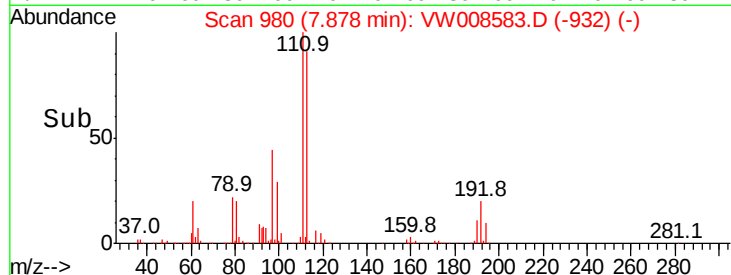
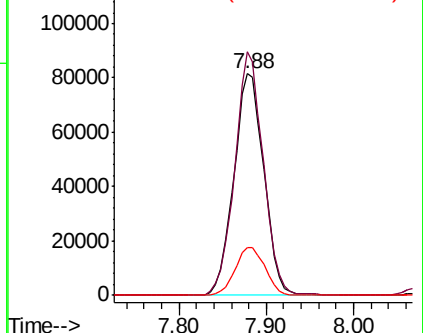
192 21.7 16.8 25.2



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: 18.890 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

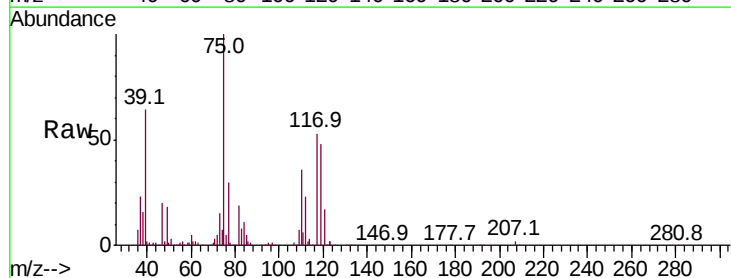
Tgt Ion: 75 Resp: 123150

Ion Ratio Lower Upper

75 100

110 35.3 17.3 52.0

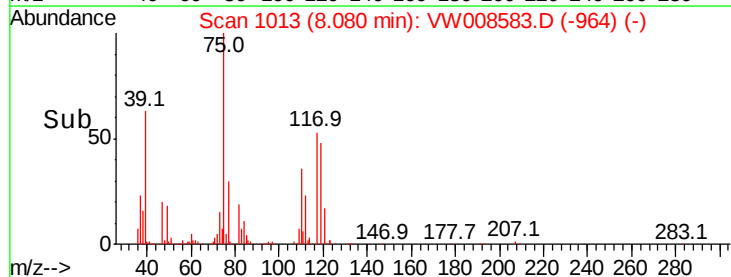
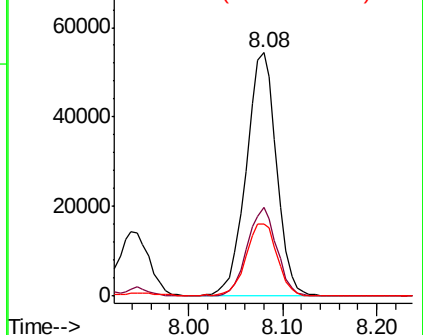
77 31.1 24.7 37.1

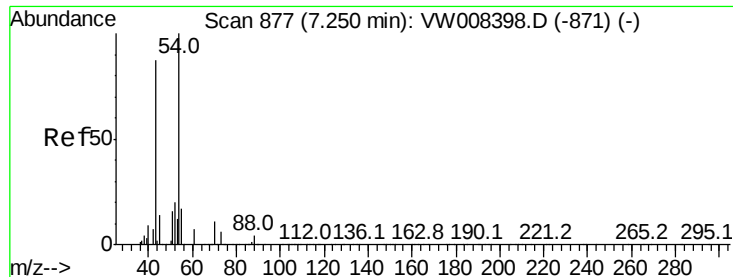


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

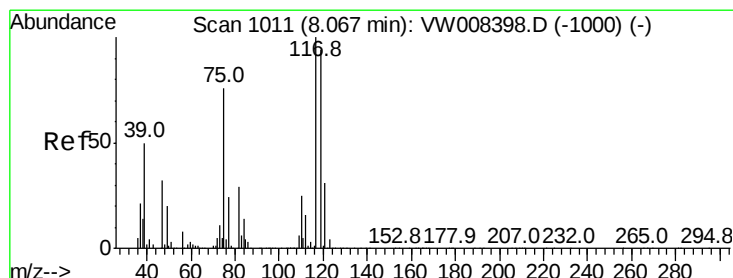
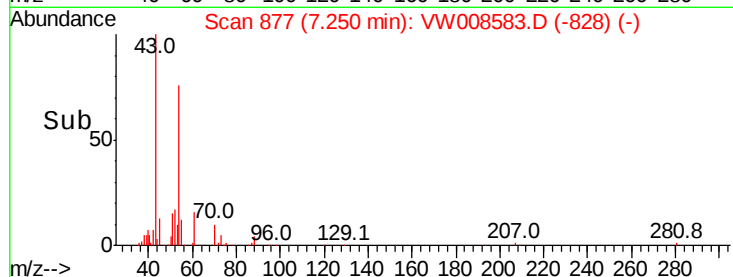
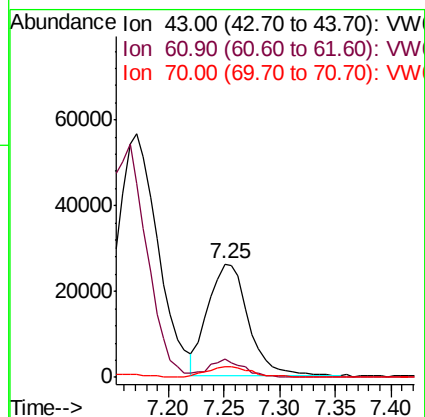
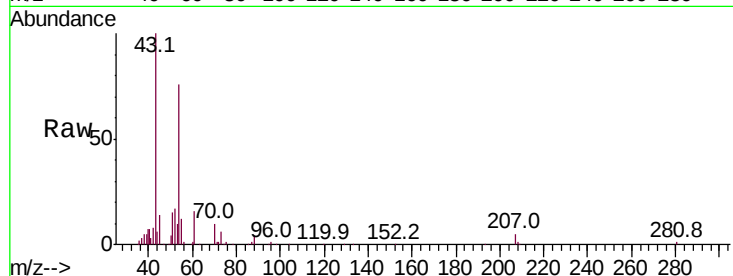




#37
Ethyl Acetate
Concen: 22.763 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

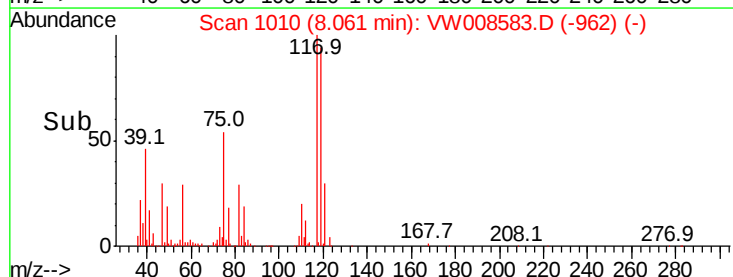
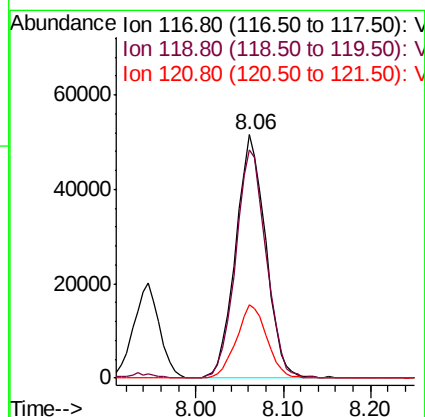
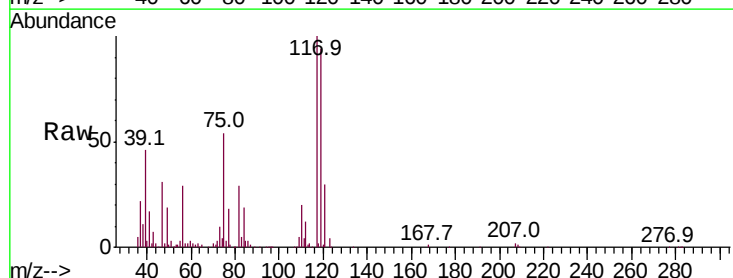
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

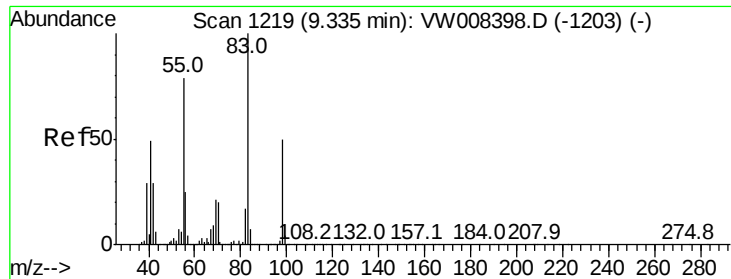
Tot Ion: 43 Resp: 65654
Ion Ratio Lower Upper
43 100
61 13.9 10.1 15.1
70 10.7 7.8 11.6



#38
Carbon Tetrachloride
Concen: 18.721 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 117 Resp: 122814
Ion Ratio Lower Upper
117 100
119 93.7 75.0 112.4
121 30.4 24.9 37.3

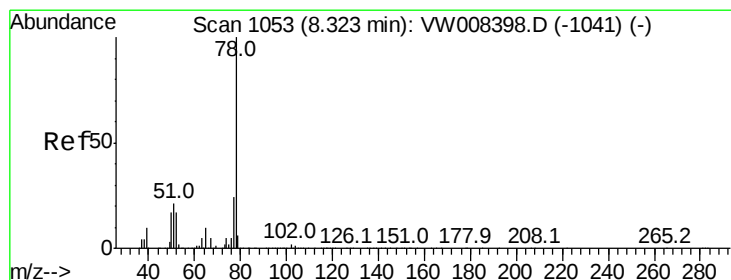
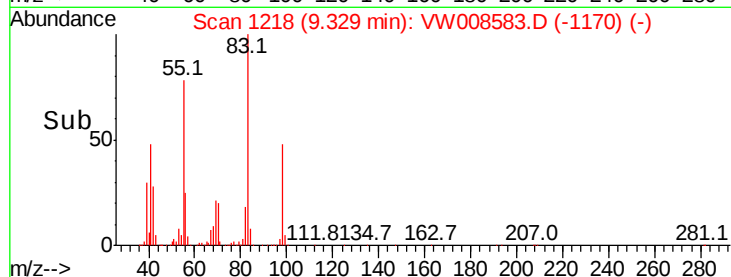
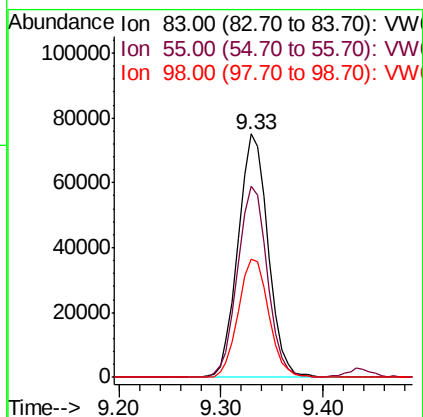
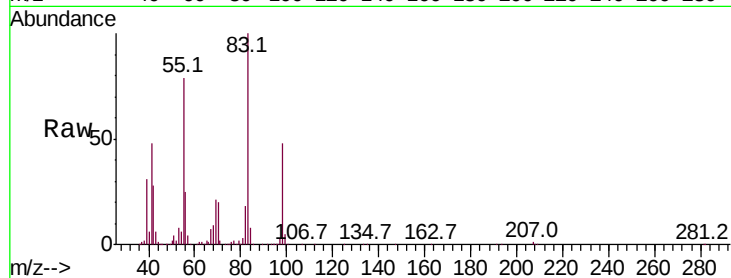




#39
Methvlcvclohexane
Concen: 17.921 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

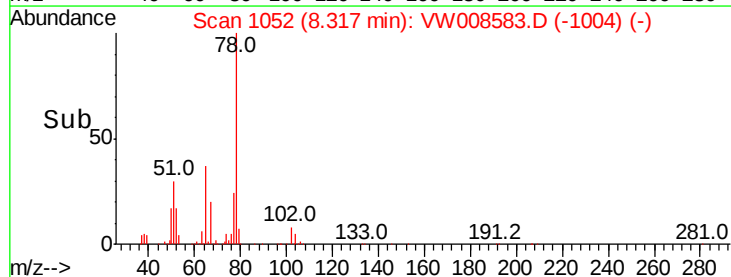
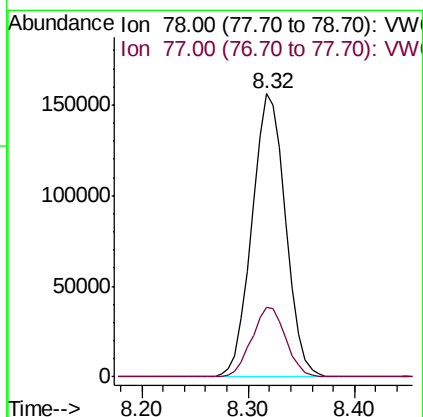
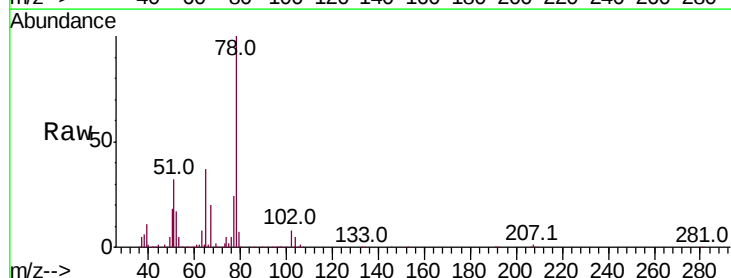
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

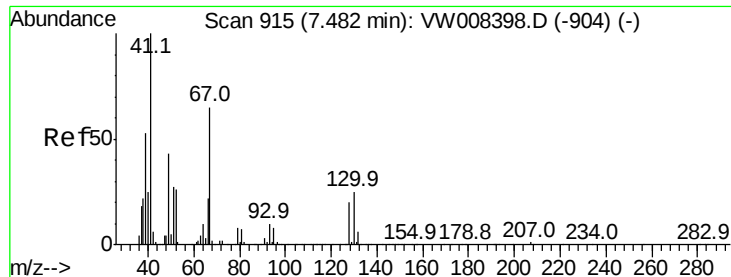
Tot Ion: 83 Resp: 153473
Ion Ratio Lower Upper
83 100
55 78.5 63.3 94.9
98 48.4 39.7 59.5



#40
Benzene
Concen: 19.105 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 78 Resp: 345602
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6

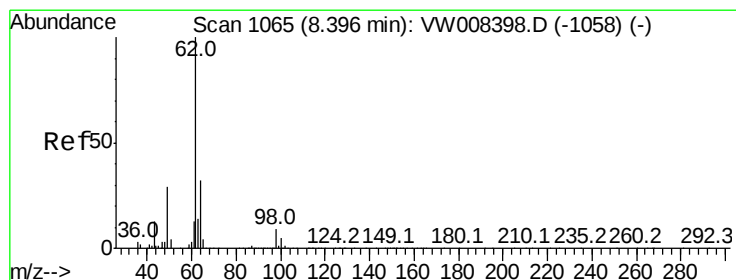
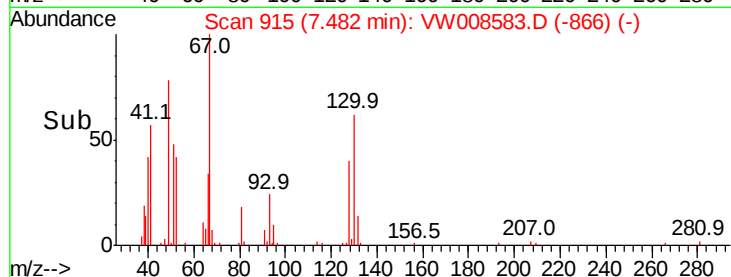
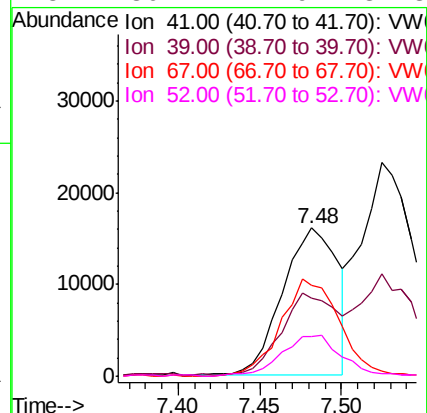
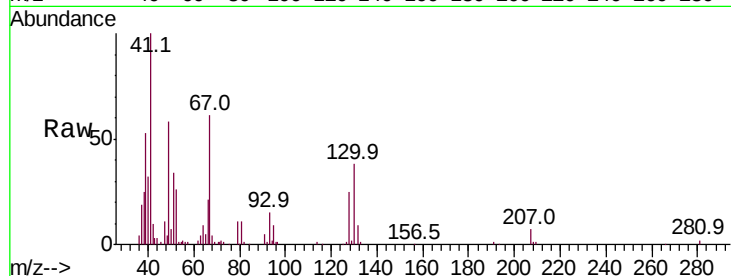




#41
Methacrylonitrile
Concen: 22.191 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

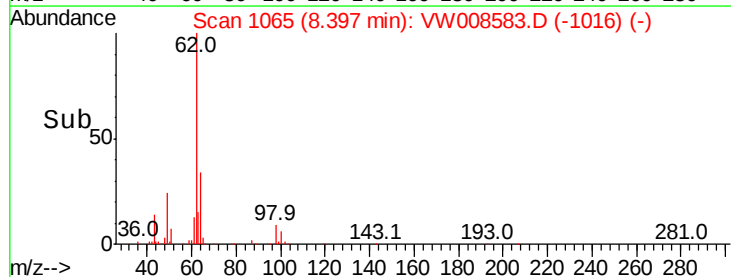
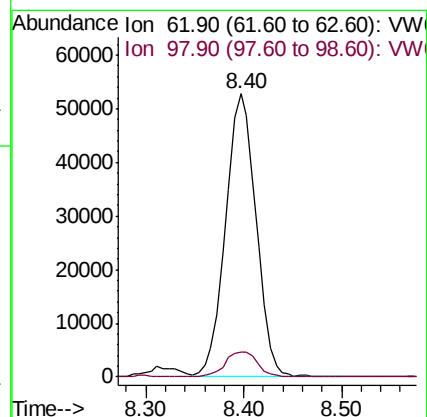
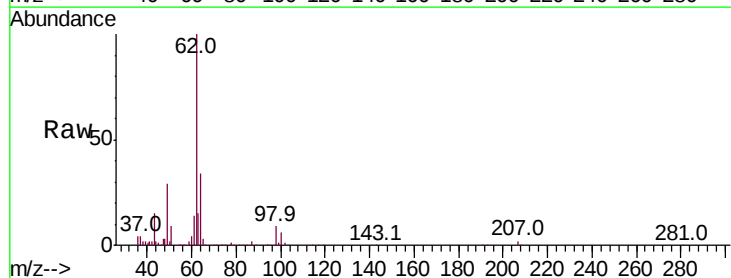
Instrument :
MSVOA_W
ClientSampled :
VW0208SBS01

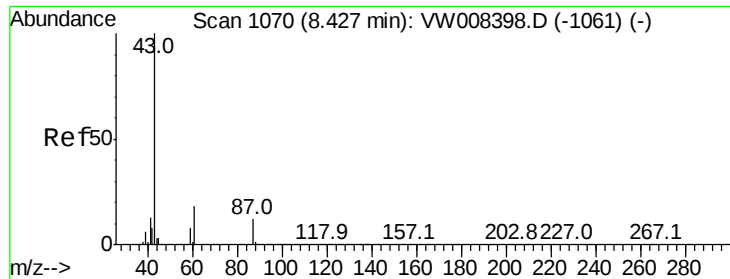
Tot Ion:	41	Resp:	37899
Ion	Ratio	Lower	Upper
41	100		
39	54.9	43.4	65.0
67	70.3	54.2	81.2
52	30.2	22.9	34.3



#42
1,2-Dichloroethane
Concen: 21.796 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion:	62	Resp:	114262
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.6





