

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
 Data File : VW008389.D
 Acq On : 22 Jan 2019 15:30
 Operator : SY/VA
 Sample : VW0122SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Quant Time: Jan 23 00:41:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W011719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 18 00:57:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	103796	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	181218	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	169521	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	90370	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	66350	61.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.90%	
35) Dibromofluoromethane	7.88	113	62766	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
50) Toluene-d8	10.32	98	270637	59.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.10%	
62) 4-Bromofluorobenzene	12.62	95	94810	58.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.34%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	14728	22.519	ug/l	97
3) Chloromethane	2.21	50	23051	24.044	ug/l	99
4) Vinyl Chloride	2.36	62	29909	24.416	ug/l	93
5) Bromomethane	2.78	94	26616	28.671	ug/l	92
6) Chloroethane	2.92	64	19633	24.486	ug/l	95
7) Trichlorofluoromethane	3.26	101	24728	27.493	ug/l	92
8) Diethyl Ether	3.68	74	14814	23.752	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	24045	22.962	ug/l	90
10) Methyl Iodide	4.26	142	31849	18.858	ug/l	96
11) Tert butyl alcohol	5.18	59	3910	53.784	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	22381	21.014	ug/l	93
13) Acrolein	3.89	56	5678	80.847	ug/l	97
14) Allyl chloride	4.66	41	39301	22.073	ug/l	98
15) Acrylonitrile	5.37	53	28621	119.460	ug/l	99
16) Acetone	4.12	43	27432	109.400	ug/l	98
17) Carbon Disulfide	4.37	76	63315	19.537	ug/l	99
18) Methyl Acetate	4.67	43	17335	25.880	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	37918	23.258	ug/l	96
20) Methylene Chloride	4.91	84	27447	21.573	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	25558	21.366	ug/l	94
22) Diisopropyl ether	6.31	45	83032	23.887	ug/l	99
23) Vinyl Acetate	6.25	43	221075	118.978	ug/l	96
24) 1,1-Dichloroethane	6.21	63	48937	23.121	ug/l	99
25) 2-Butanone	7.17	43	38752	120.662	ug/l	94
26) 2,2-Dichloropropane	7.17	77	31300	23.174	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	28288	21.827	ug/l	94
28) Bromochloromethane	7.51	49	20480	23.487	ug/l #	100
29) Tetrahydrofuran	7.53	42	23681	118.277	ug/l	100
30) Chloroform	7.67	83	49880	23.819	ug/l	99
31) Cyclohexane	7.95	56	44196	21.916	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	40600	23.101	ug/l	97
36) 1,1-Dichloropropene	8.08	75	38988	21.384	ug/l	100
37) Ethyl Acetate	7.25	43	16327	21.716	ug/l #	94
38) Carbon Tetrachloride	8.06	117	37501	20.830	ug/l	96

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	46396	21.393	ug/l	98
40) Benzene	8.32	78	110386	21.374	ug/l	98
41) Methacrylonitrile	7.49	41	9768	22.318	ug/l	98
42) 1,2-Dichloroethane	8.40	62	30635	21.213	ug/l	98
43) Isopropyl Acetate	8.43	43	31444	22.141	ug/l	96
44) Trichloroethene	9.09	130	28531	20.164	ug/l	91
45) 1,2-Dichloropropane	9.37	63	29050	22.645	ug/l	96
46) Dibromomethane	9.46	93	14458	21.624	ug/l	92
47) Bromodichloromethane	9.65	83	37133	22.515	ug/l	95
48) Methyl methacrylate	9.43	41	14237	21.295	ug/l	92
49) 1,4-Dioxane	9.46	88	4532	421.054	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	81711	113.626	ug/l	98
52) Toluene	10.39	92	73567	22.509	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	36558	22.209	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	42905	22.111	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	21638	23.332	ug/l	99
56) Ethyl methacrylate	10.65	69	23817	21.868	ug/l	96
57) 1,3-Dichloropropane	10.93	76	36806	22.858	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	64624	123.013	ug/l	98
59) 2-Hexanone	10.97	43	57627	114.371	ug/l	96
60) Dibromochloromethane	11.13	129	23638	21.357	ug/l	100
61) 1,2-Dibromoethane	11.24	107	19610	21.837	ug/l	95
64) Tetrachloroethene	10.86	164	23376	19.666	ug/l	98
65) Chlorobenzene	11.66	112	79368	21.464	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	27680	21.750	ug/l	96
67) Ethyl Benzene	11.73	91	137834	21.468	ug/l	96
68) m/p-Xylenes	11.84	106	110175	44.211	ug/l	100
69) o-Xylene	12.17	106	49803	21.391	ug/l	98
70) Styrene	12.18	104	82906	22.169	ug/l	99
71) Bromoform	12.35	173	13585	21.428	ug/l #	99
73) Isopropylbenzene	12.47	105	137378	20.864	ug/l	100
74) N-amyl acetate	12.27	43	29219	20.706	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	24616	21.979	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	32104	39.010	ug/l #	1
77) Bromobenzene	12.75	156	28906	18.276	ug/l	82
78) n-propylbenzene	12.80	91	166260	20.861	ug/l	99
79) 2-Chlorotoluene	12.90	91	97310	21.370	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	118387	21.546	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	7165	20.777	ug/l	92
82) 4-Chlorotoluene	12.99	91	102233	21.485	ug/l	98
83) tert-Butylbenzene	13.21	119	103929	21.490	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	121432	21.694	ug/l	98
85) sec-Butylbenzene	13.39	105	151322	21.793	ug/l	98
86) p-Isopropyltoluene	13.50	119	132291	21.814	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	65934	20.981	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	65806	20.902	ug/l	98
89) n-Butylbenzene	13.83	91	127921	21.990	ug/l	98
90) Hexachloroethane	14.10	117	24429	21.766	ug/l	88
91) 1,2-Dichlorobenzene	13.87	146	58612	21.125	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	4290	23.425	ug/l	91

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Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
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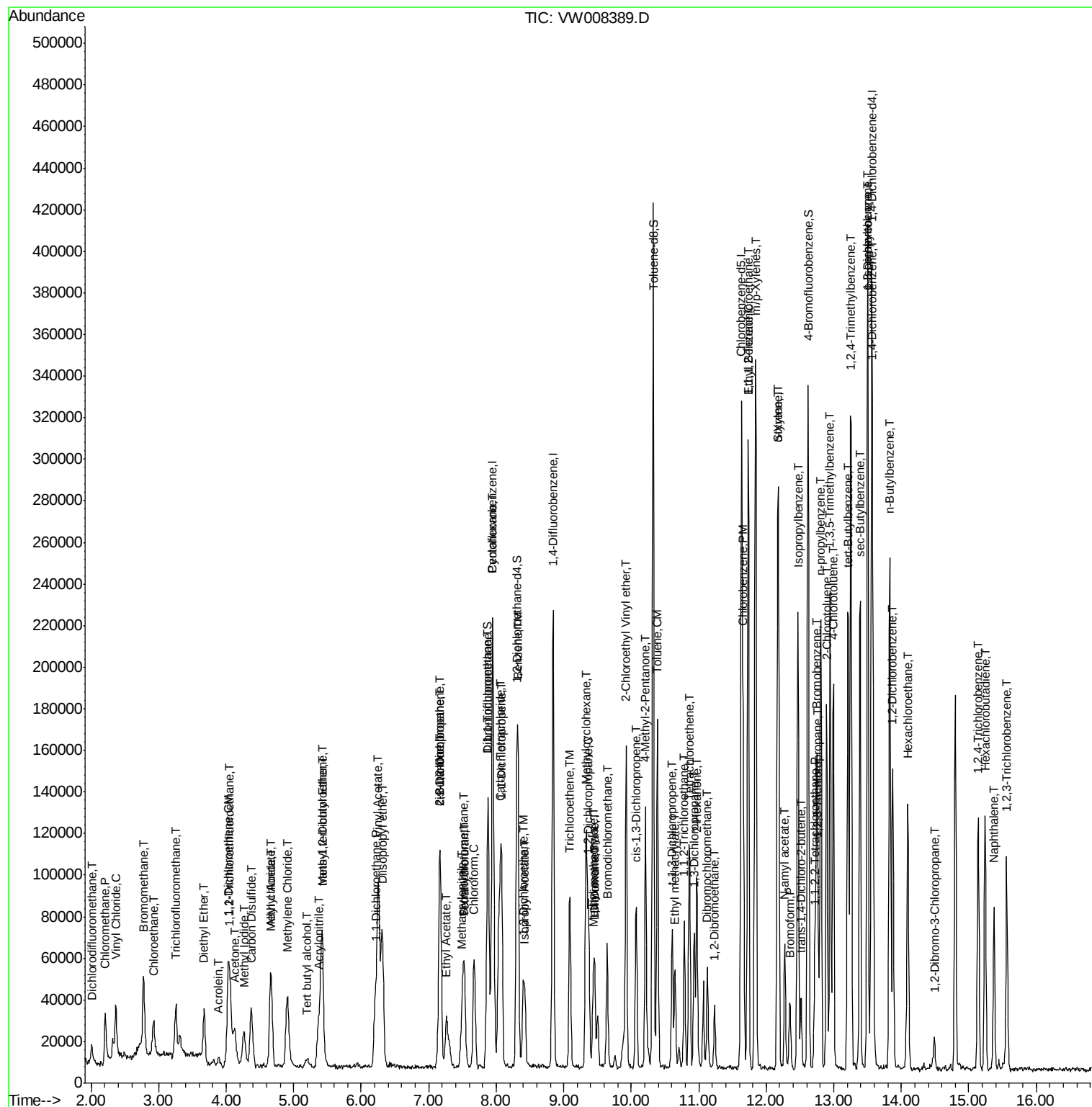
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	37627	20.034	ug/l	96
94) Hexachlorobutadiene	15.24	225	20833	19.682	ug/l	97
95) Naphthalene	15.37	128	63970	19.912	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	32930	20.129	ug/l	99