#43

Isopropyl Acetate

Concen: 22.152 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

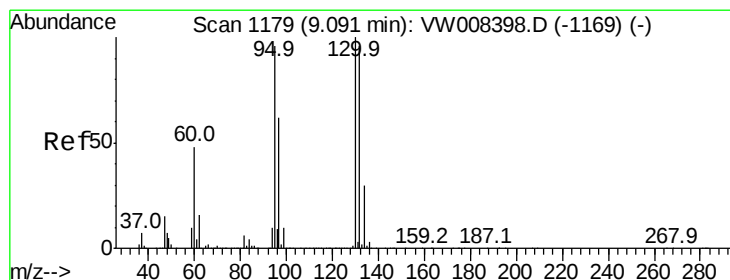
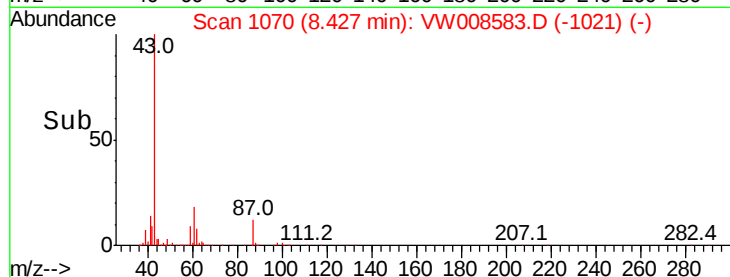
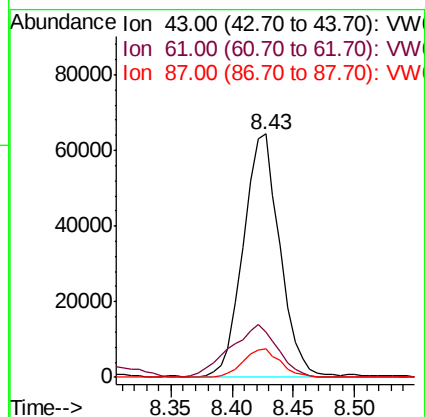
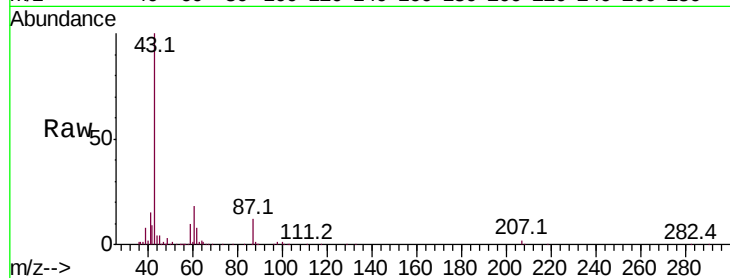
Tot Ion: 43 Resp: 132739

Ion Ratio Lower Upper

43 100

61 28.1 22.0 33.0

87 12.2 9.3 13.9



#44

Trichloroethene

Concen: 19.524 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008583.D

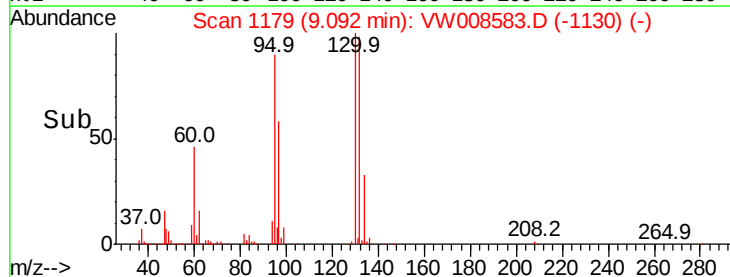
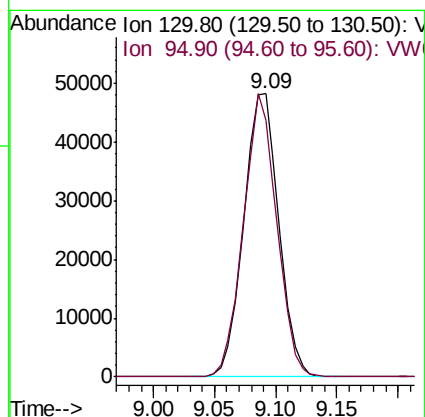
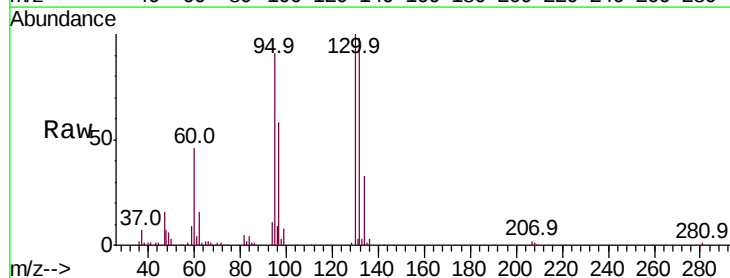
Acq: 08 Feb 2019 20:06

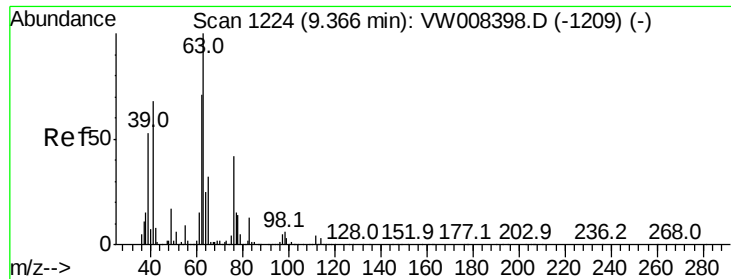
Tgt Ion:130 Resp: 96042

Ion Ratio Lower Upper

130 100

95 90.5 0.0 191.6





#45

1,2-Dichloropropane

Concen: 19.549 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

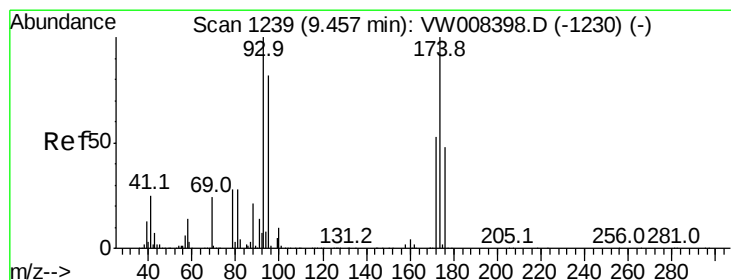
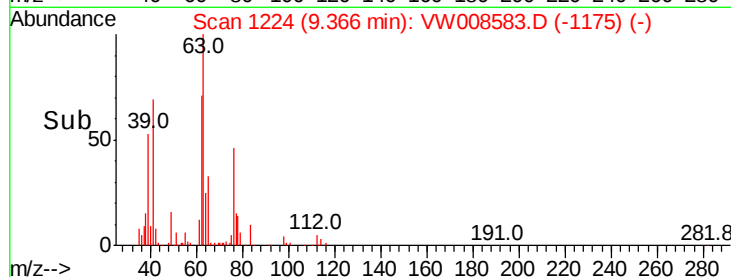
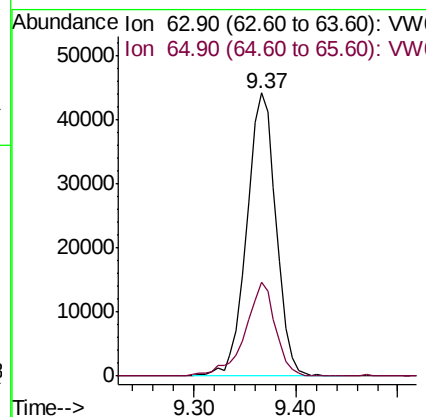
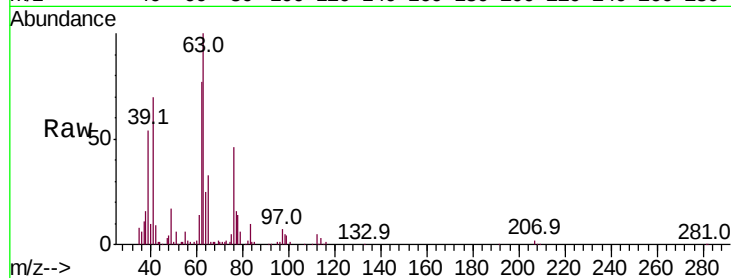
VW0208SBSD01

Tot Ion: 63 Resp: 88175

Ion Ratio Lower Upper

63 100

65 33.4 25.2 37.8



#46

Dibromomethane

Concen: 21.109 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

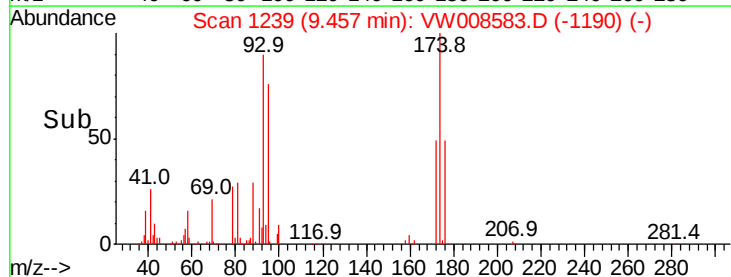
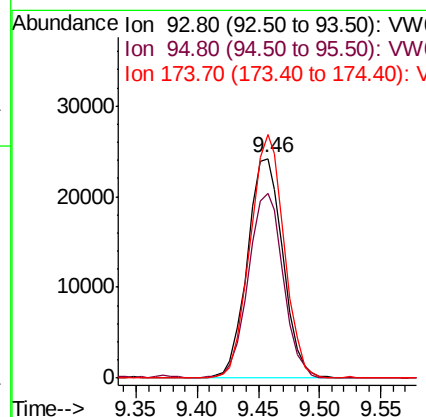
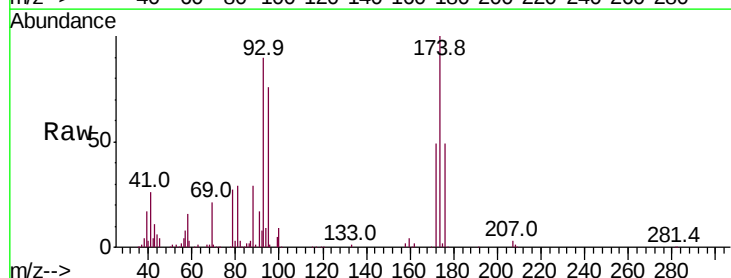
Tgt Ion: 93 Resp: 48970

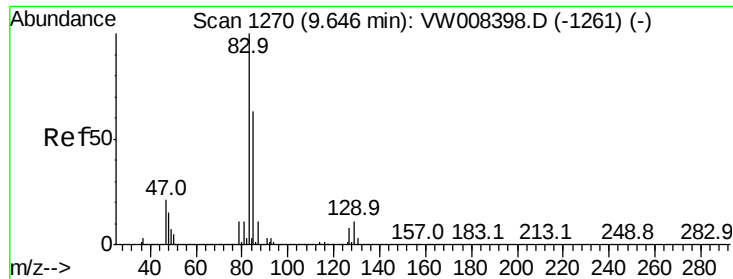
Ion Ratio Lower Upper

93 100

95 82.6 65.9 98.9

174 105.9 81.0 121.6





#47

Bromodichloromethane

Concen: 19.871 ug/l

RT: 9.64 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

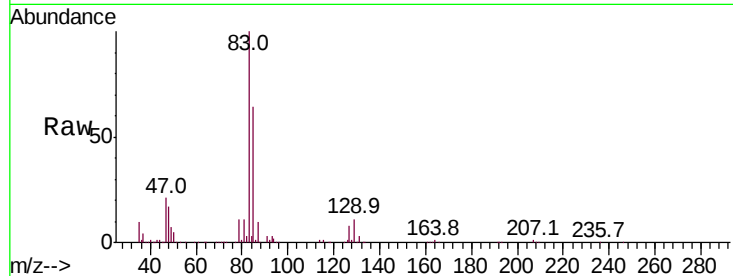
Tot Ion: 83 Resp: 121934

Ion Ratio Lower Upper

83 100

85 64.2 50.8 76.2

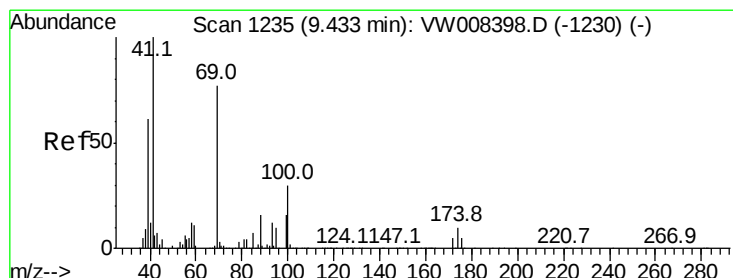
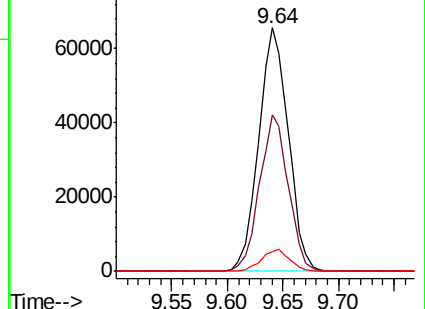
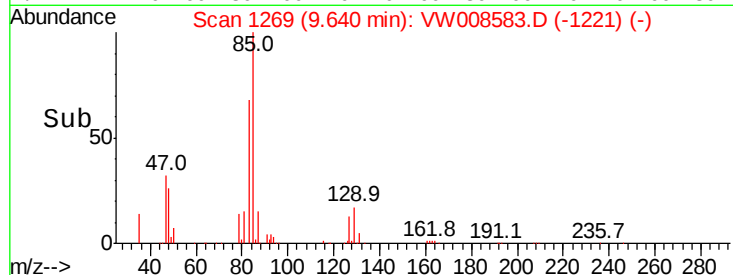
127 8.1 6.8 10.2



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: 20.551 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

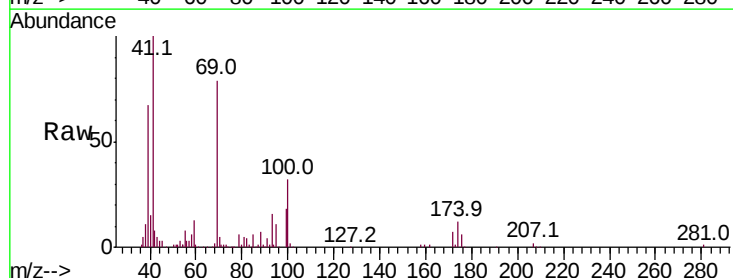
Tgt Ion: 41 Resp: 60214

Ion Ratio Lower Upper

41 100

69 81.9 64.8 97.2

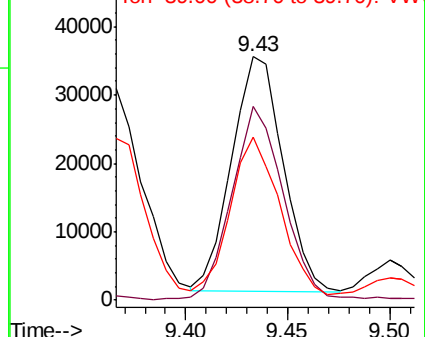
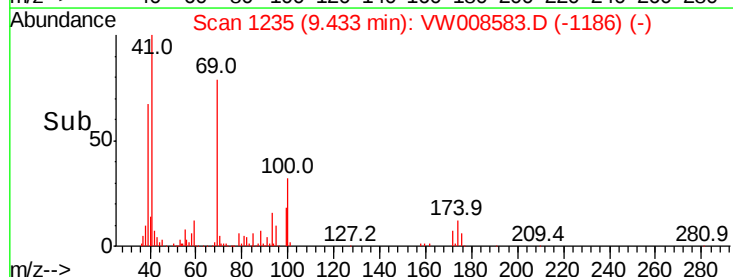
39 63.9 49.1 73.7

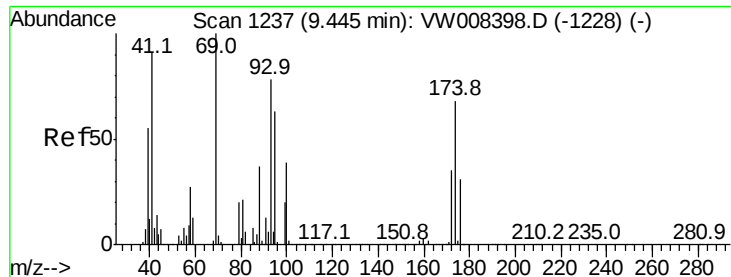


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

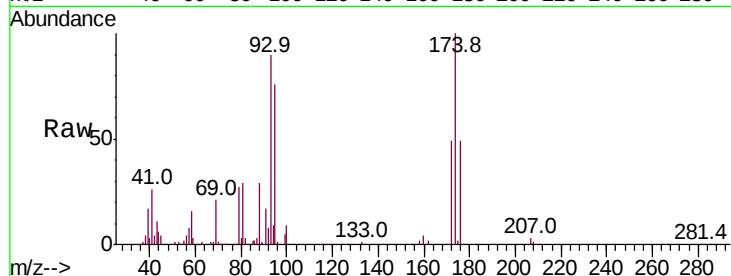




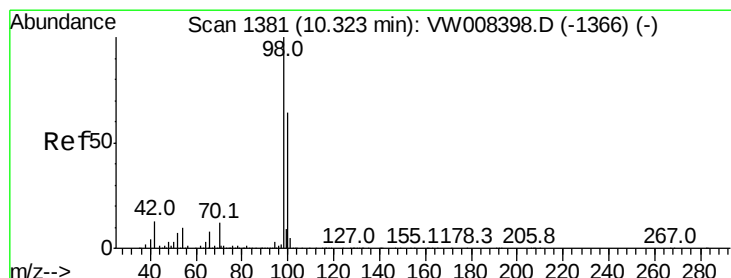
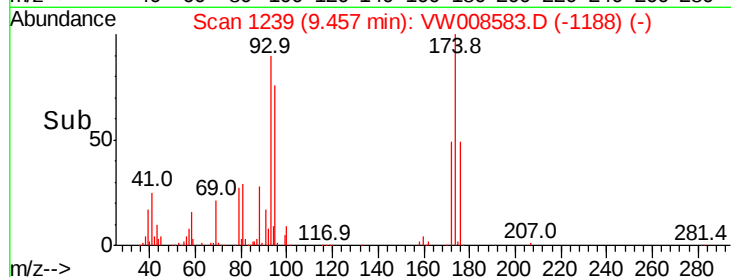
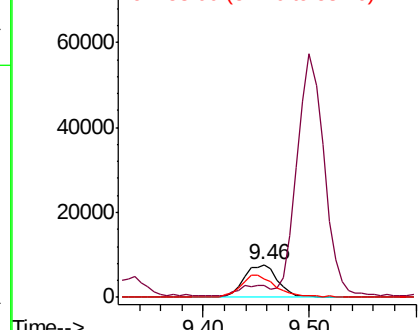
#49
1,4-Dioxane
Concen: 439.897 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion: 88 Resp: 17250
Ion Ratio Lower Upper
88 100
43 30.2 29.0 43.4
58 72.6 56.4 84.6

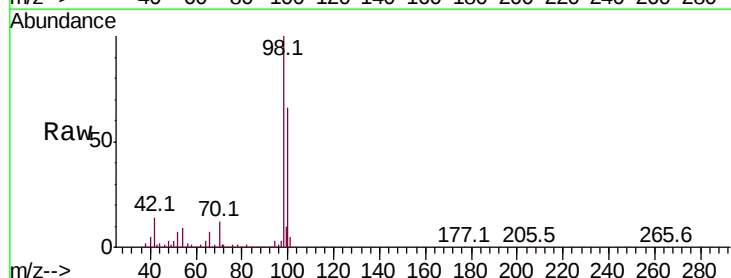


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

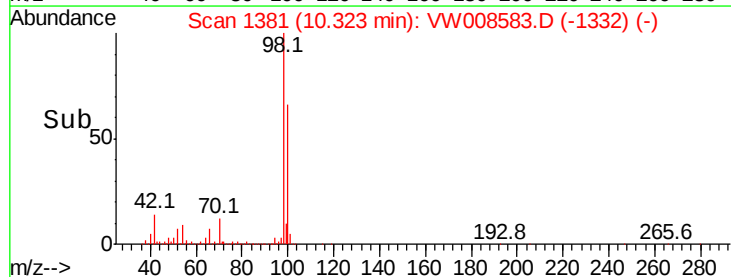
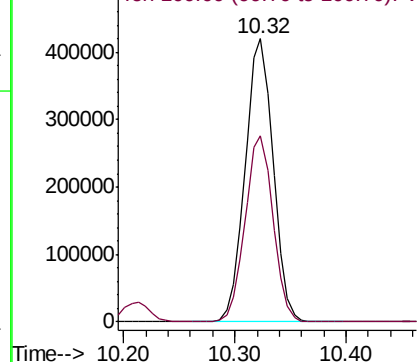


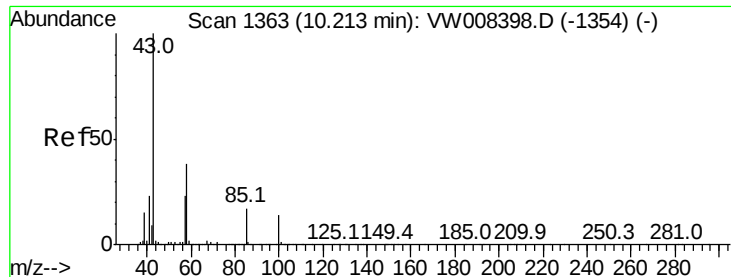
#50
Toluene-d8
Concen: 45.357 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 98 Resp: 733986
Ion Ratio Lower Upper
98 100
100 65.4 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: 115.259 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

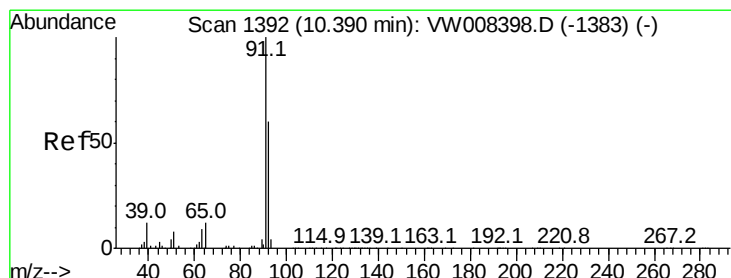
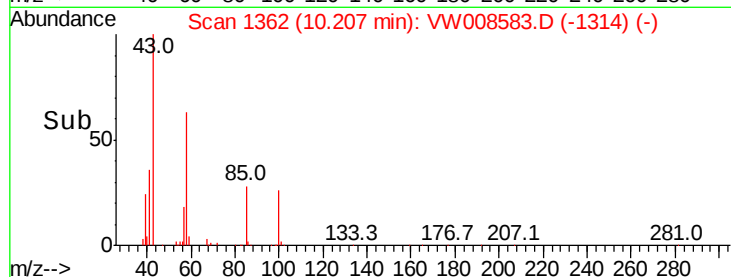
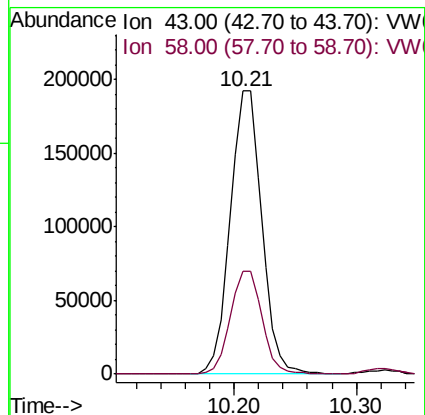
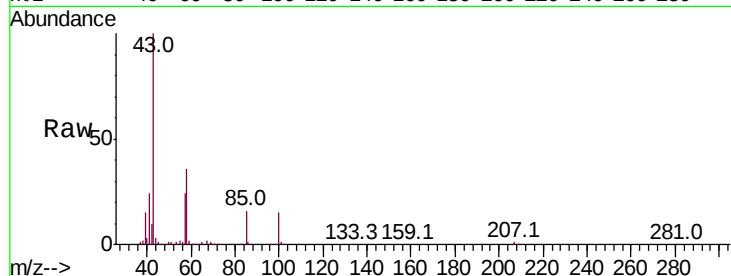
VW0208SBSD01

Tot Ion: 43 Resp: 341203

Ion Ratio Lower Upper

43 100

58 36.6 29.7 44.5



#52

Toluene

Concen: 18.514 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW008583.D

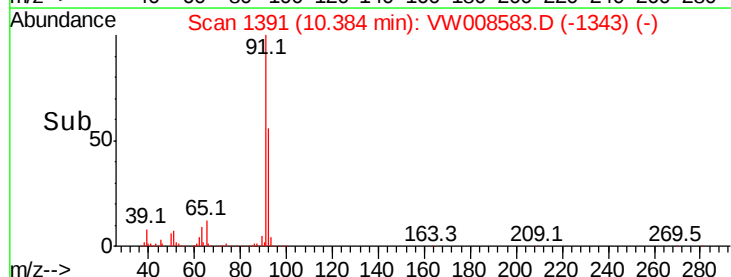
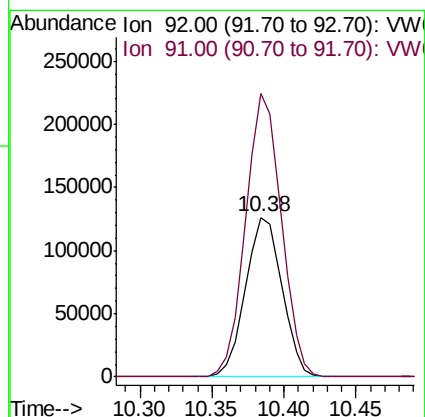
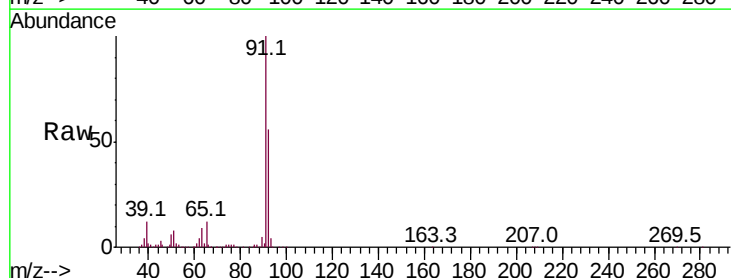
Acq: 08 Feb 2019 20:06

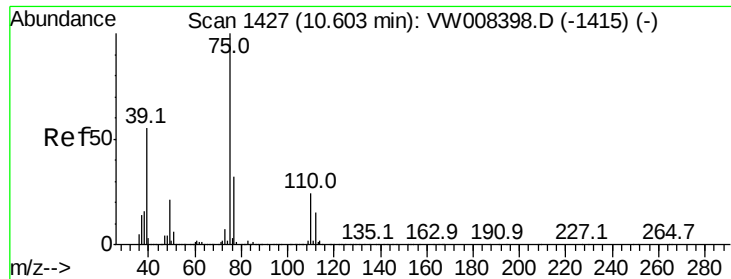
Tgt Ion: 92 Resp: 221089

Ion Ratio Lower Upper

92 100

91 174.1 135.5 203.3





#53

t-1,3-Dichloropropene

Concen: 18.981 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

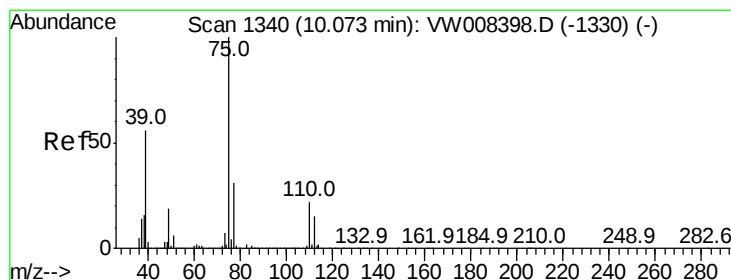
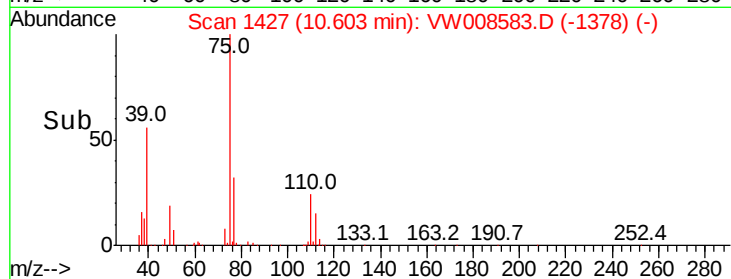
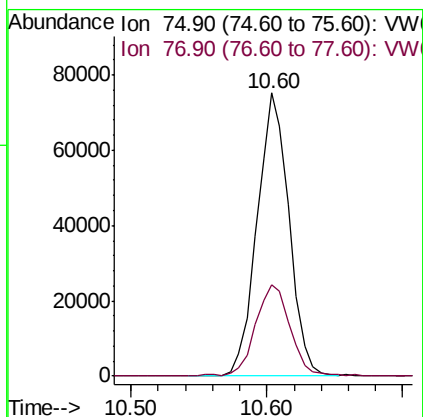
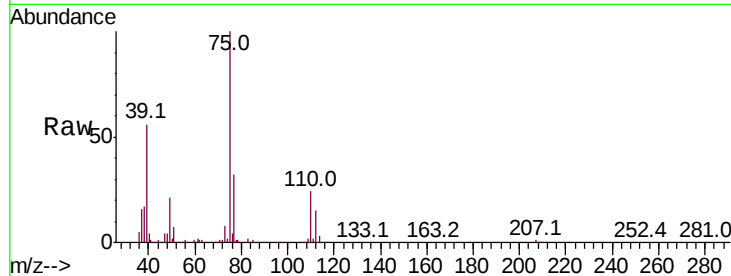
VW0208SBSD01

Tot Ion: 75 Resp: 123934

Ion Ratio Lower Upper

75 100

77 31.9 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 19.237 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

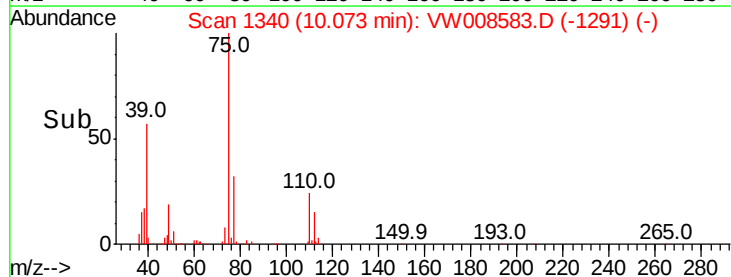
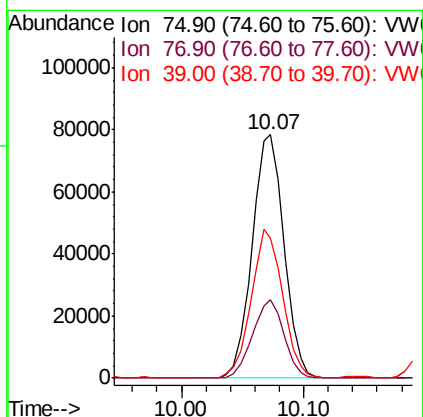
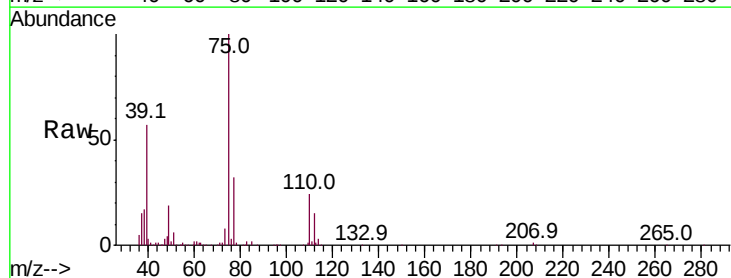
Tgt Ion: 75 Resp: 142545

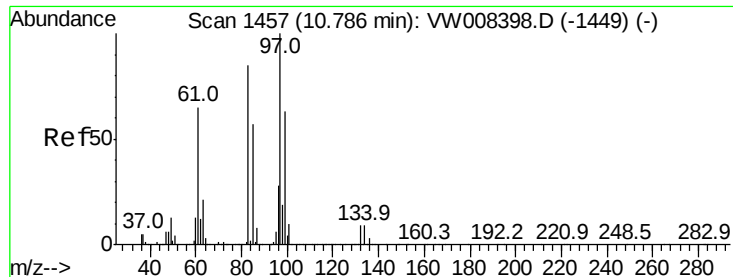
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.4

39 57.2 44.9 67.3





#55

1,1,2-Trichloroethane

Concen: 22.242 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

Tot Ion: 97 Resp: 71572

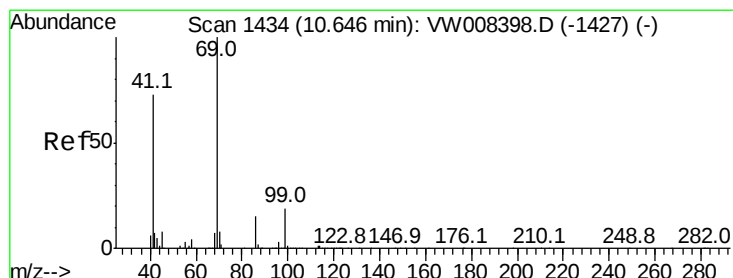
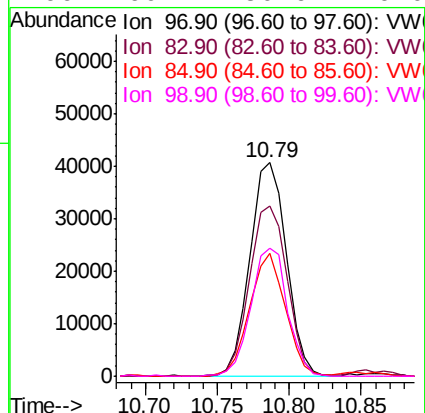
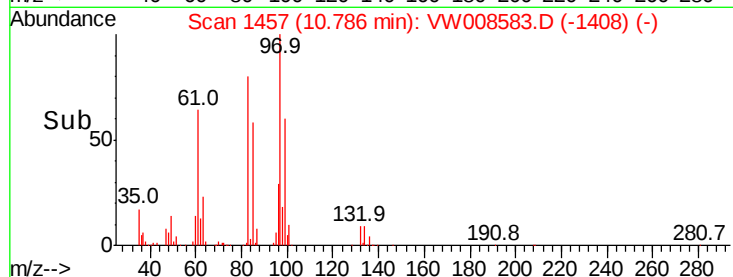
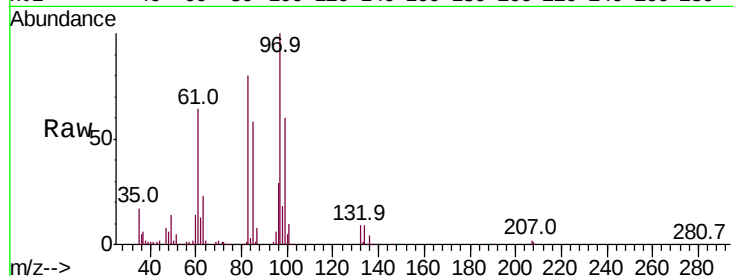
Ion	Ratio	Lower	Upper
97	100		
83	80.0	68.4	102.6
85	57.8	45.3	67.9
99	60.1	50.6	76.0

97 100

83 80.0 68.4 102.6

85 57.8 45.3 67.9

99 60.1 50.6 76.0



#56

Ethyl methacrylate

Concen: 20.694 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

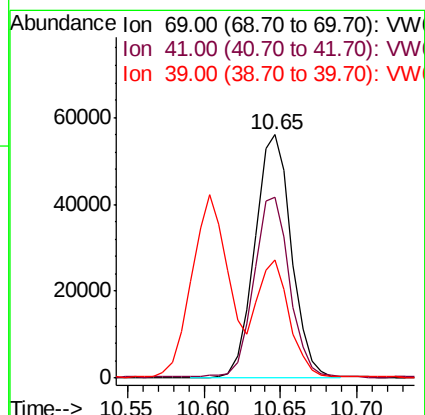
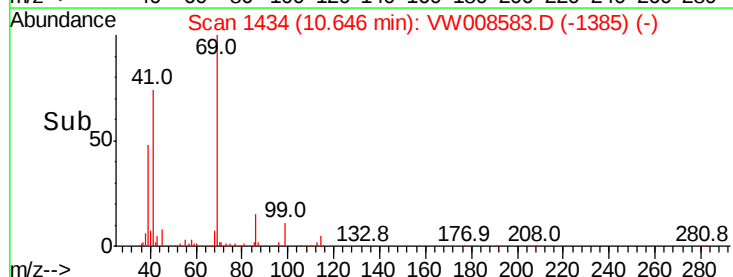
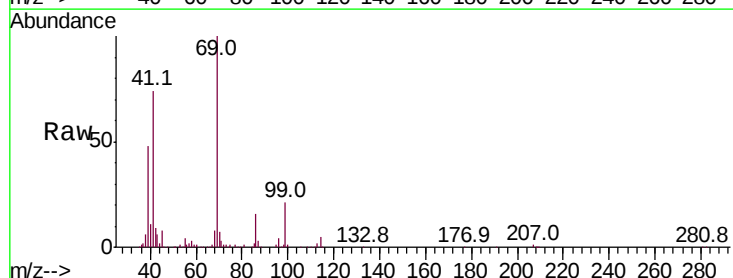
Tgt Ion: 69 Resp: 93309

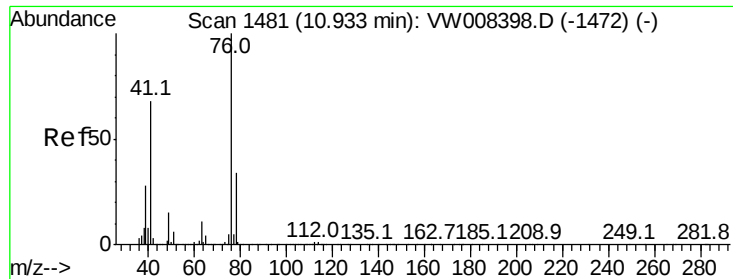
Ion	Ratio	Lower	Upper
69	100		
41	73.0	58.7	88.1
39	41.6	32.6	48.8

69 100

41 73.0 58.7 88.1

39 41.6 32.6 48.8





#57

1,3-Dichloropropane

Concen: 21.052 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

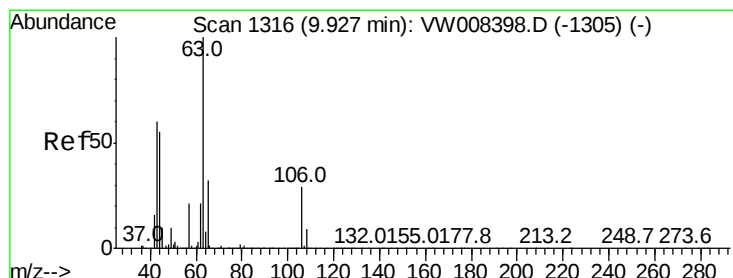
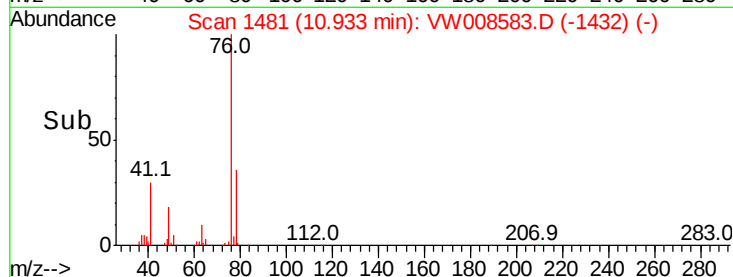
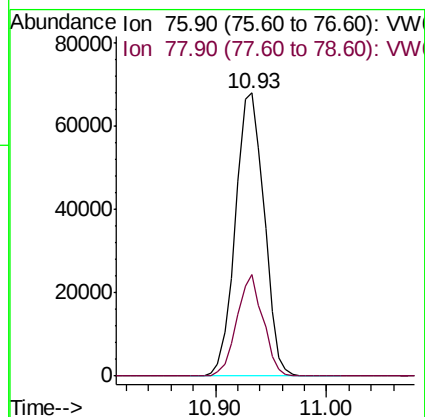
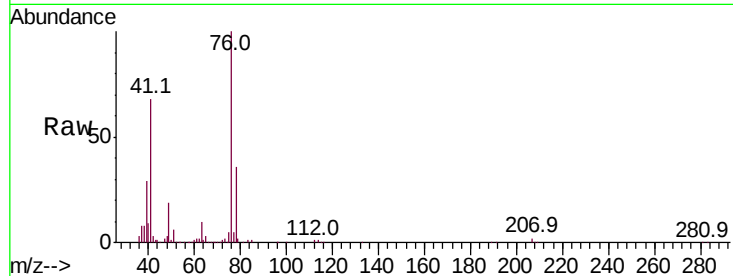
VW0208SBSD01

Tot Ion: 76 Resp: 121359

Ion Ratio Lower Upper

76 100

78 33.0 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 115.237 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW008583.D