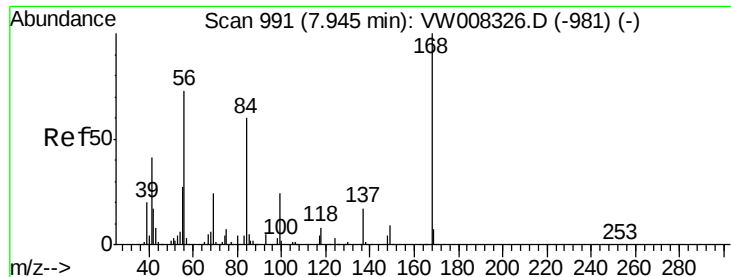
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

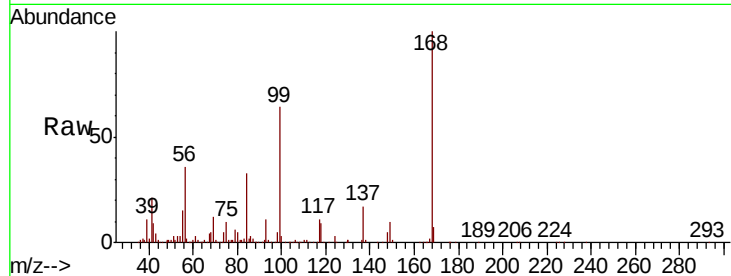
VW0122SBSD01

Tgt Ion:168 Resp: 103796

Ion Ratio Lower Upper

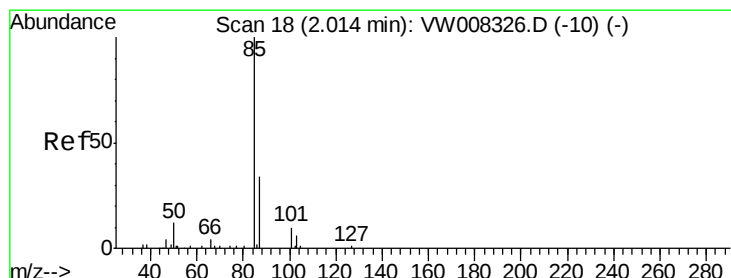
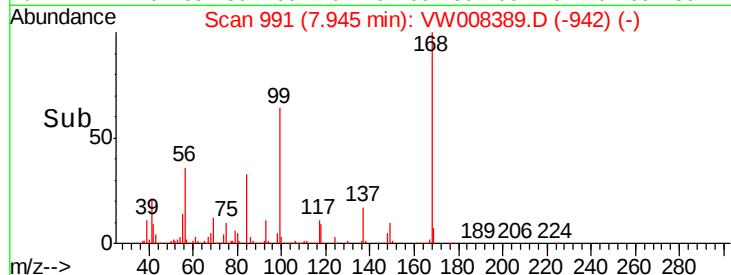
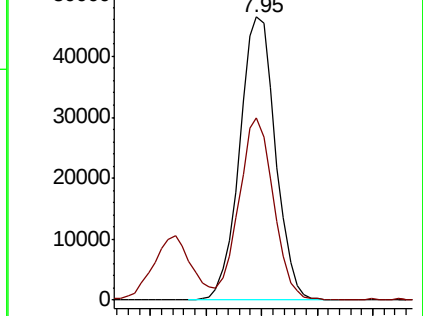
168 100

99 64.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 22.519 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008389.D

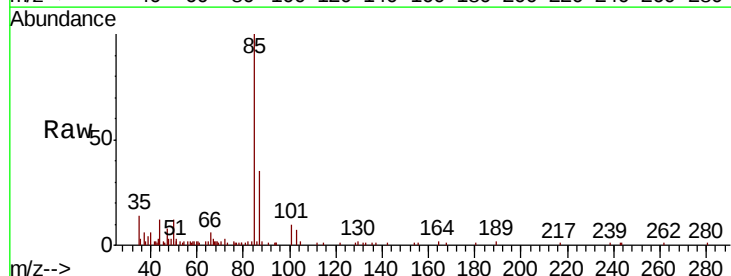
Acq: 22 Jan 2019 15:30

Tgt Ion: 85 Resp: 14728

Ion Ratio Lower Upper

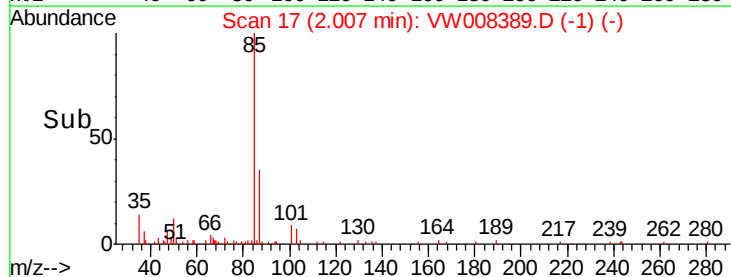
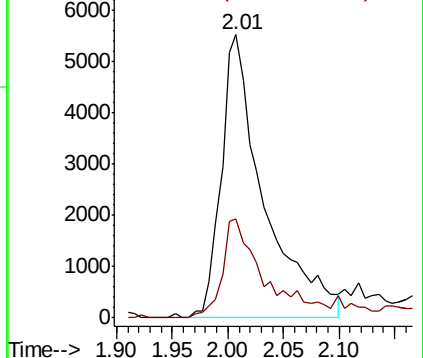
85 100

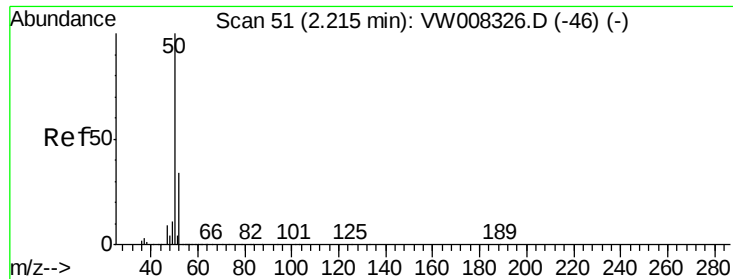
87 35.2 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 24.044 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