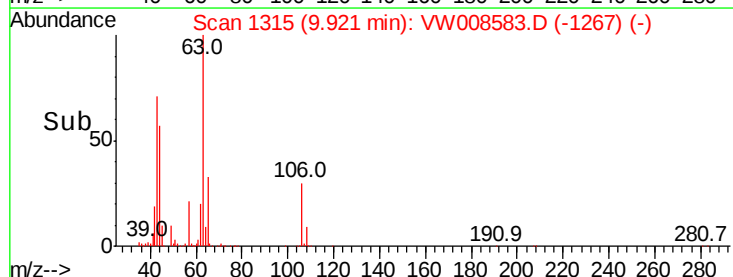
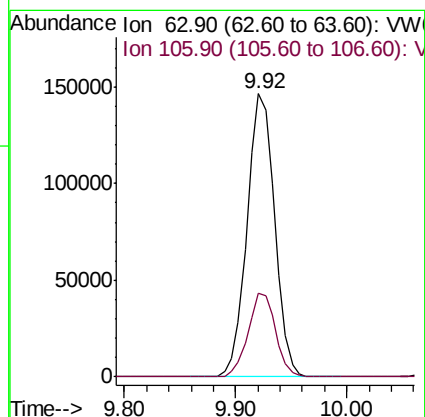
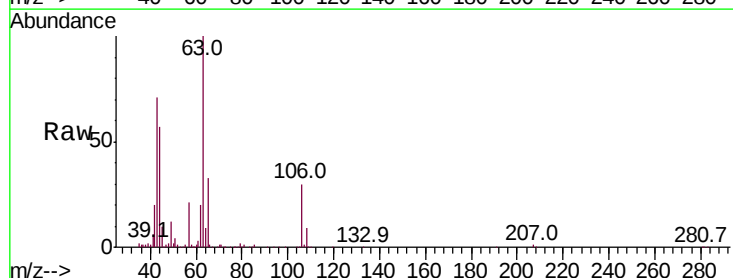
Acq: 08 Feb 2019 20:06

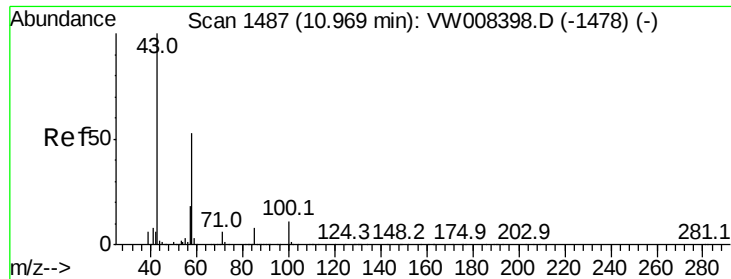
Tgt Ion: 63 Resp: 252456

Ion Ratio Lower Upper

63 100

106 29.4 22.4 33.6

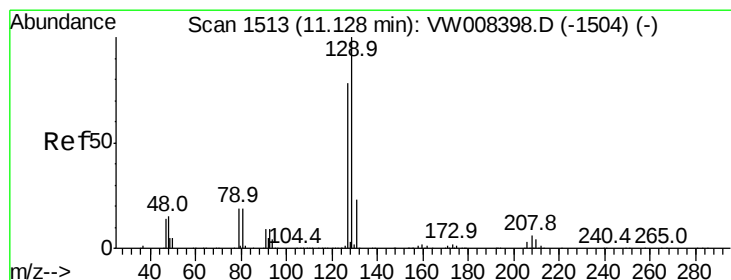
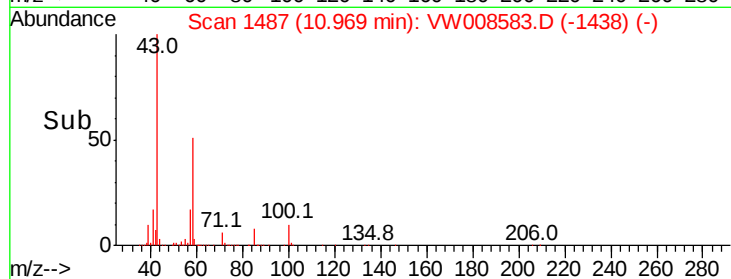
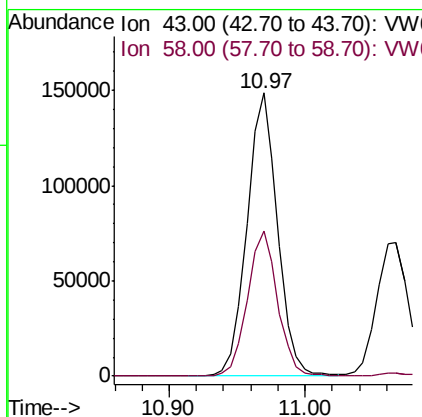
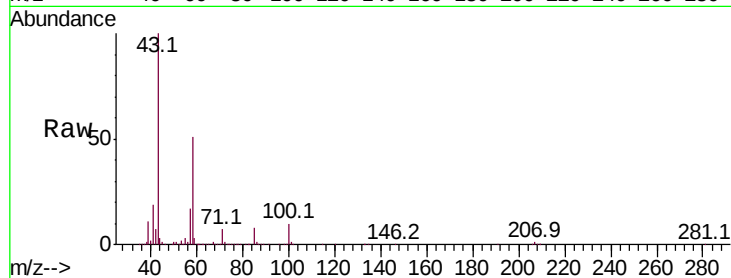




#59
2-Hexanone
Concen: 111.160 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

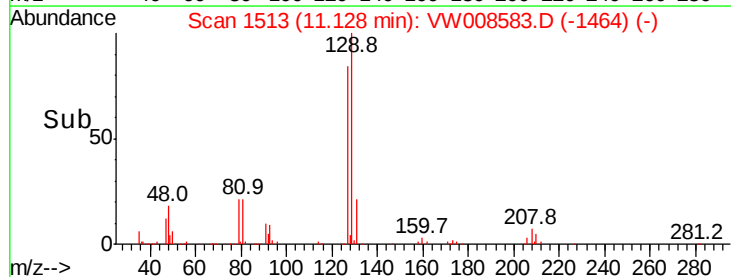
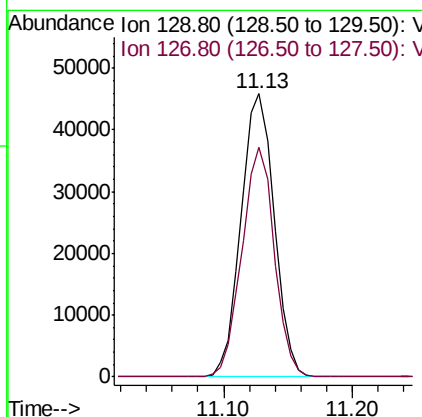
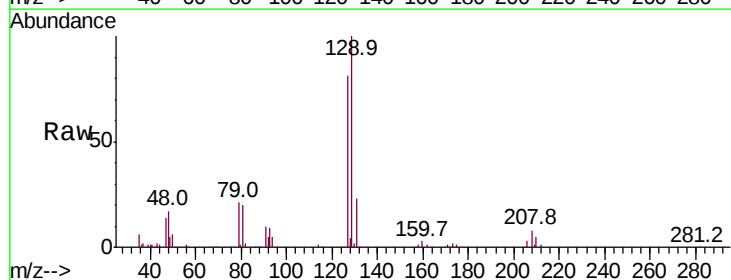
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

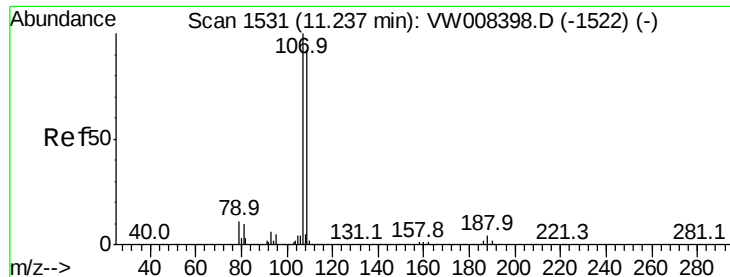
Tot Ion: 43 Resp: 232308
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#60
Dibromochloromethane
Concen: 19.784 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion: 129 Resp: 81811
Ion Ratio Lower Upper
129 100
127 79.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 21.298 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

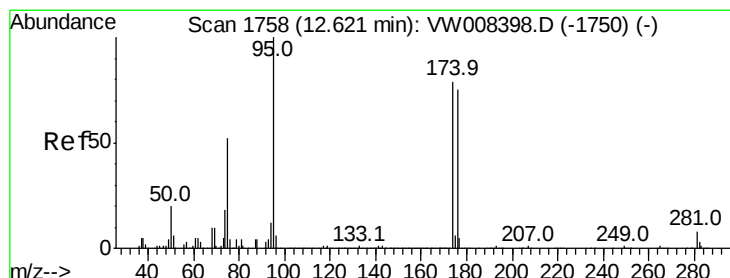
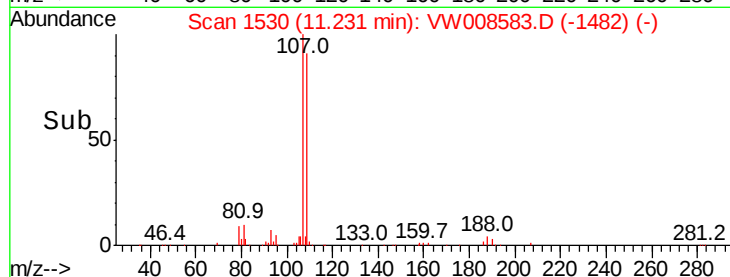
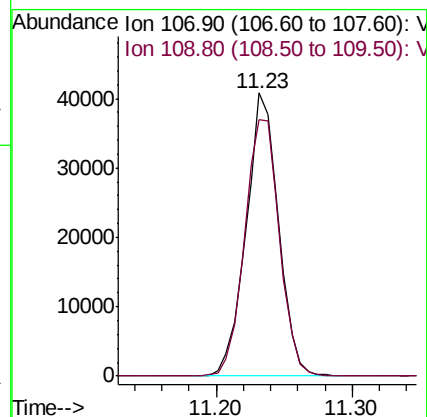
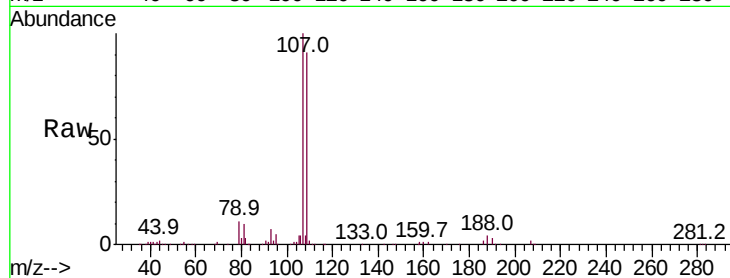
VW0208SBSD01

Tot Ion:107 Resp: 67955

Ion Ratio Lower Upper

107 100

109 97.4 75.0 112.4



#62

4-Bromofluorobenzene

Concen: 45.117 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

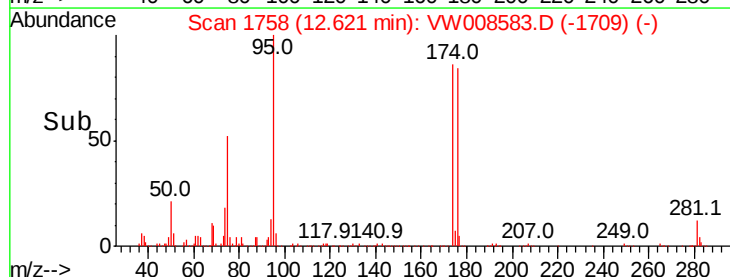
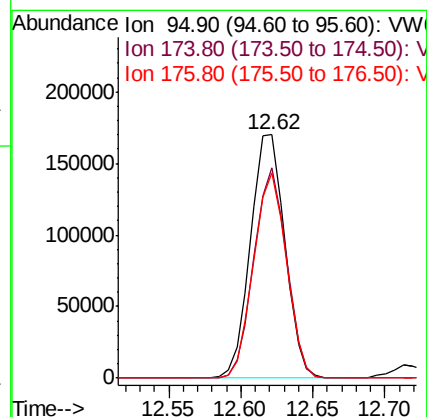
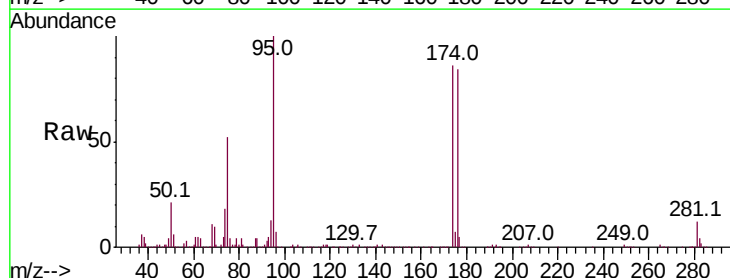
Tgt Ion: 95 Resp: 280640

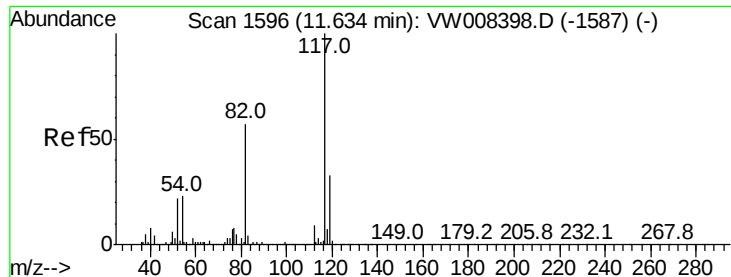
Ion Ratio Lower Upper

95 100

174 81.9 0.0 157.6

176 80.6 0.0 151.8

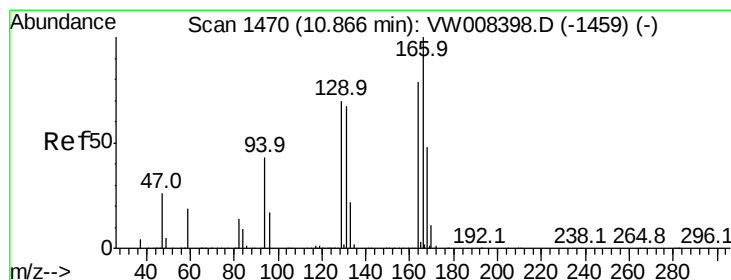
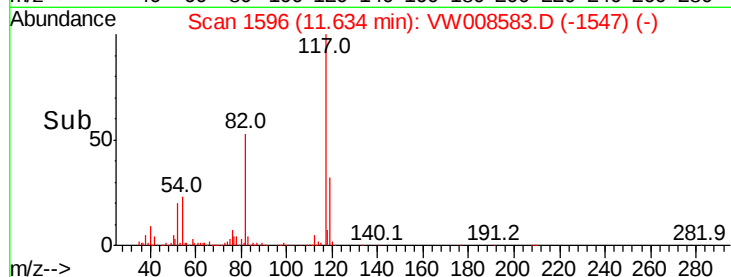
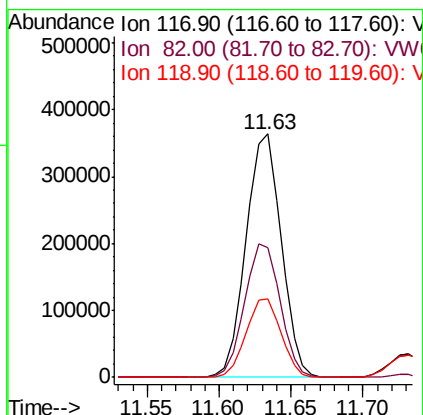
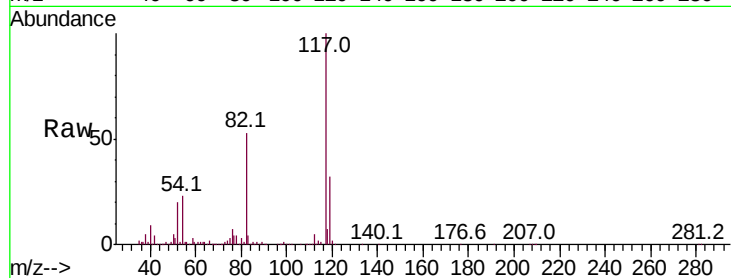




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

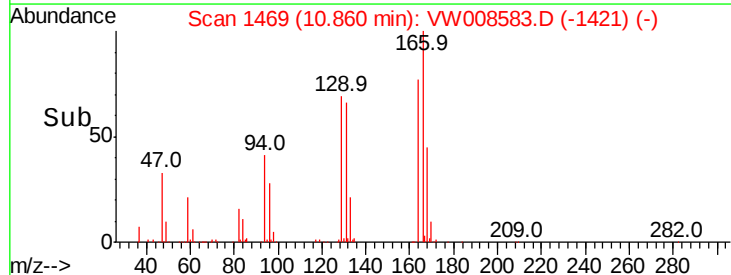
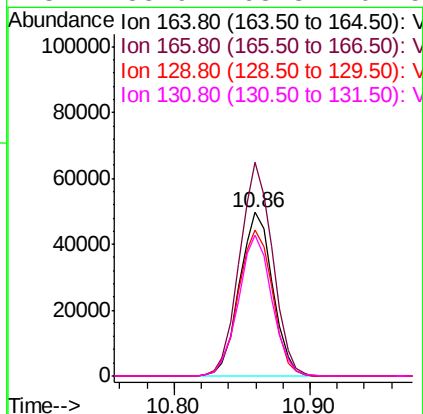
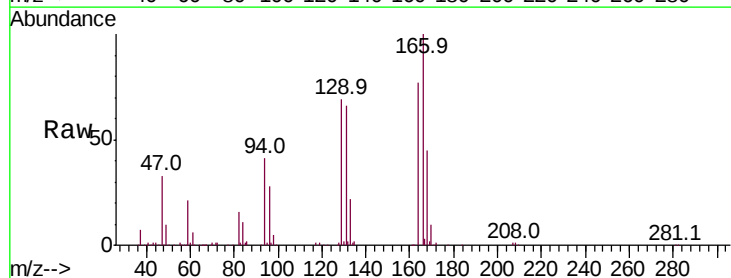
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

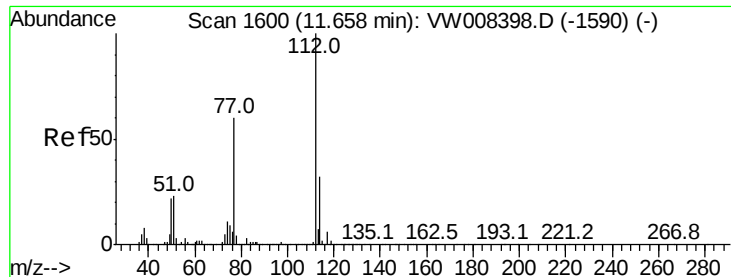
Tot Ion:117 Resp: 616182
Ion Ratio Lower Upper
117 100
82 53.4 45.4 68.0
119 32.5 26.2 39.4



#64
Tetrachloroethene
Concen: 20.319 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion:164 Resp: 84768
Ion Ratio Lower Upper
164 100
166 130.7 101.4 152.0
129 89.5 71.0 106.6
131 85.9 68.3 102.5

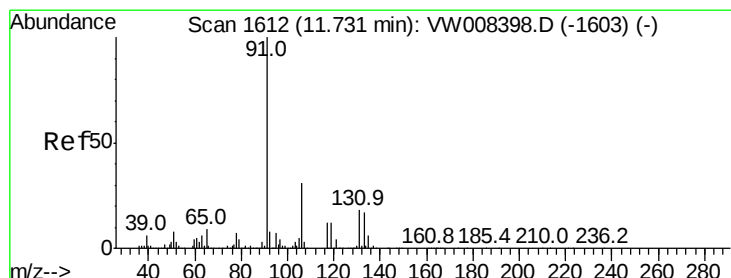
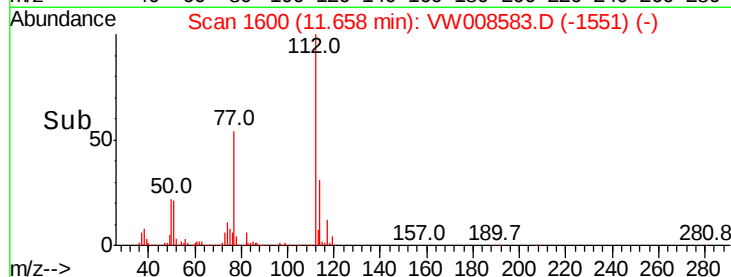
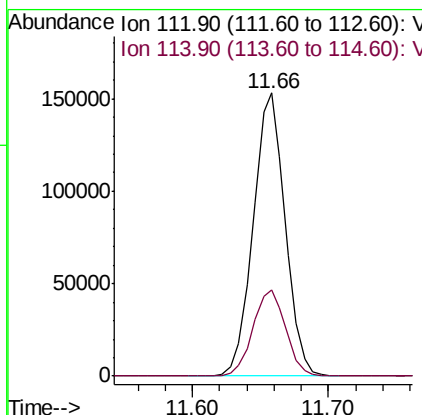
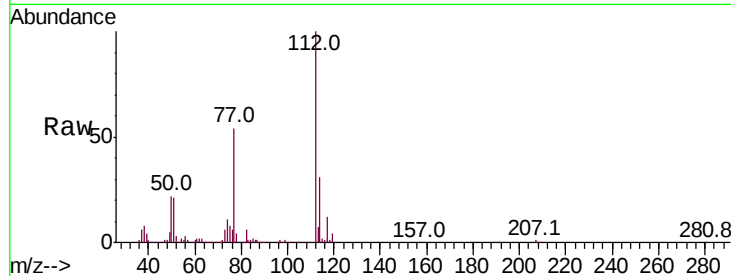




#65
Chlorobenzene
Concen: 20.022 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

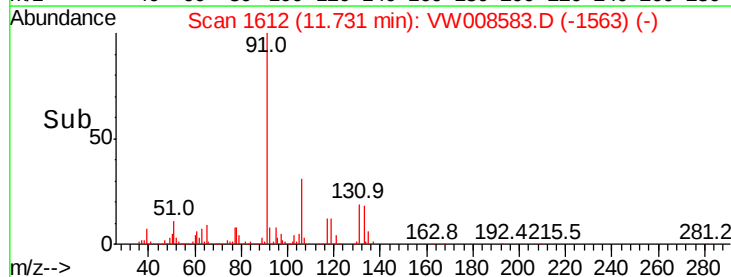
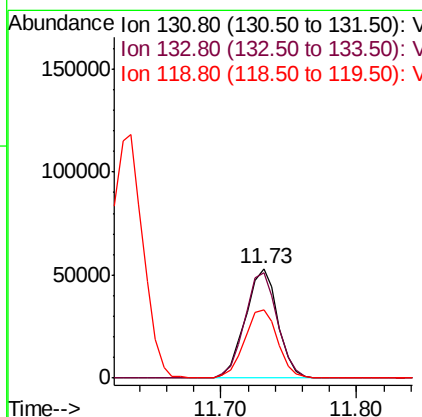
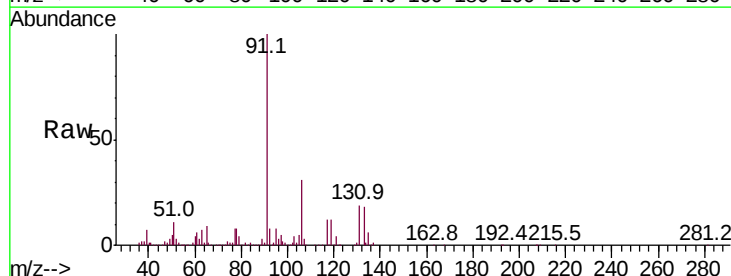
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

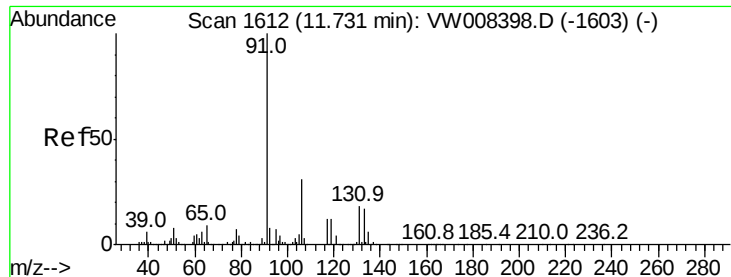
Tot Ion:112 Resp: 251851
Ion Ratio Lower Upper
112 100
114 30.5 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 19.701 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion:131 Resp: 88663
Ion Ratio Lower Upper
131 100
133 97.3 47.0 141.2
119 64.4 32.1 96.3





#67

Ethyl Benzene

Concen: 18.944 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

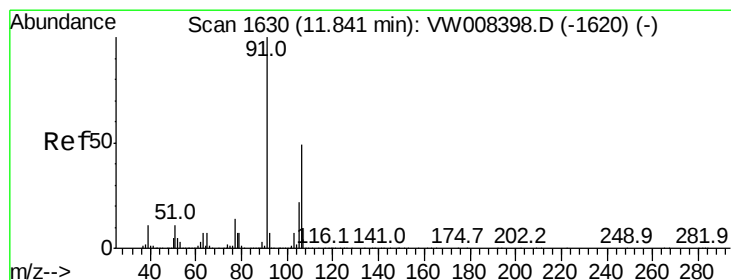
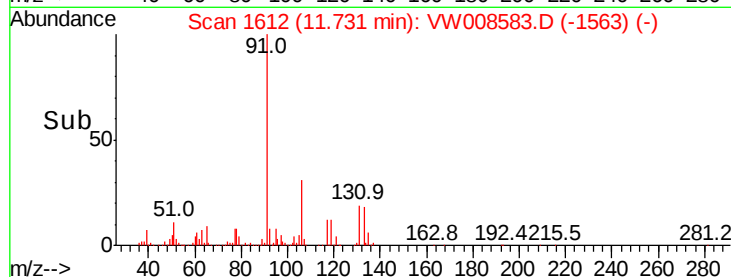
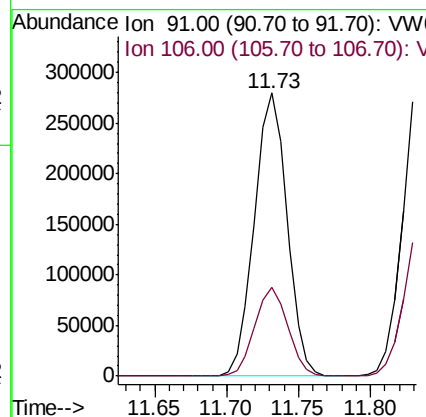
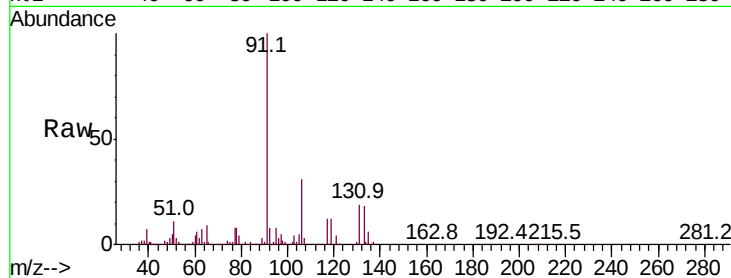
VW0208SBSD01

Tot Ion: 91 Resp: 438004

Ion Ratio Lower Upper

91 100

106 31.5 24.7 37.1



#68

m/p-Xylenes

Concen: 37.789 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW008583.D

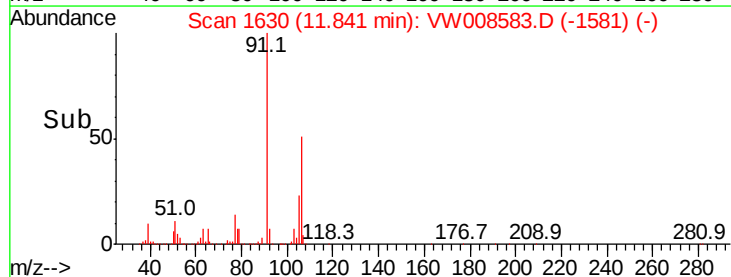
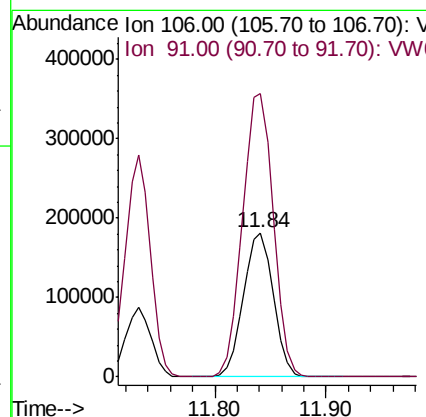
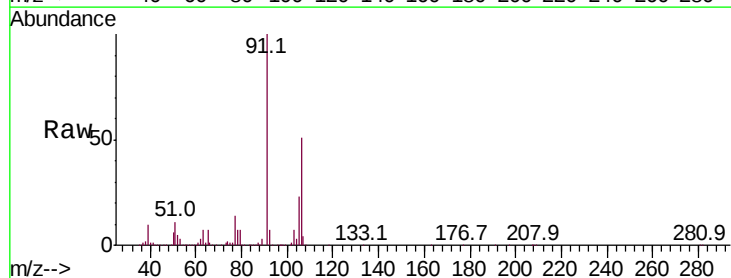
Acq: 08 Feb 2019 20:06

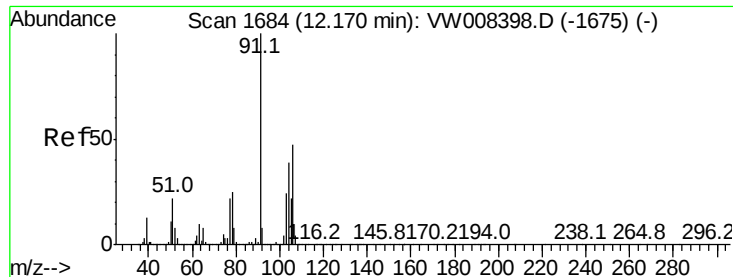
Tgt Ion: 106 Resp: 339005

Ion Ratio Lower Upper

106 100

91 201.6 162.9 244.3

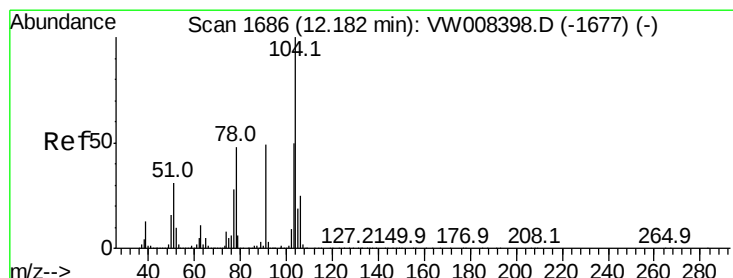
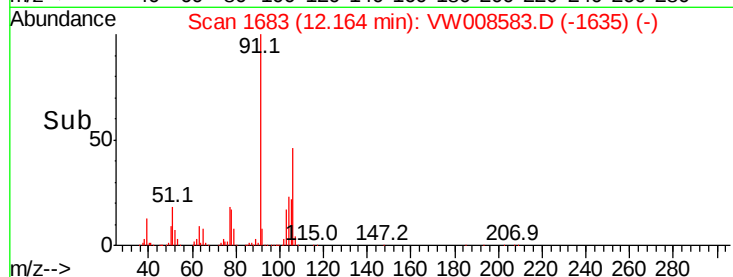
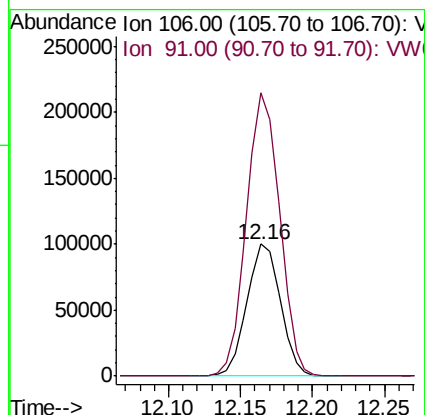
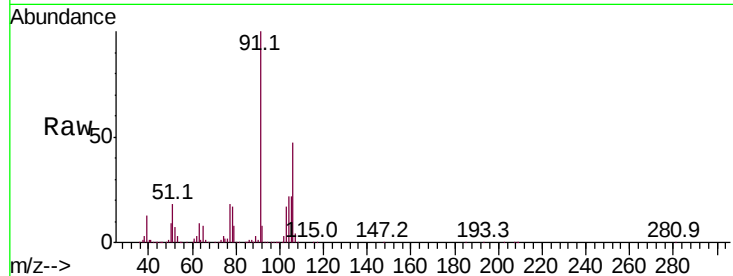




#69
o-Xylene
Concen: 18.942 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

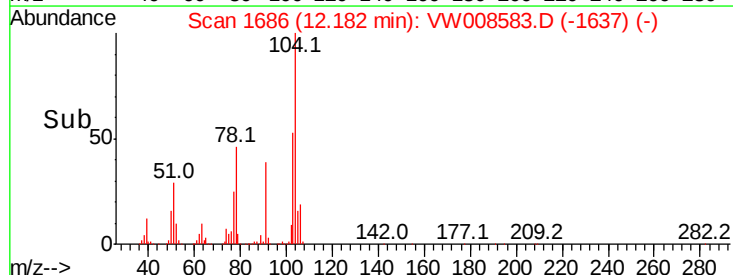
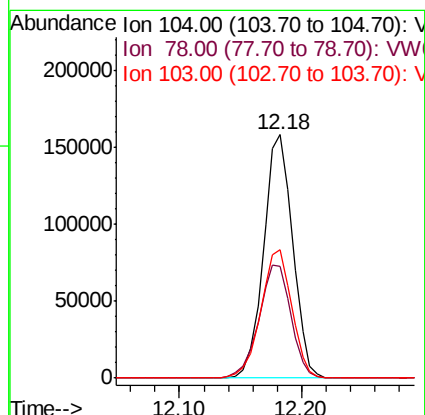
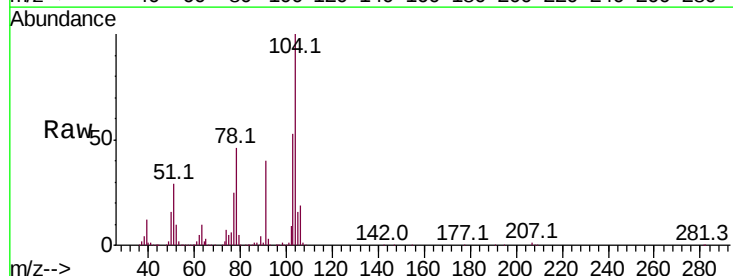
Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

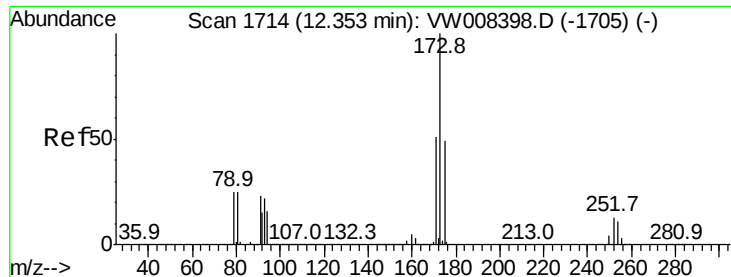
Tot Ion:106 Resp: 161453
Ion Ratio Lower Upper
106 100
91 213.3 107.5 322.4



#70
Styrene
Concen: 18.606 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion:104 Resp: 261969
Ion Ratio Lower Upper
104 100
78 51.2 42.4 63.6
103 56.3 43.4 65.0





#71

Bromoform

Concen: 19.917 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

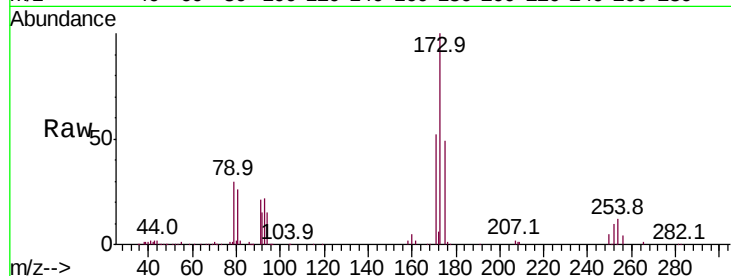
Tot Ion:173 Resp: 50431

Ion Ratio Lower Upper

173 100

175 47.1 24.4 73.4

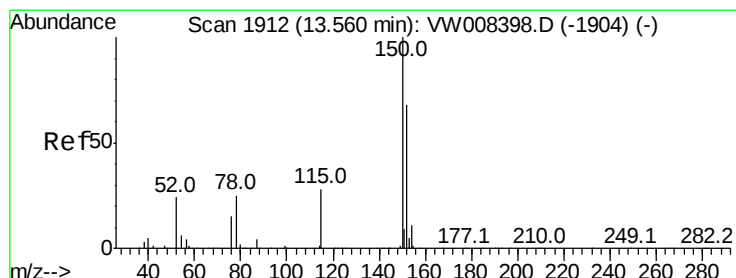
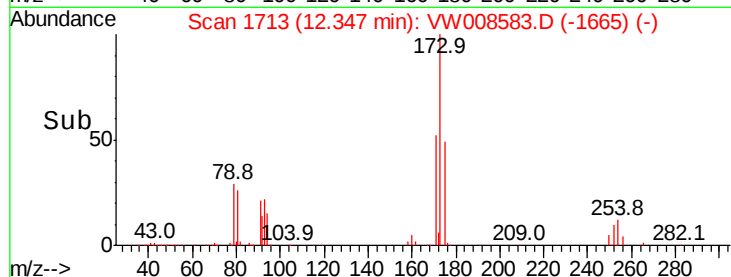
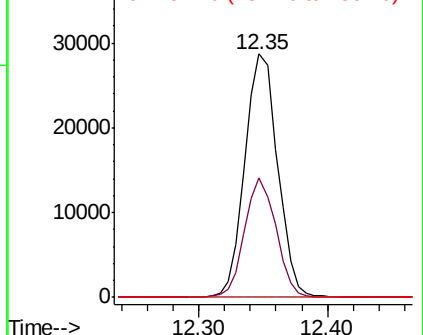
254 0.0 0.2 0.2#



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: VW008583.D

Acq: 08 Feb 2019 20:06

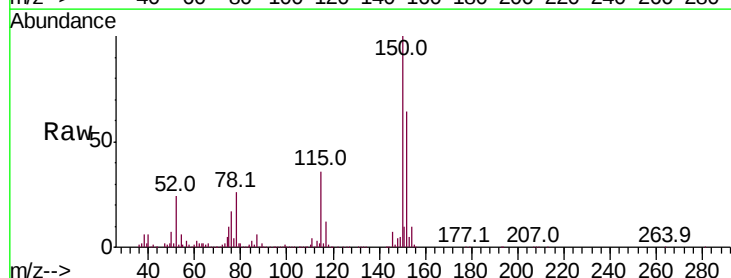
Tgt Ion:152 Resp: 321100

Ion Ratio Lower Upper

152 100

115 58.1 29.9 89.7

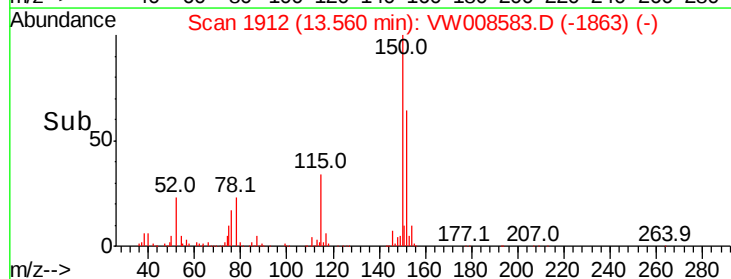
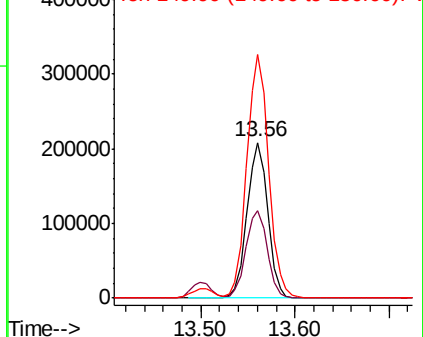
150 164.5 0.0 351.4

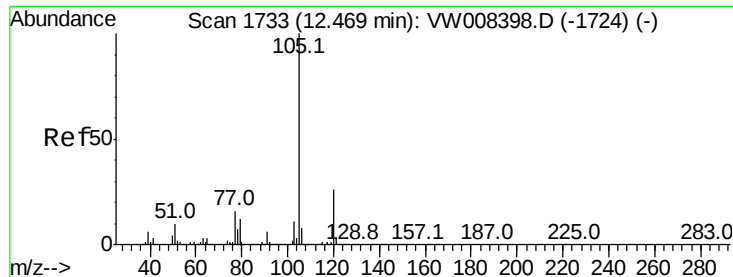


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.552 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