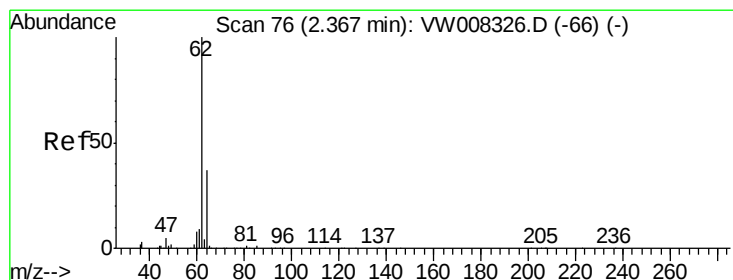
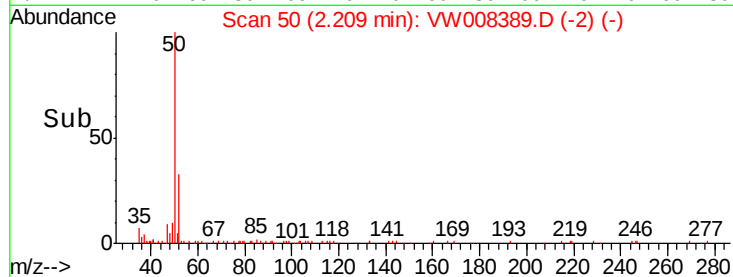
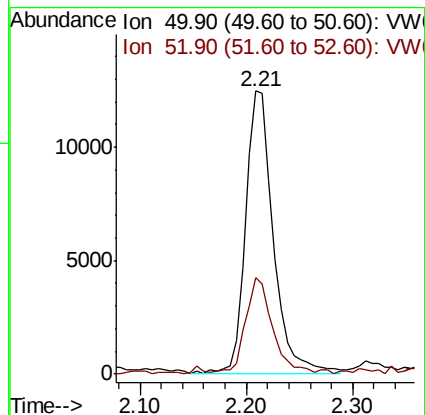
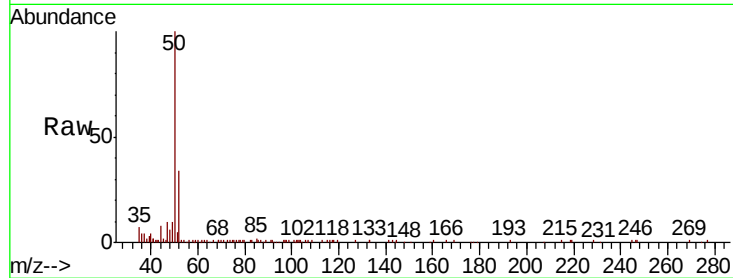
VW0122SBSD01

Tgt Ion: 50 Resp: 23051

Ion Ratio Lower Upper

50 100

52 32.7 26.7 40.1



#4

Vinyl Chloride

Concen: 24.416 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW008389.D

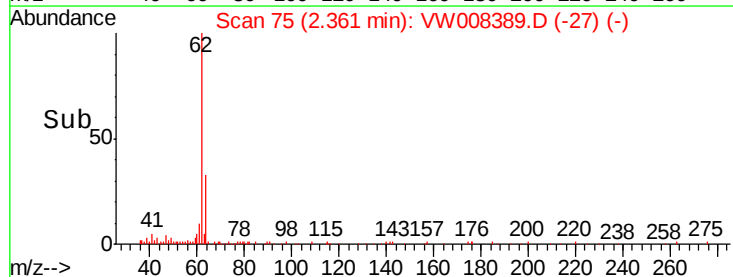
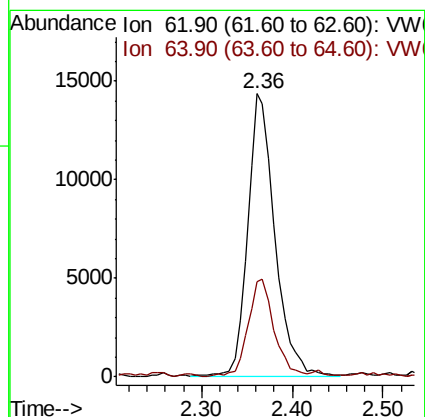
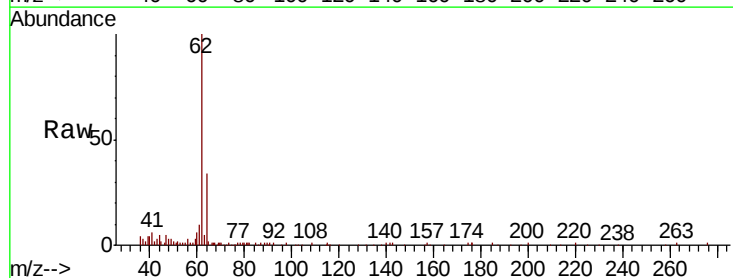
Acq: 22 Jan 2019 15:30

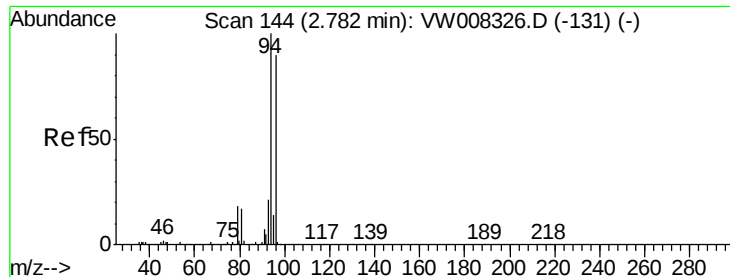
Tgt Ion: 62 Resp: 29909

Ion Ratio Lower Upper

62 100

64 32.8 29.4 44.2





#5

Bromomethane

Concen: 28.671 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

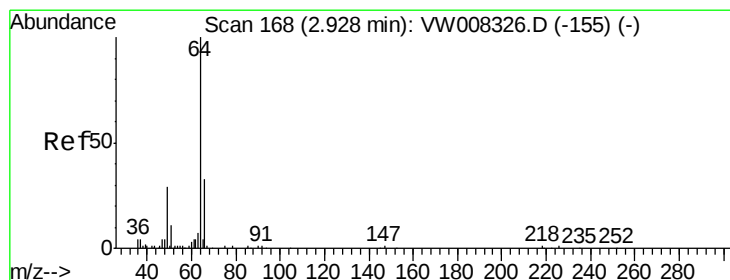
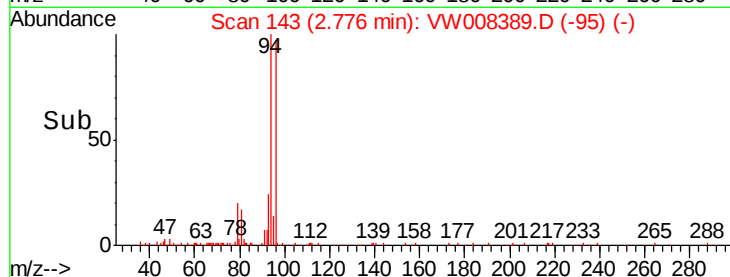
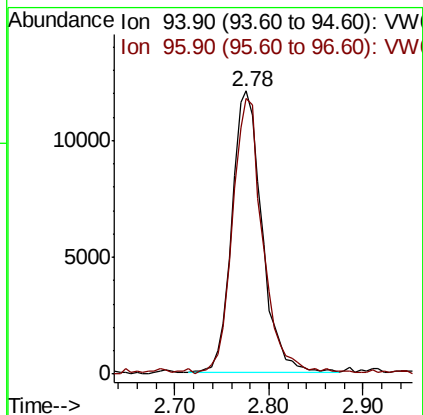
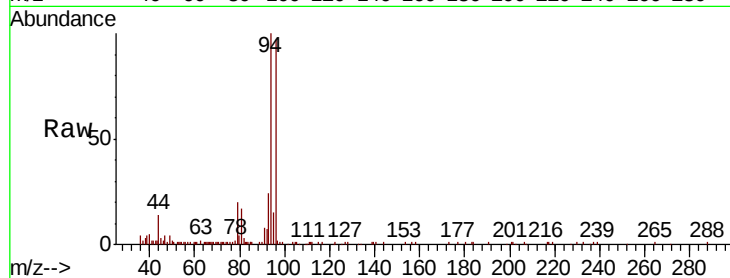
VW0122SBSD01