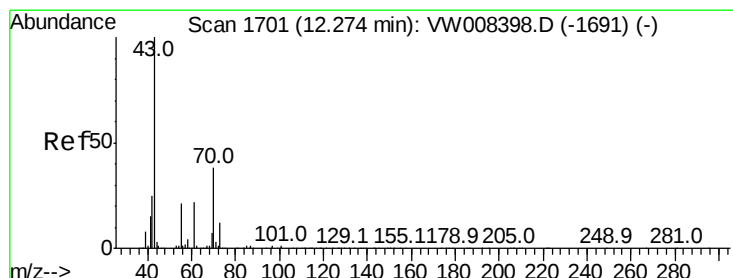
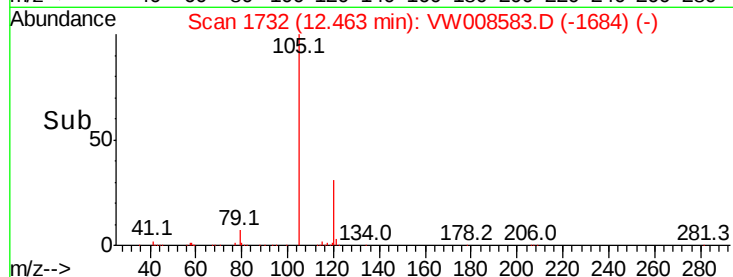
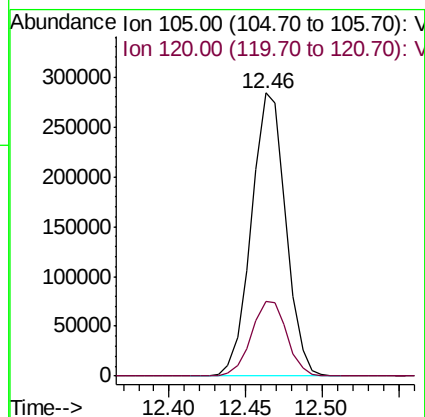
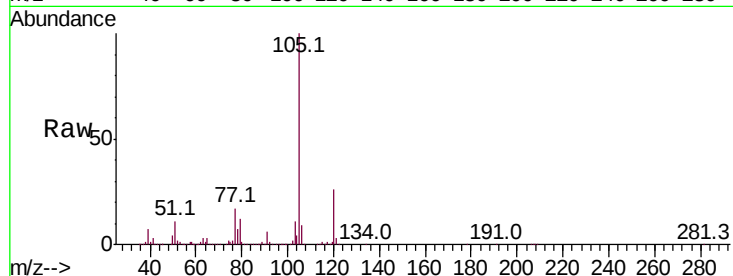
VW0208SBS01

Tot Ion:105 Resp: 444098

Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8



#74

N-ethyl acetate

Concen: 20.823 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Tgt Ion: 43 Resp: 128413

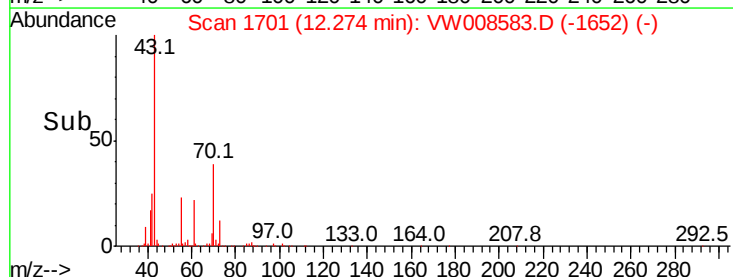
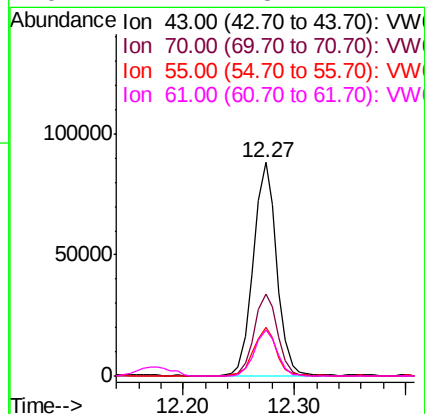
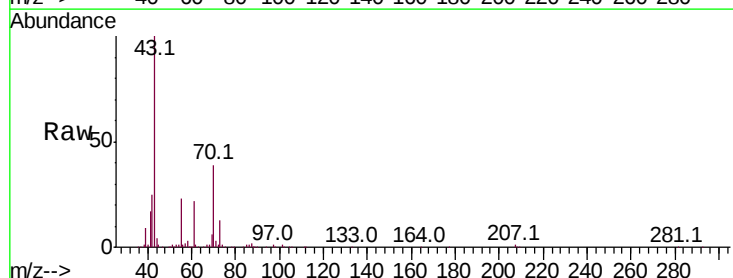
Ion Ratio Lower Upper

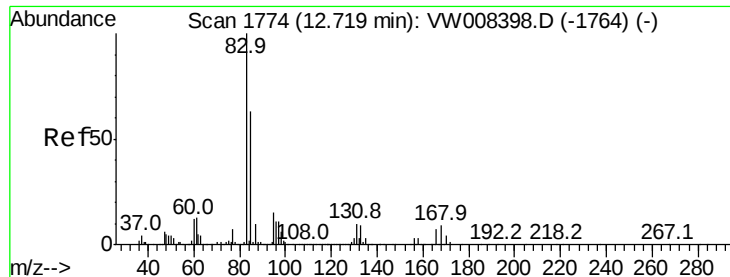
43 100

70 38.8 31.0 46.6

55 22.5 17.4 26.2

61 21.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.590 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

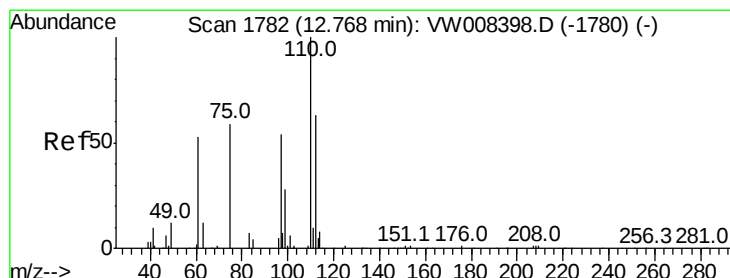
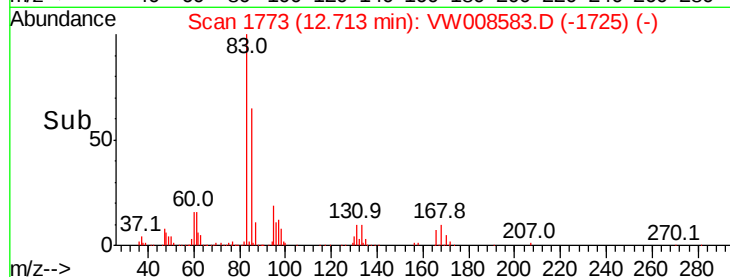
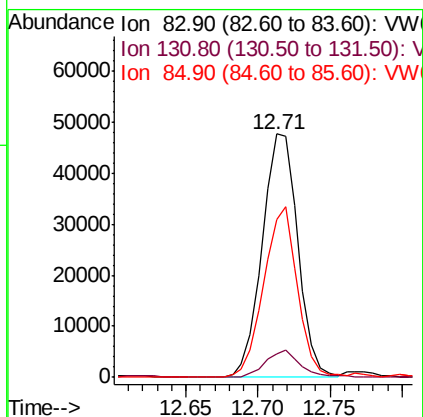
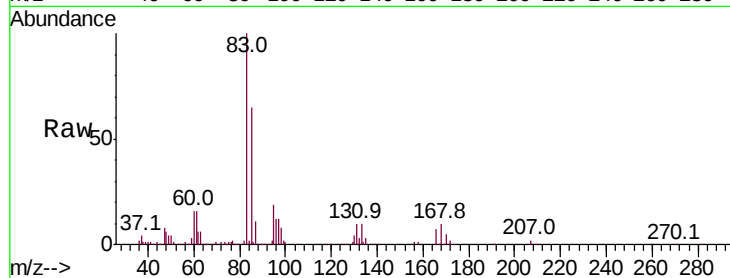
Tot Ion: 83 Resp: 81826

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.4

85 66.3 31.9 95.5



#76

1,2,3-Trichloropropane

Concen: 39.782 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW008583.D

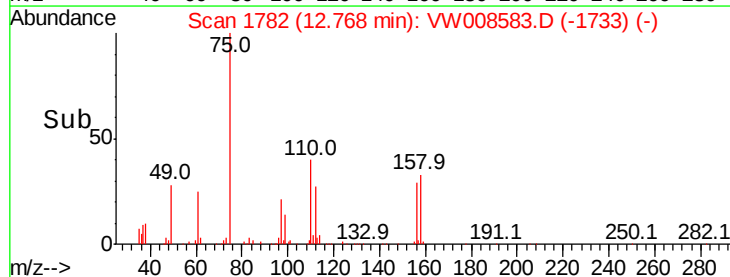
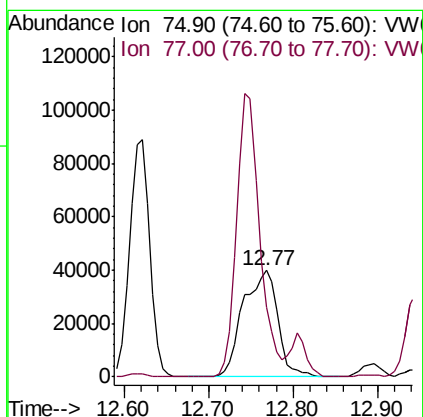
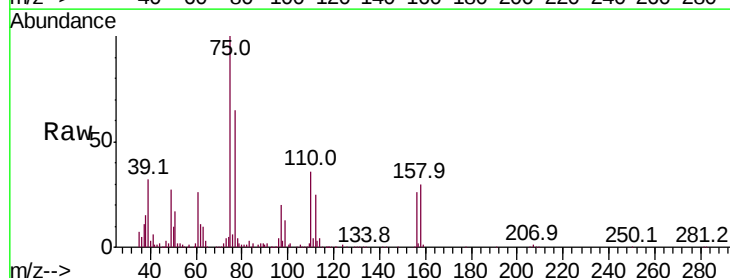
Acq: 08 Feb 2019 20:06

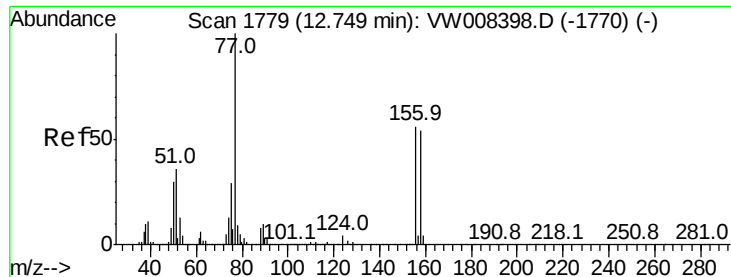
Tgt Ion: 75 Resp: 111061

Ion Ratio Lower Upper

75 100

77 0.0 180.7 542.1#





#77

Bromobenzene

Concen: 20.136 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

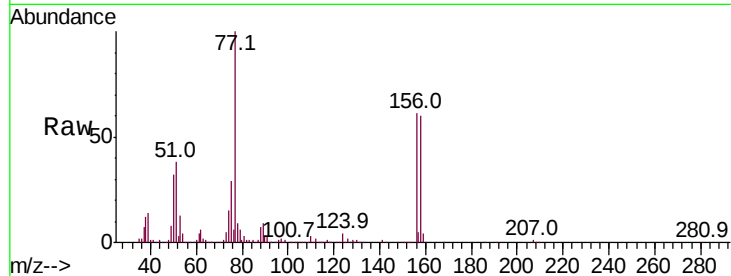
Tot Ion:156 Resp: 105272

Ion Ratio Lower Upper

156 100

77 185.8 96.9 290.7

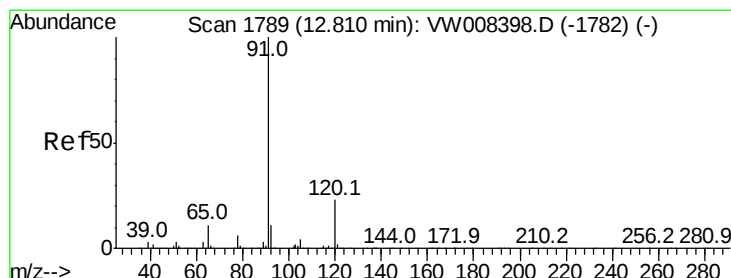
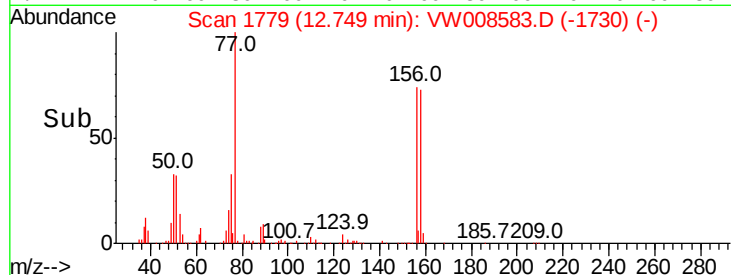
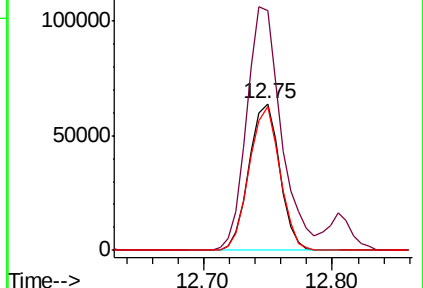
158 97.6 48.8 146.4



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: 18.336 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008583.D

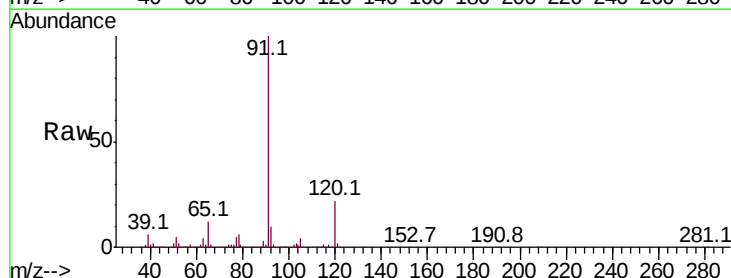
Acq: 08 Feb 2019 20:06

Tgt Ion: 91 Resp: 527186

Ion Ratio Lower Upper

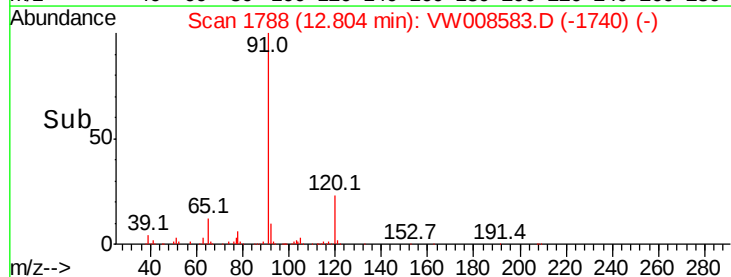
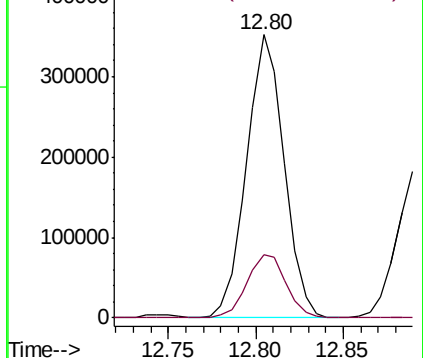
91 100

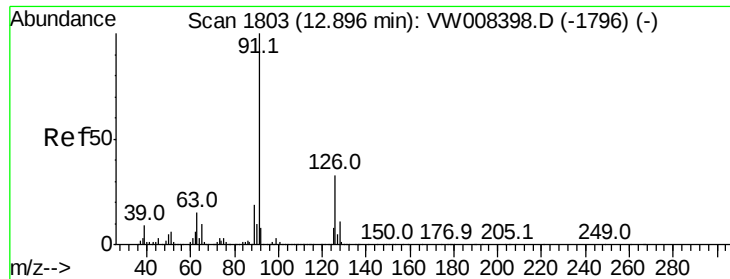
120 23.3 11.4 34.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.625 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

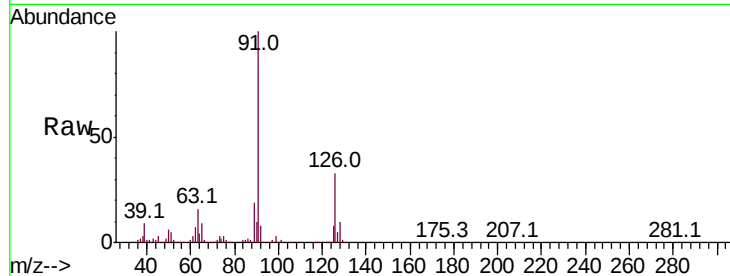
VW0208SBSD01

Tot Ion: 91 Resp: 302189

Ion Ratio Lower Upper

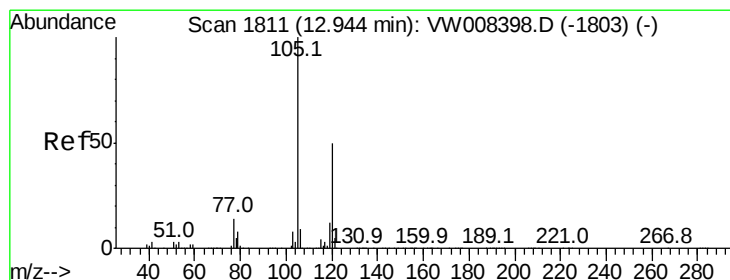
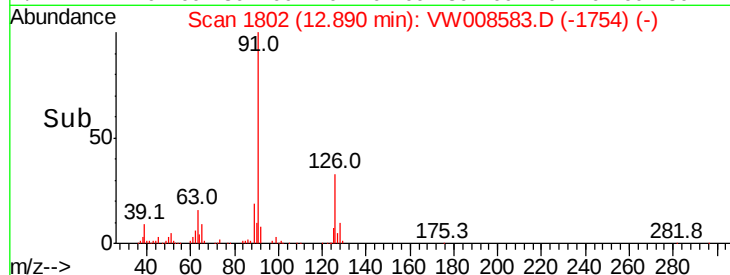
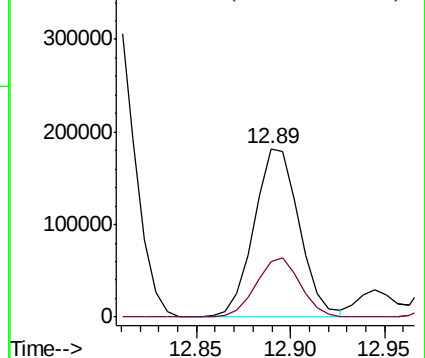
91 100

126 34.2 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: 18.446 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008583.D

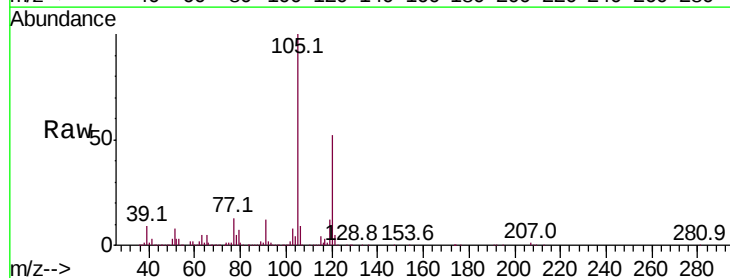
Acq: 08 Feb 2019 20:06

Tgt Ion:105 Resp: 369077

Ion Ratio Lower Upper

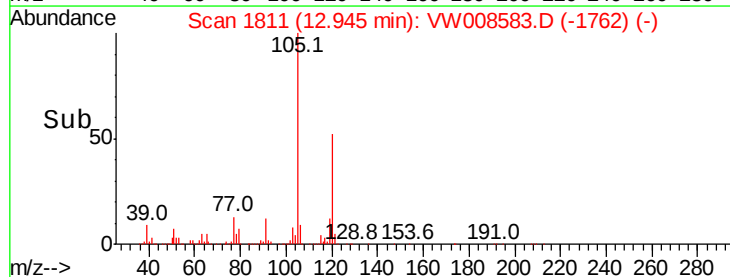
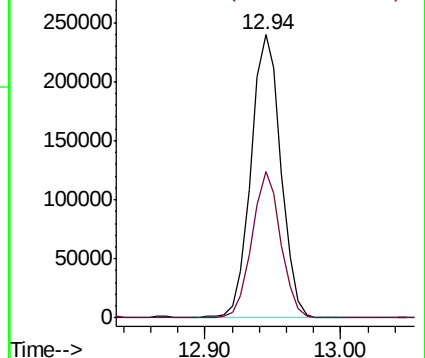
105 100