Tgt Ion: 94 Resp: 26616

Ion Ratio Lower Upper

94 100

96 96.7 71.4 107.0



#6

Chloroethane

Concen: 24.486 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW008389.D

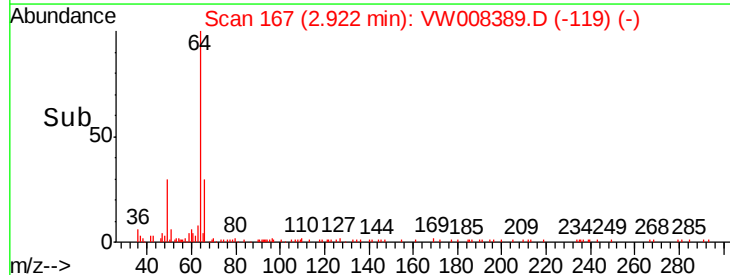
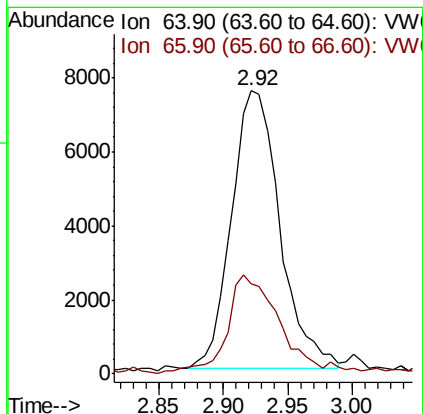
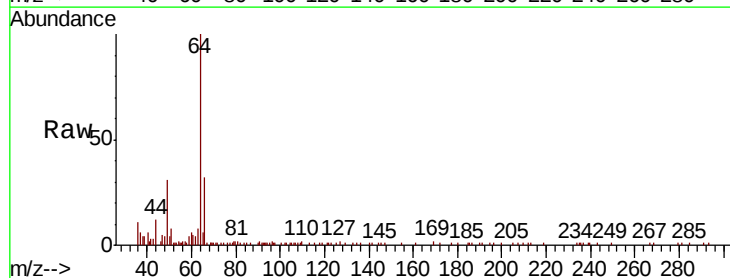
Acq: 22 Jan 2019 15:30

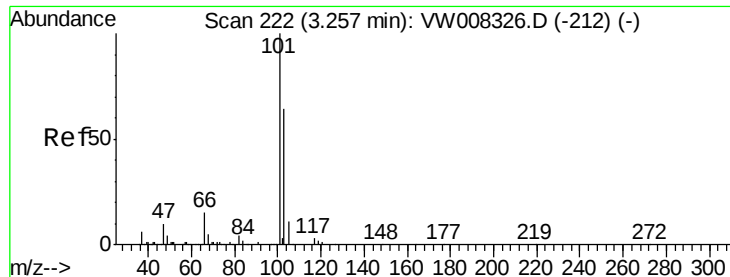
Tgt Ion: 64 Resp: 19633

Ion Ratio Lower Upper

64 100

66 30.1 26.2 39.4



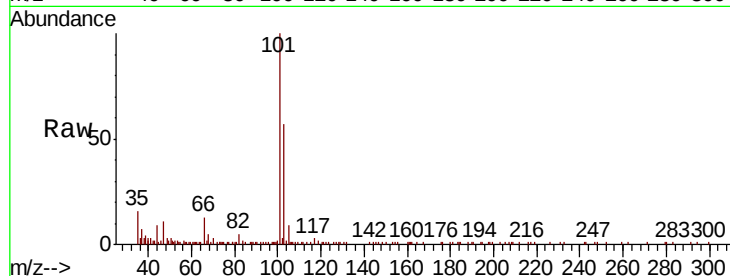


#7

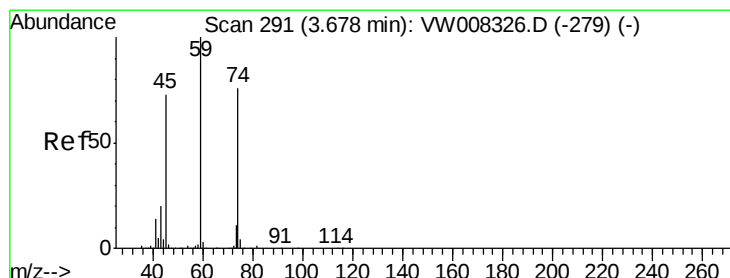
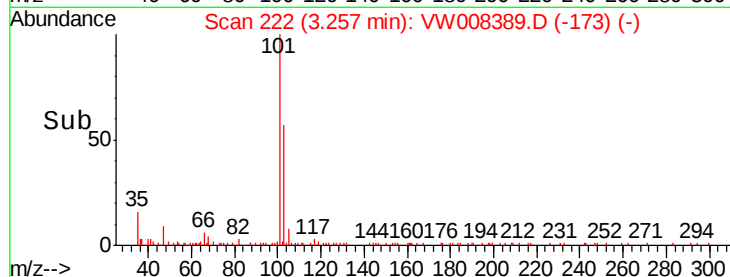
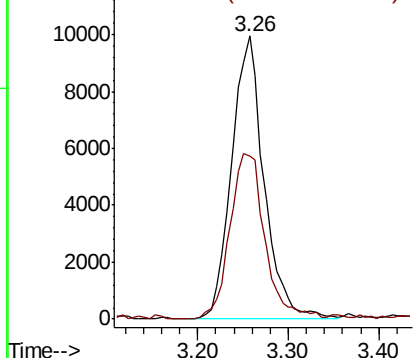
Trichlorofluoromethane
 Concen: 27.493 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Instrument :
 MSVOA_W
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 VW0122SBSD01

Tgt Ion:101 Resp: 24728
 Ion Ratio Lower Upper
 101 100
 103 57.4 50.9 76.3



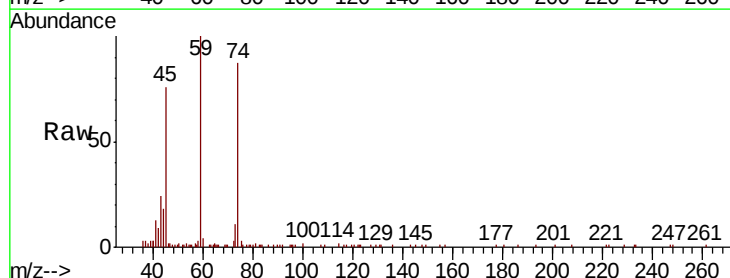
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



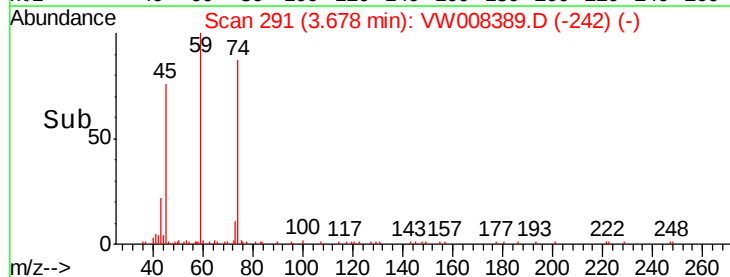
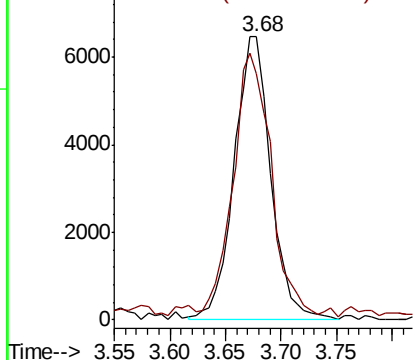
#8