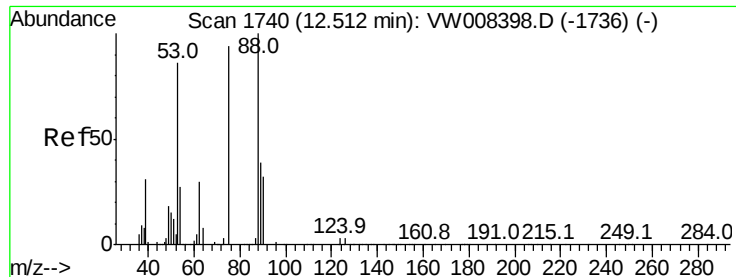
120 49.7 24.6 73.8



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: 18.367 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

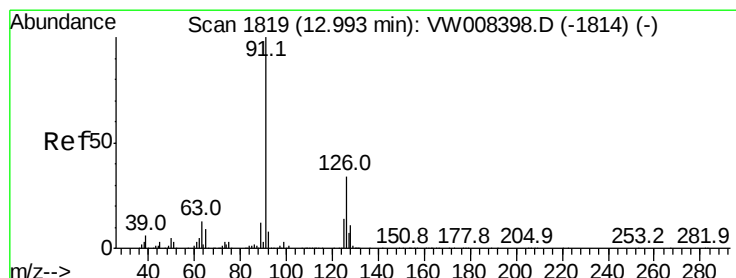
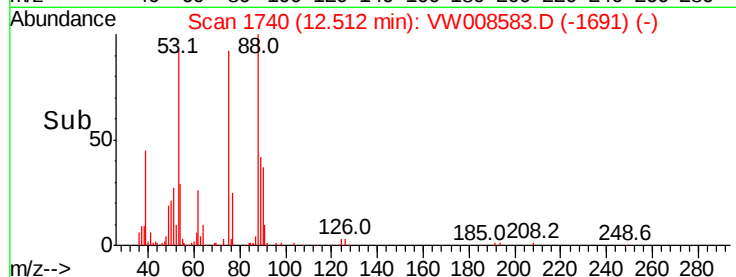
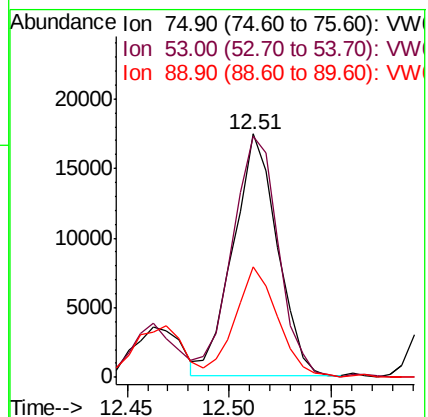
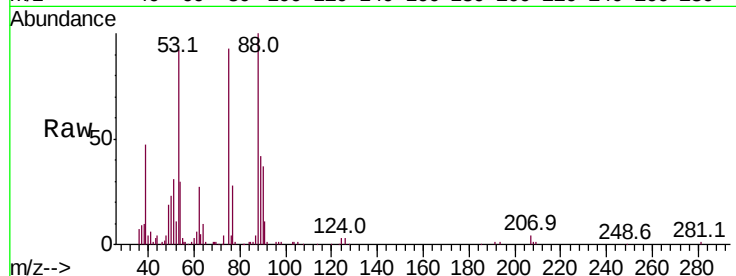
Tot Ion: 75 Resp: 25961

Ion Ratio Lower Upper

75 100

53 105.7 76.0 114.0

89 44.4 35.4 53.0



#82

4-Chlorotoluene

Concen: 18.232 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VW008583.D

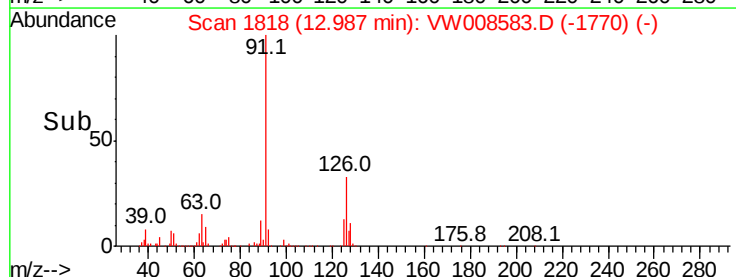
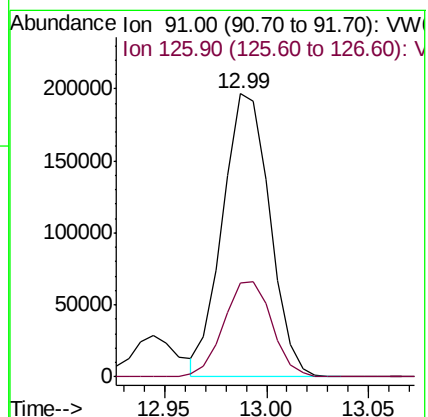
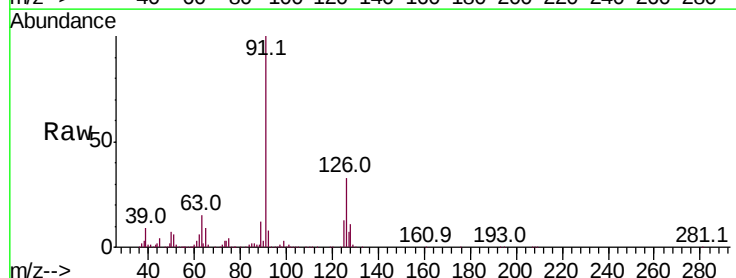
Acq: 08 Feb 2019 20:06

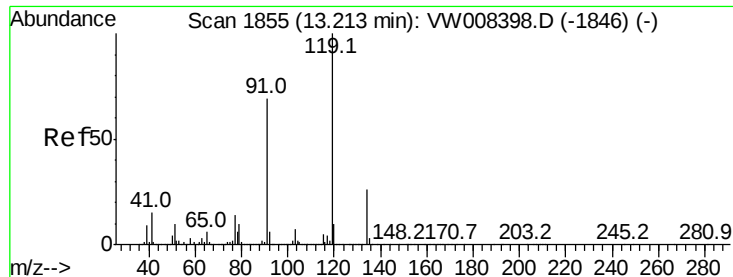
Tgt Ion: 91 Resp: 314944

Ion Ratio Lower Upper

91 100

126 34.4 16.4 49.2





#83

tert-Butylbenzene

Concen: 18.333 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

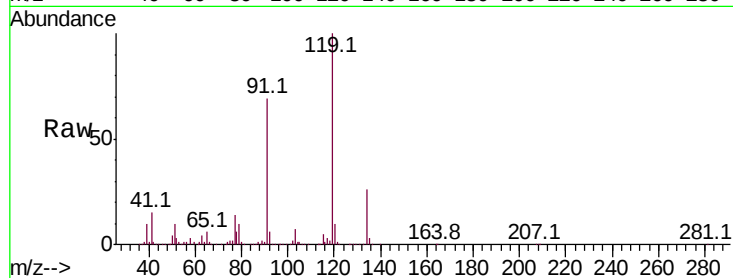
Tot Ion:119 Resp: 326428

Ion Ratio Lower Upper

119 100

91 67.1 33.8 101.4

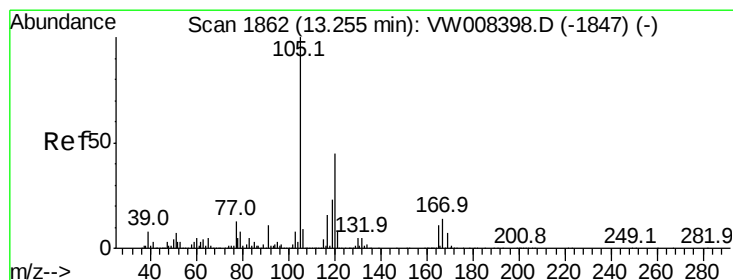
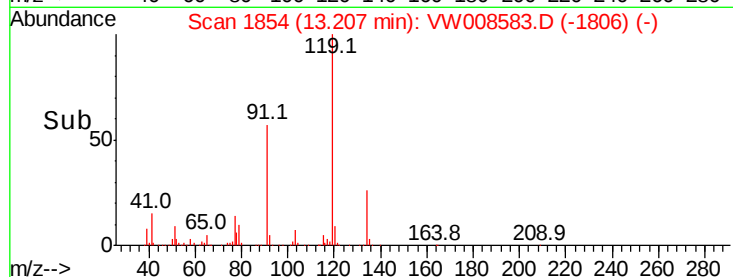
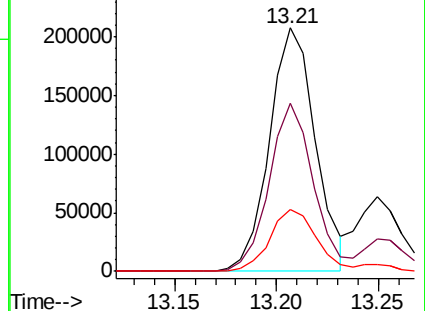
134 25.8 13.5 40.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VW

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.833 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW008583.D

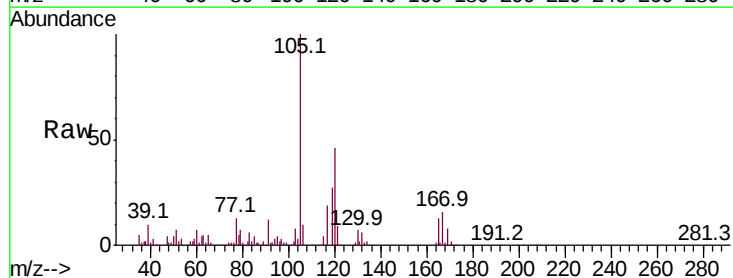
Acq: 08 Feb 2019 20:06

Tgt Ion:105 Resp: 383011

Ion Ratio Lower Upper

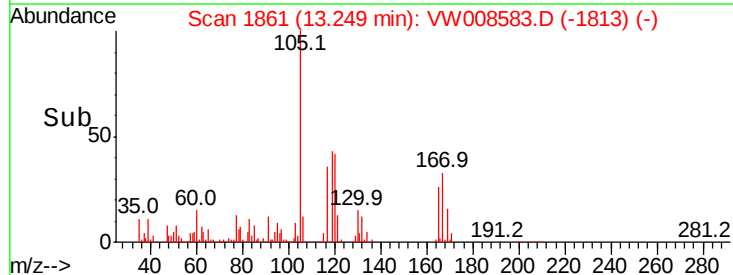
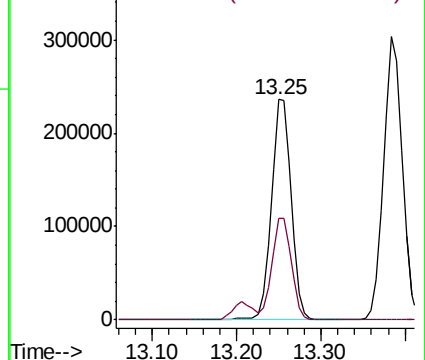
105 100

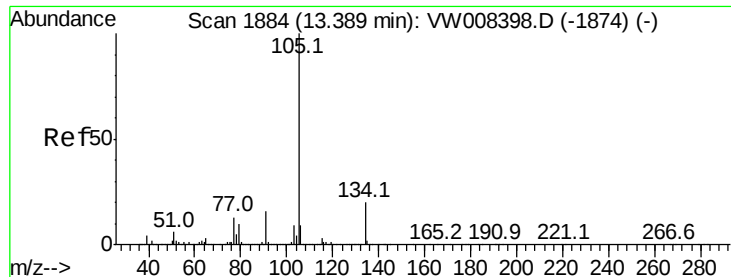
120 45.6 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.378 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

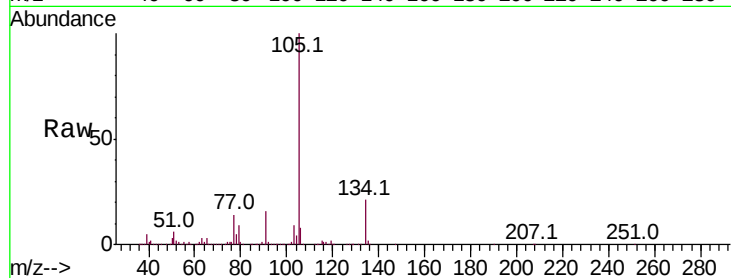
VW0208SBSD01

Tot Ion:105 Resp: 467319

Ion Ratio Lower Upper

105 100

134 20.6 10.2 30.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.38

300000

200000

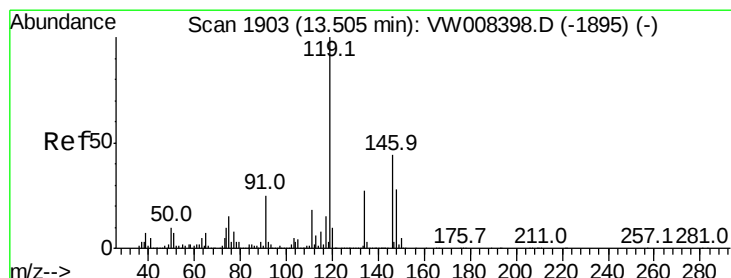
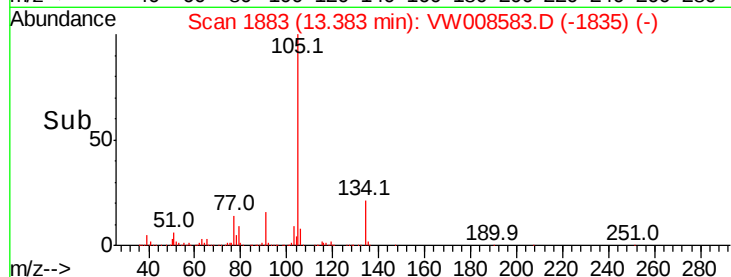
100000

0

Time-->

13.30

13.40



#86

p-Isopropyltoluene

Concen: 18.704 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

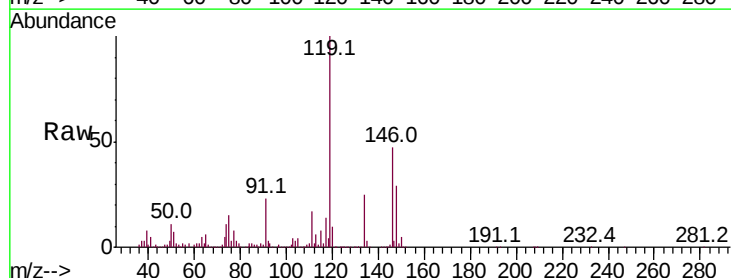
Tgt Ion:119 Resp: 416606

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 24.1 12.6 37.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.50

300000

200000

100000

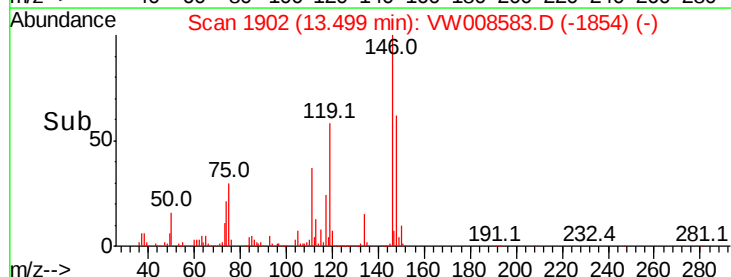
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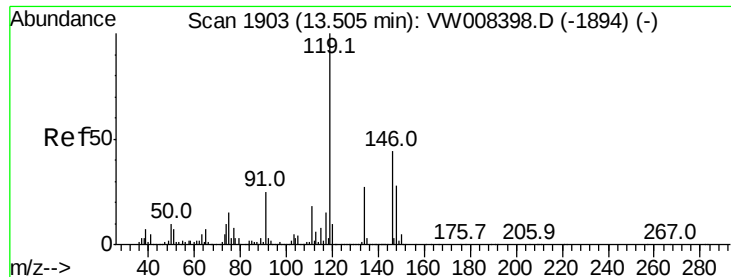
Time-->

13.45

13.50

13.55

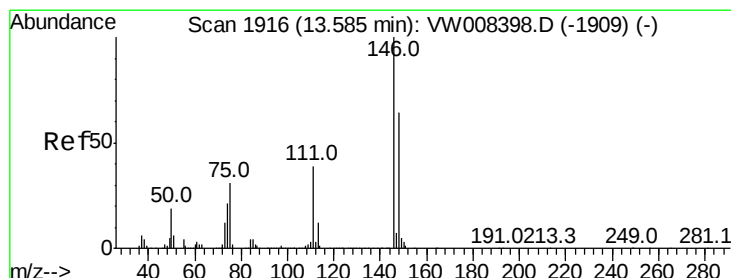
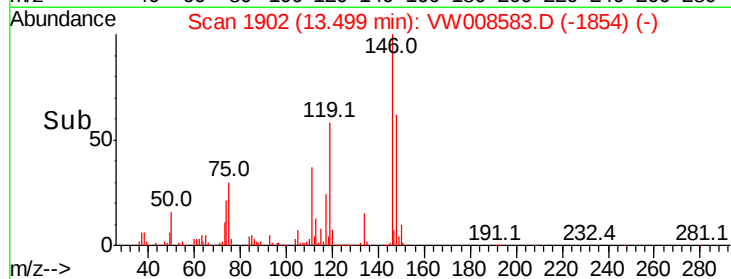
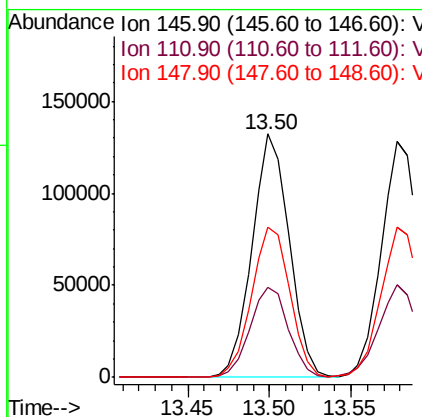
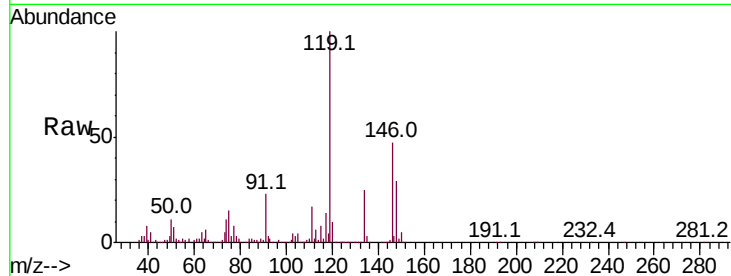




#87
 1,3-Dichlorobenzene
 Concen: 19.917 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008583.D
 Acq: 08 Feb 2019 20:06

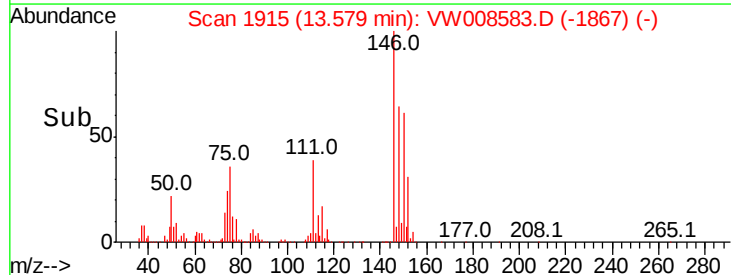
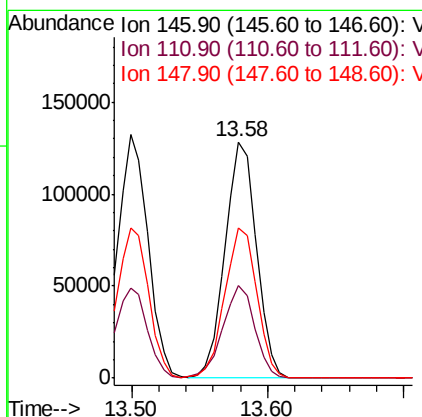
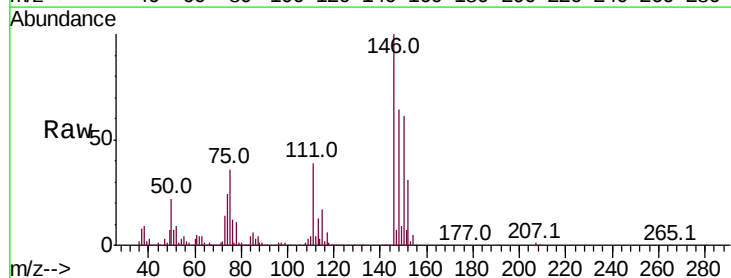
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