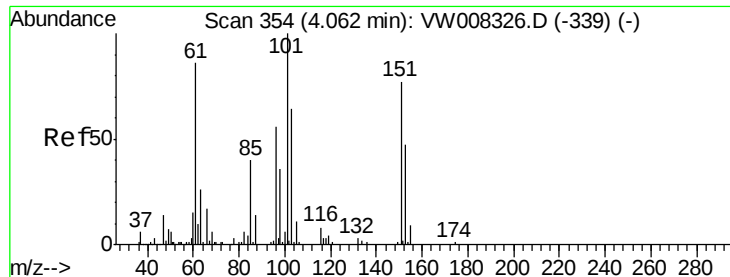
Diethyl Ether
 Concen: 23.752 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008389.D
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Tgt Ion: 74 Resp: 14814
 Ion Ratio Lower Upper
 74 100
 45 95.7 50.1 150.3



Abundance Ion 74.00 (73.70 to 74.70): VW
 Ion 45.00 (44.70 to 45.70): VW





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.962 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008389.D

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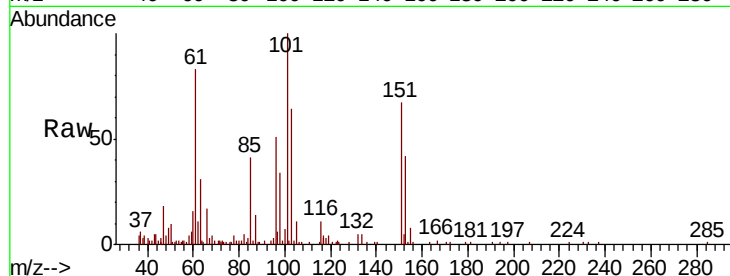
Tgt Ion:101 Resp: 24045

Ion Ratio Lower Upper

101 100

85 40.5 36.0 54.0

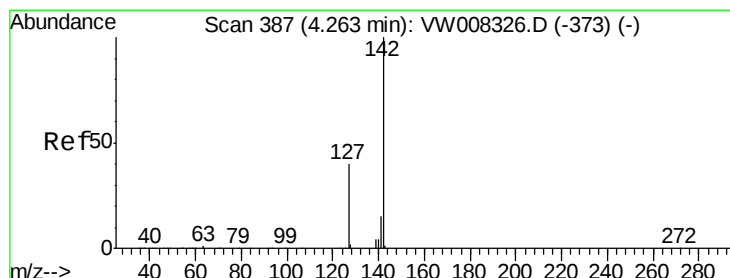
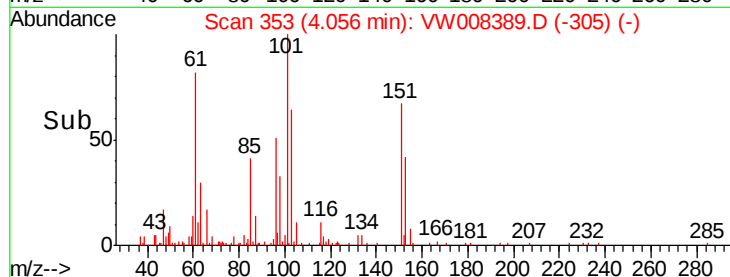
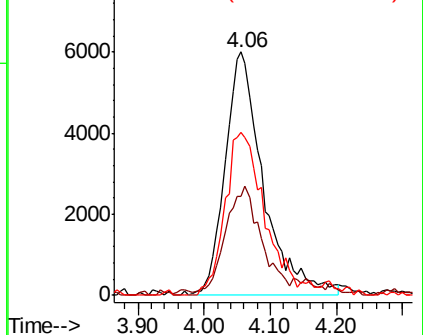
151 68.3 62.3 93.5



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: 18.858 ug/l

RT: 4.26 min Scan# 387

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

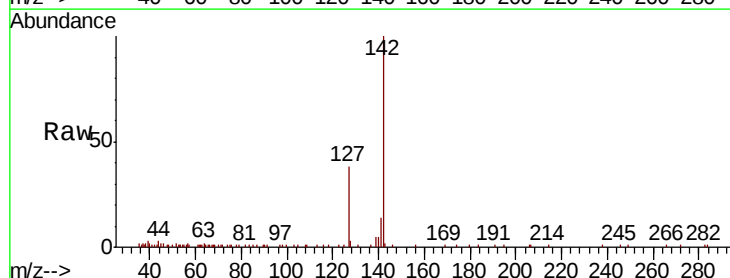
Tgt Ion:142 Resp: 31849

Ion Ratio Lower Upper

142 100

127 46.0 34.3 51.5

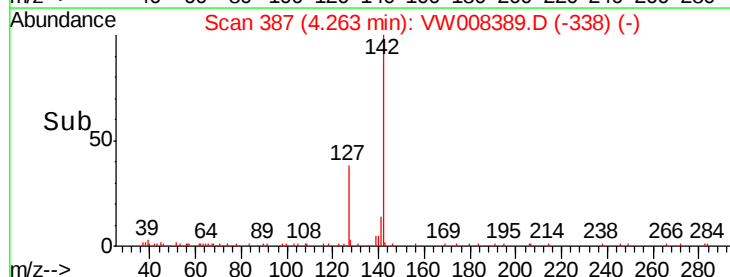
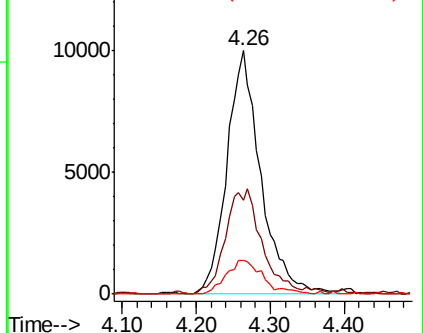
141 15.2 12.2 18.2

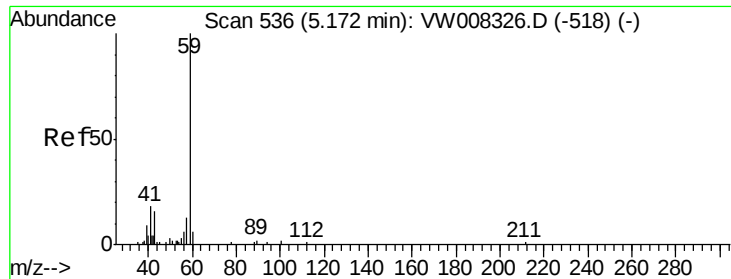


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

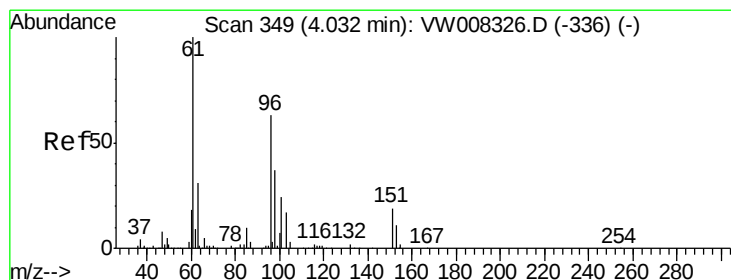
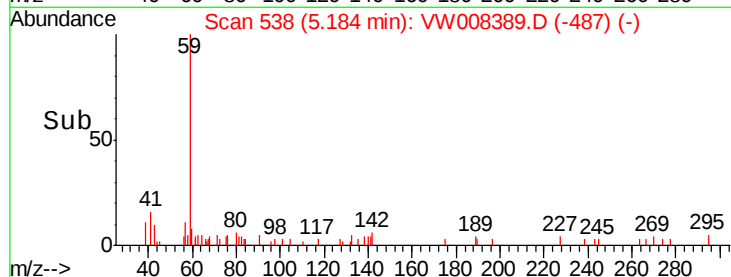
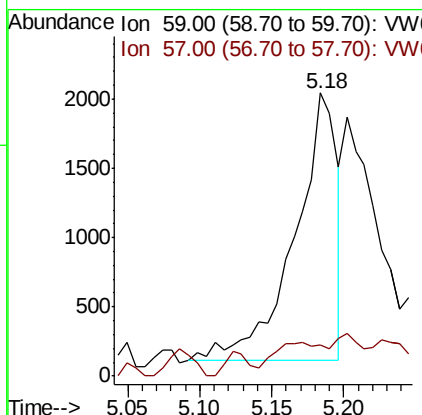
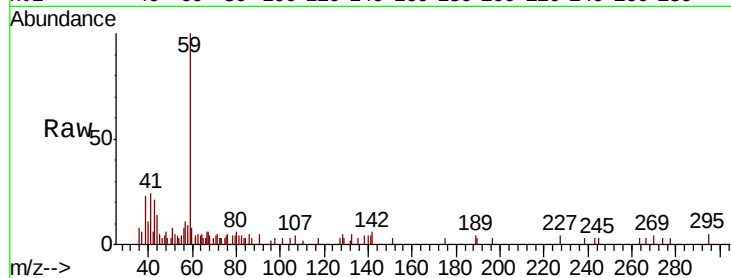