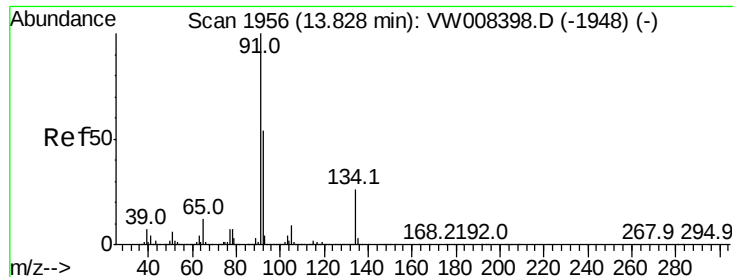
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	60.9
148	63.5	31.9	95.7



#88
 1,4-Dichlorobenzene
 Concen: 19.649 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.01 min
 Lab File: VW008583.D
 Acq: 08 Feb 2019 20:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.0	60.0
148	65.1	32.0	96.2





#89

n-Butylbenzene

Concen: 17.839 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

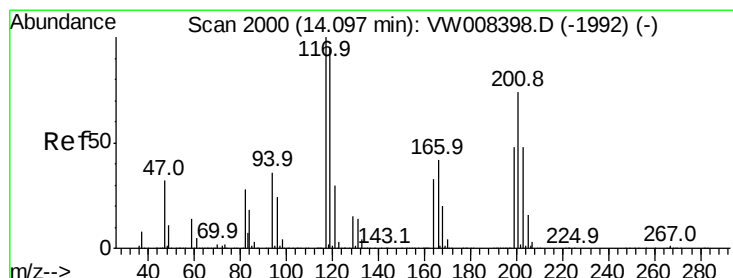
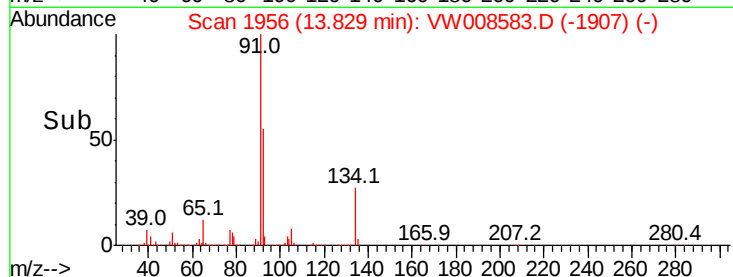
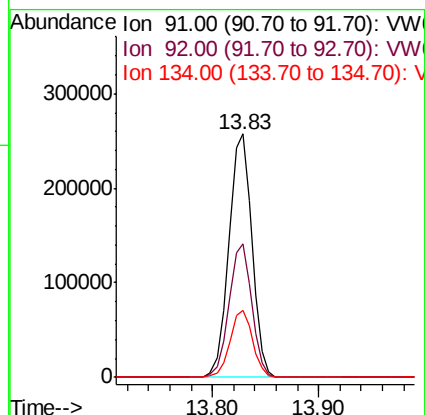
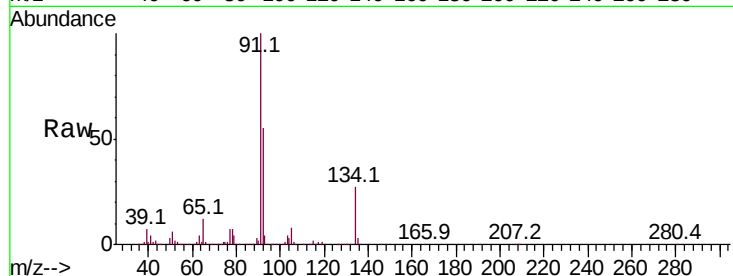
Tot Ion: 91 Resp: 390145

Ion Ratio Lower Upper

91 100

92 54.1 27.4 82.2

134 26.9 13.0 39.0



#90

Hexachloroethane

Concen: 17.794 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008583.D

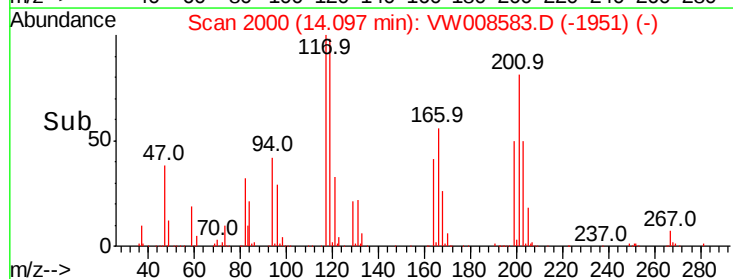
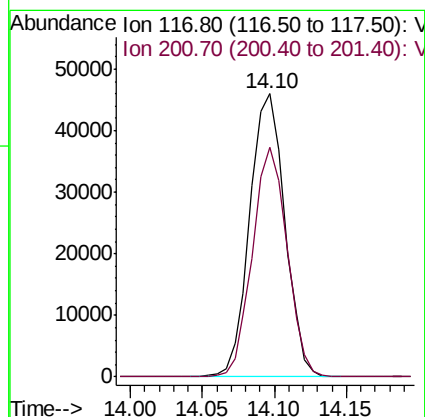
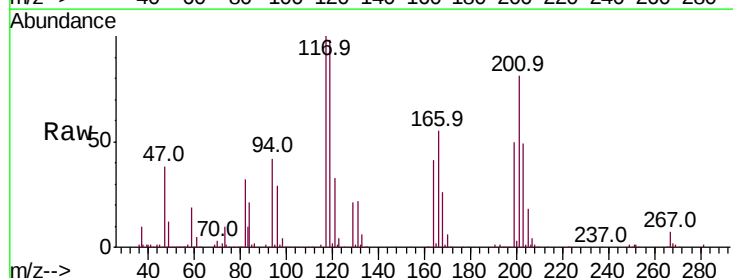
Acq: 08 Feb 2019 20:06

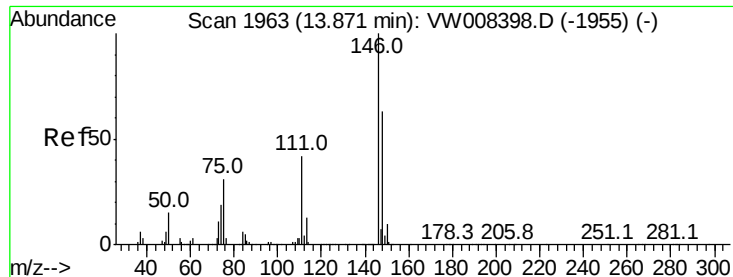
Tgt Ion: 117 Resp: 77508

Ion Ratio Lower Upper

117 100

201 80.1 39.1 117.5





#91

1,2-Dichlorobenzene

Concen: 20.326 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

Instrument :

MSVOA_W

ClientSampleId :

VW0208SBSD01

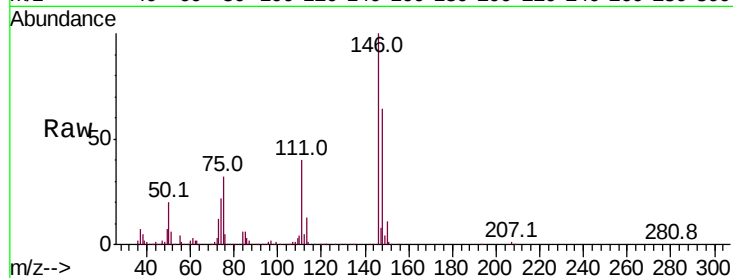
Tot Ion:146 Resp: 189892

Ion Ratio Lower Upper

146 100

111 40.1 21.1 63.3

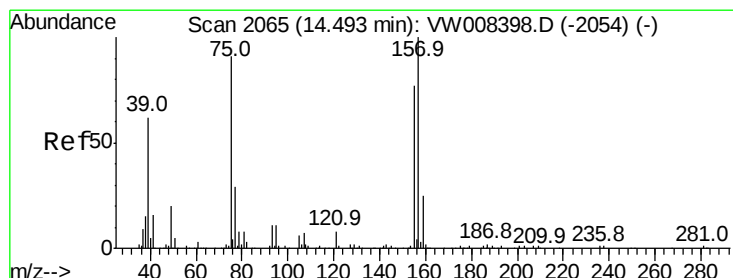
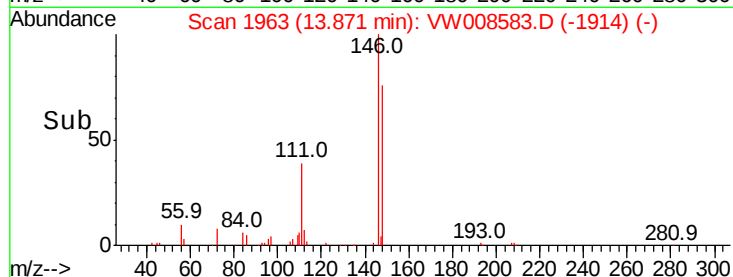
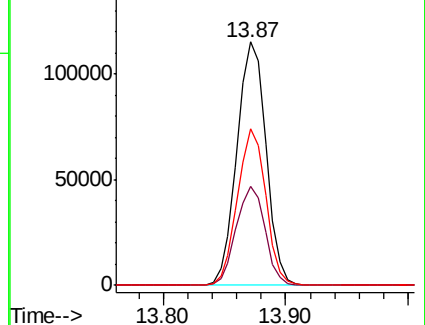
148 62.6 31.9 95.5



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: 20.124 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.01 min

Lab File: VW008583.D

Acq: 08 Feb 2019 20:06

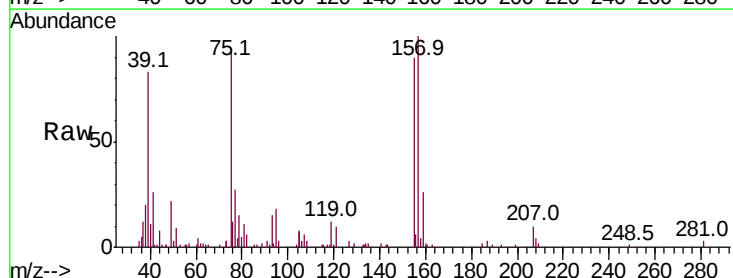
Tgt Ion: 75 Resp: 14471

Ion Ratio Lower Upper

75 100

155 89.5 42.7 128.1

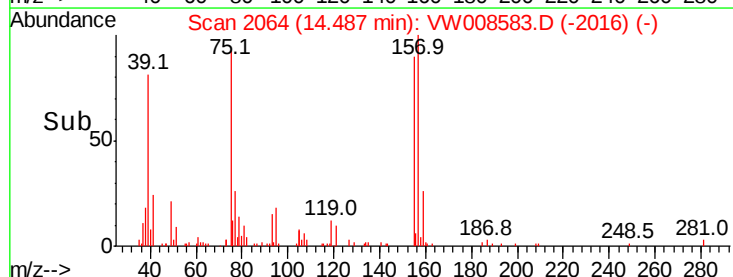
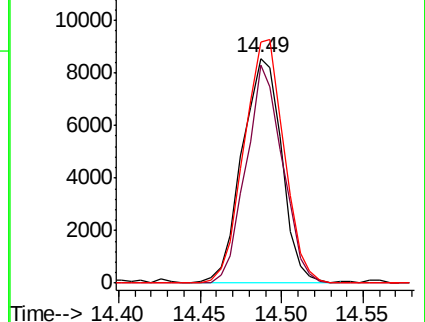
157 109.6 55.5 166.3

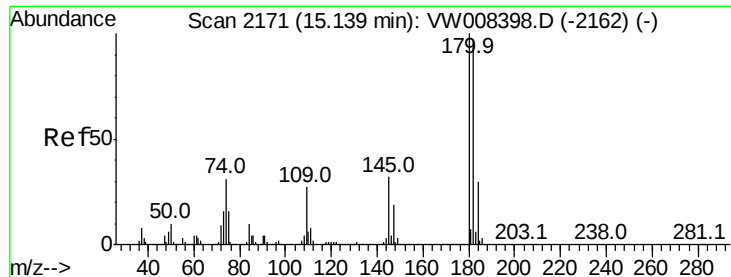


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

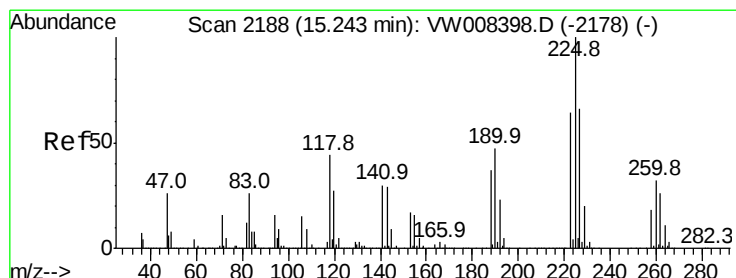
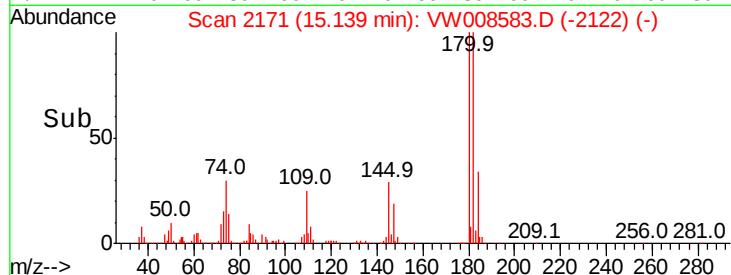
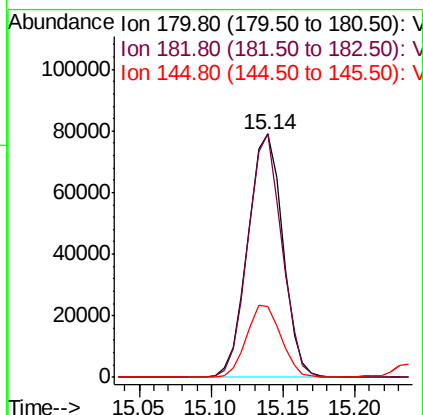
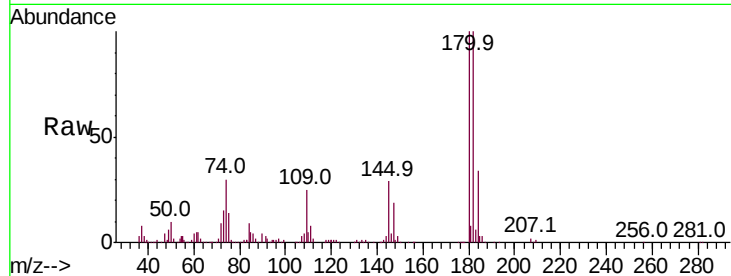




#93
 1,2,4-Trichlorobenzene
 Concen: 19.829 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008583.D
 Acq: 08 Feb 2019 20:06

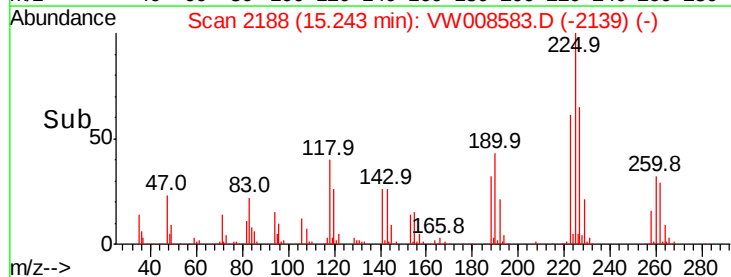
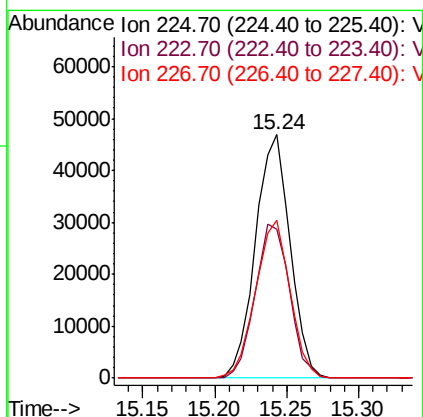
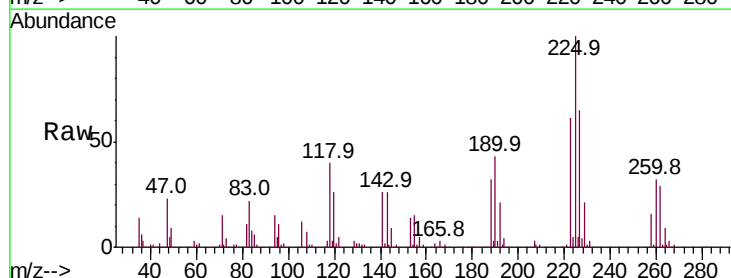
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0208SBSD01

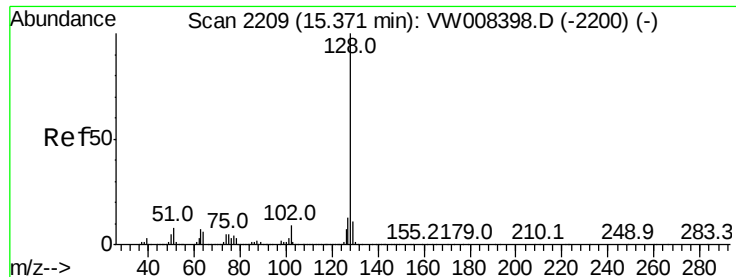
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.9	143.7
145	29.5	15.5	46.5



#94
 Hexachlorobutadiene
 Concen: 19.353 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008583.D
 Acq: 08 Feb 2019 20:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.7	95.1
227	64.3	32.1	96.3

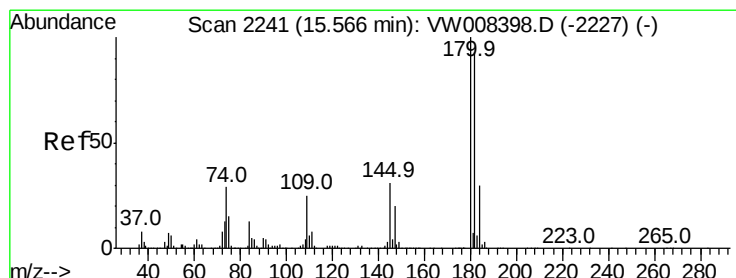
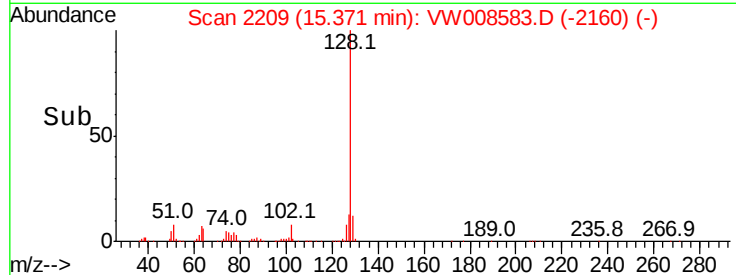
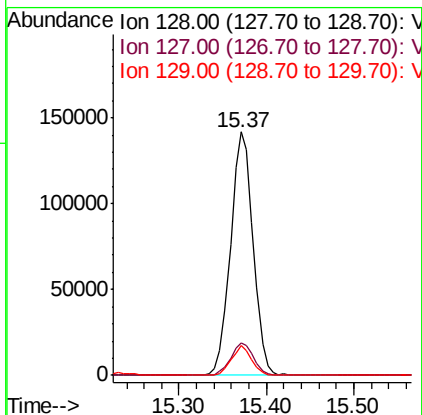
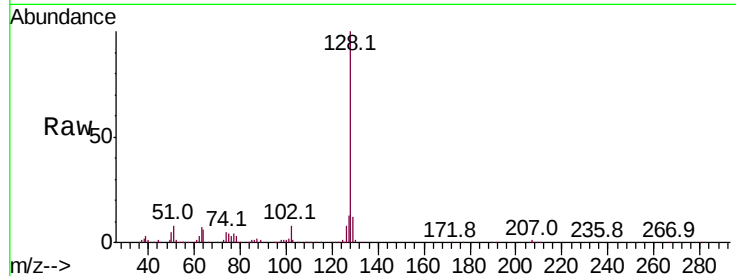




#95
Naphthalene
Concen: 21.792 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Instrument :
MSVOA_W
ClientSampleId :
VW0208SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.9	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 20.778 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.01 min
Lab File: VW008583.D
Acq: 08 Feb 2019 20:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.0	141.2
145	32.1	15.9	47.6