#11
Tert butyl alcohol
Concen: 53.784 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

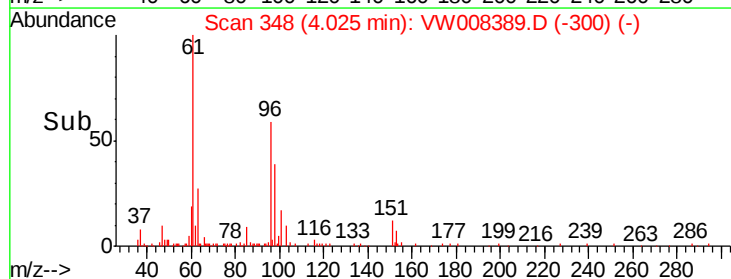
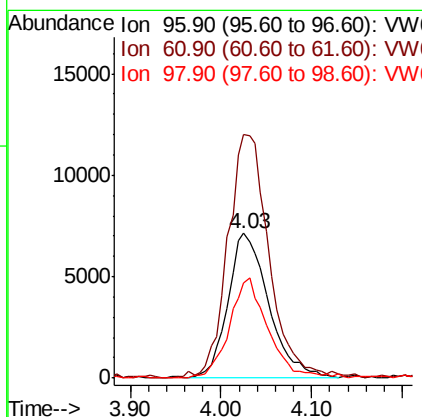
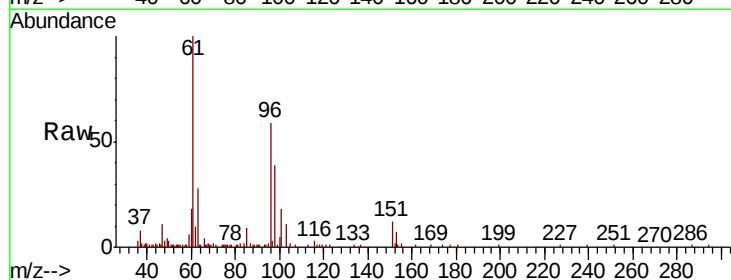
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

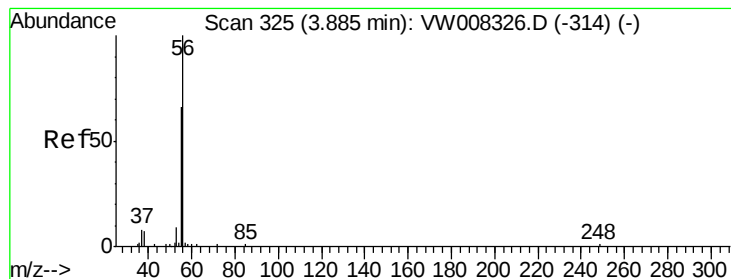
Tgt Ion: 59 Resp: 3910
Ion Ratio Lower Upper
59 100
57 8.3 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 21.014 ug/l
RT: 4.03 min Scan# 348
Delta R.T. -0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 96 Resp: 22381
Ion Ratio Lower Upper
96 100
61 165.0 126.4 189.6
98 65.8 46.7 70.1





#13

Acrolein

Concen: 80.847 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.01 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

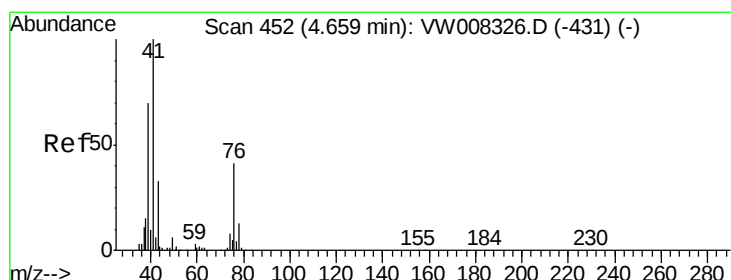
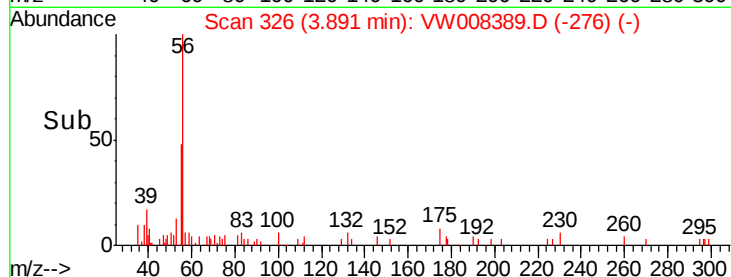
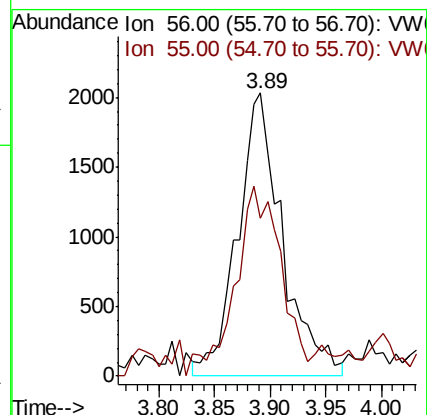
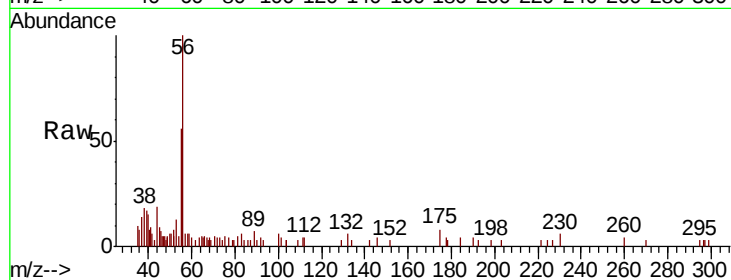
VW0122SBSD01

Tgt Ion: 56 Resp: 5678

Ion Ratio Lower Upper

56 100

55 68.7 52.9 79.3



#14

Allyl chloride

Concen: 22.073 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

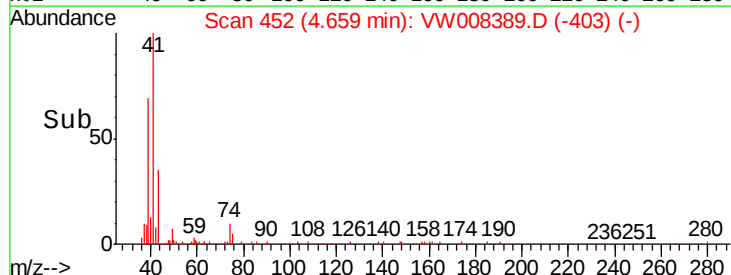
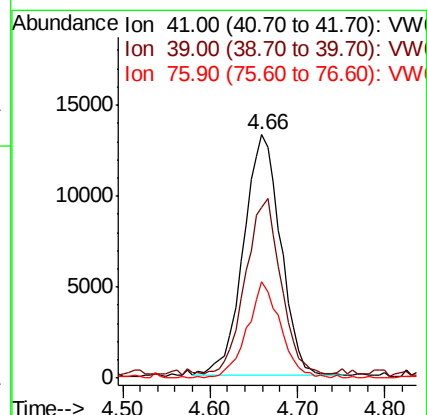
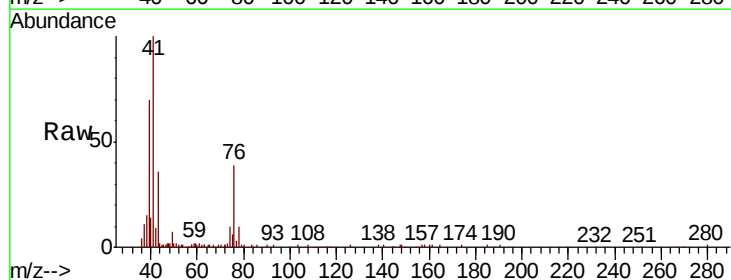
Tgt Ion: 41 Resp: 39301

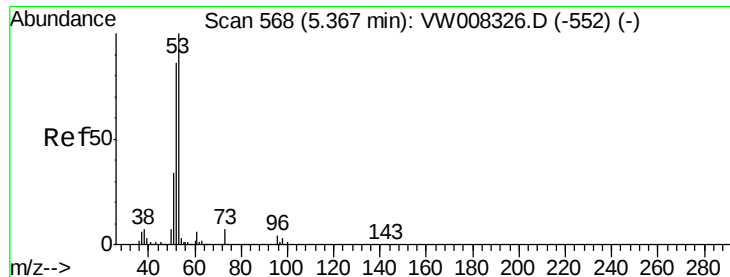
Ion Ratio Lower Upper

41 100

39 68.9 54.1 81.1

76 35.7 29.5 44.3





#15

Acrylonitrile

Concen: 119.460 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

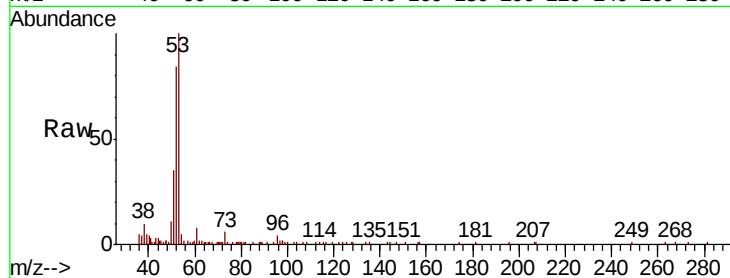
Tgt Ion: 53 Resp: 28621

Ion Ratio Lower Upper

53 100

52 82.8 66.4 99.6

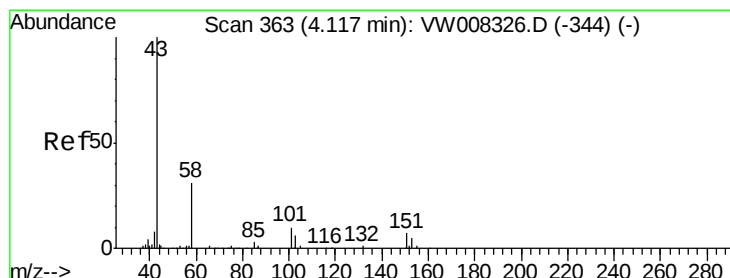
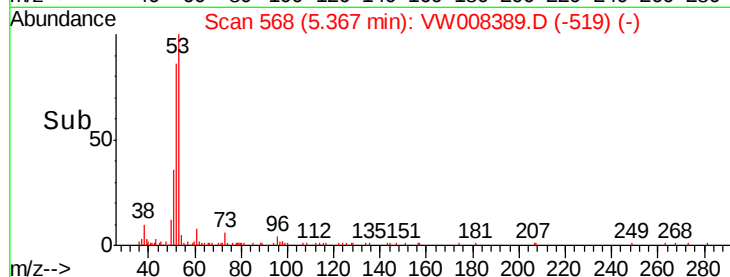
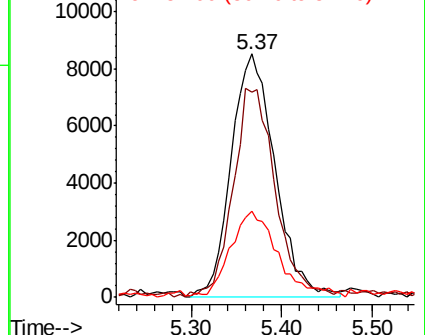
51 38.6 29.6 44.4



Abundance Ion 53.00 (52.70 to 53.70): VW

Ion 52.00 (51.70 to 52.70): VW

Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 109.400 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW008389.D

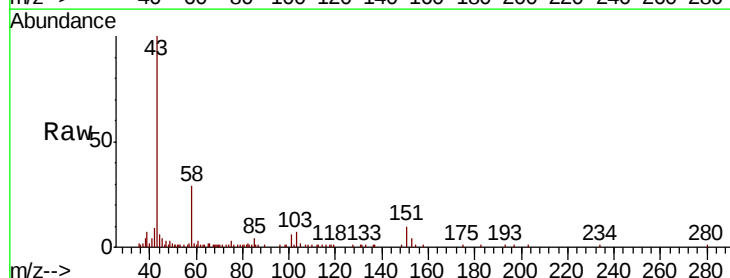
Acq: 22 Jan 2019 15:30

Tgt Ion: 43 Resp: 27432

Ion Ratio Lower Upper

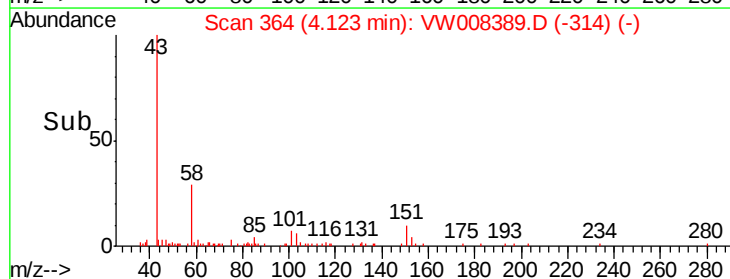
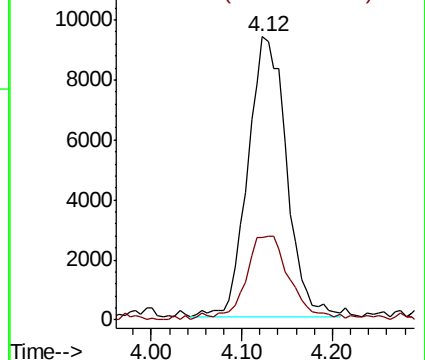
43 100

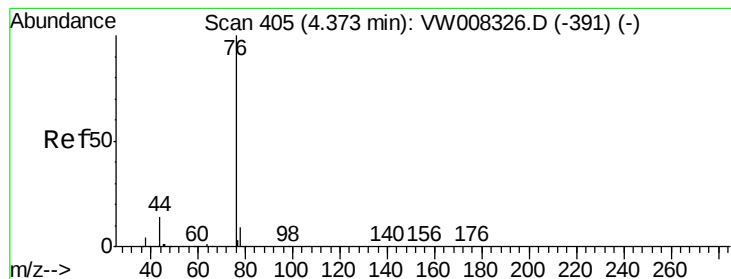
58 29.6 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 19.537 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

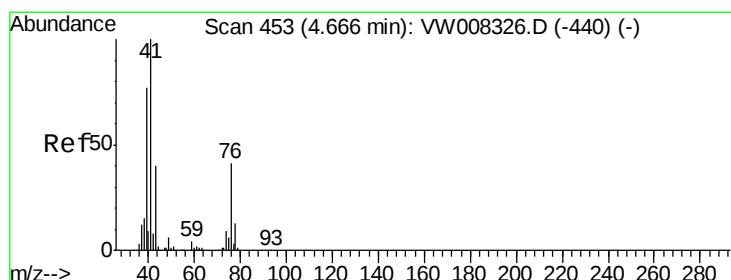
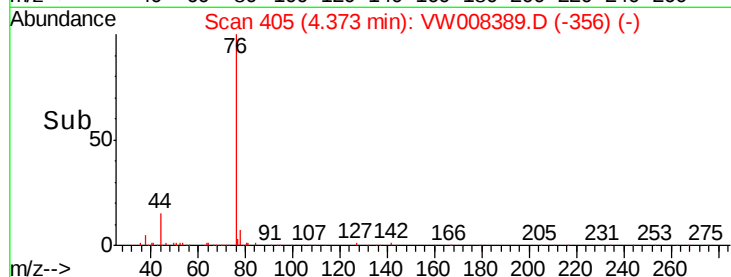
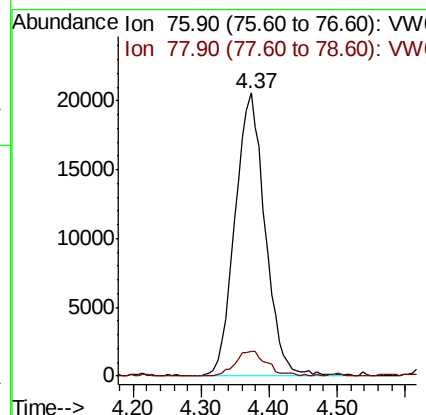
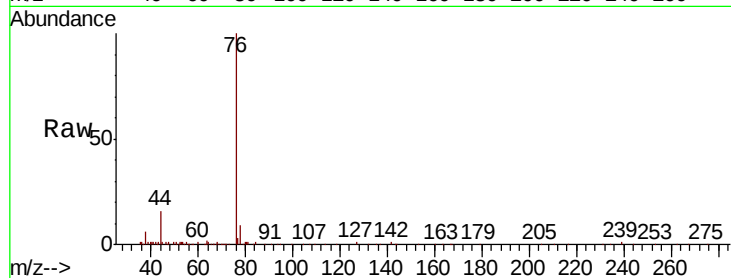
VW0122SBSD01

Tgt Ion: 76 Resp: 63315

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.4



#18

Methyl Acetate

Concen: 25.880 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW008389.D

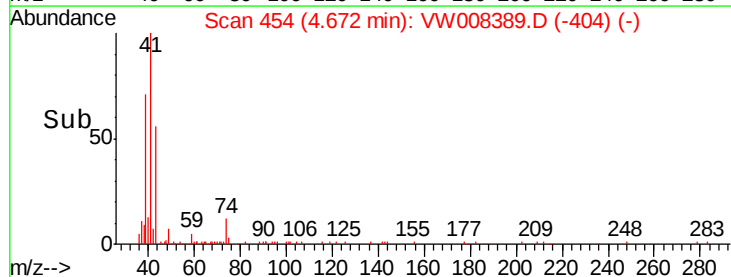
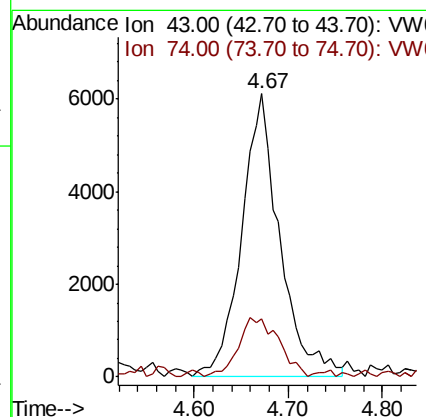
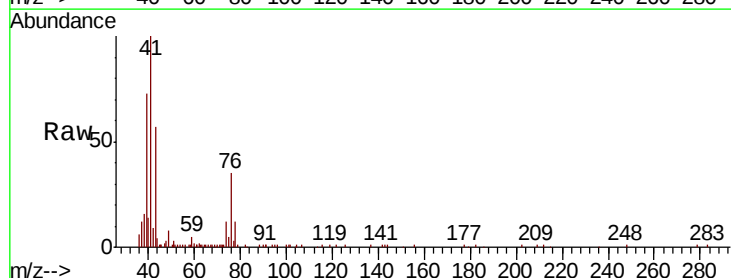
Acq: 22 Jan 2019 15:30

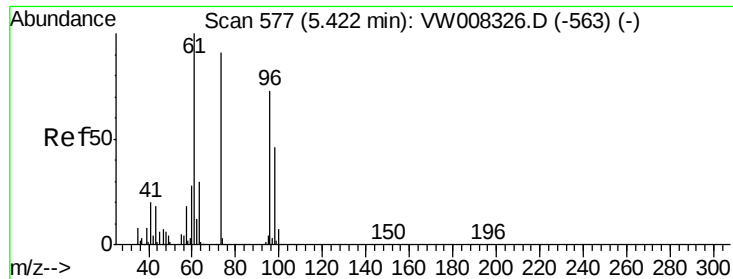
Tgt Ion: 43 Resp: 17335

Ion Ratio Lower Upper

43 100

74 22.2 19.4 29.0

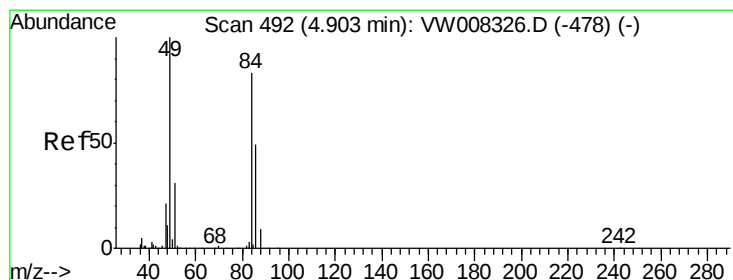
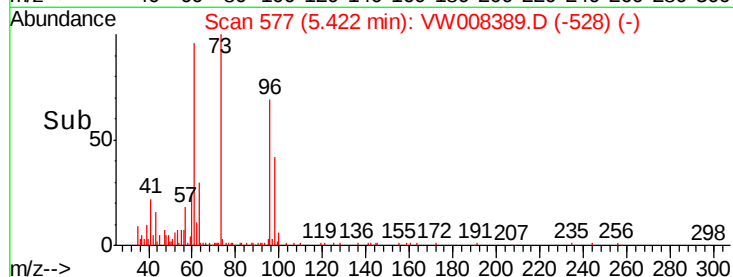
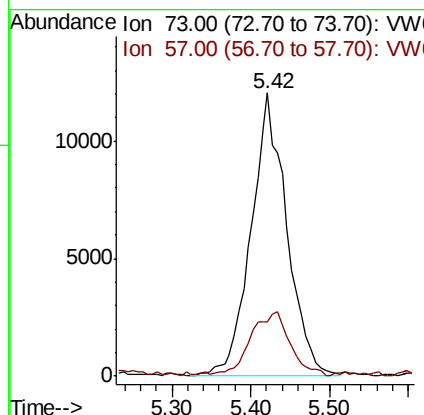
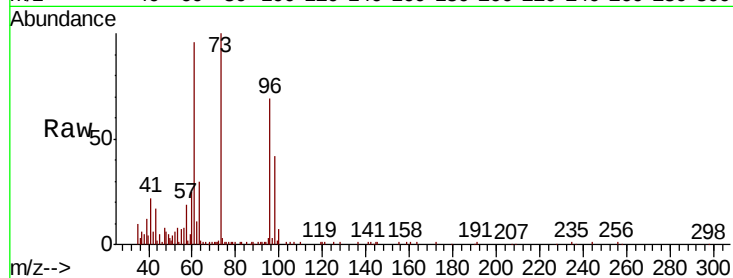




#19
Methyl tert-butyl Ether
Concen: 23.258 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

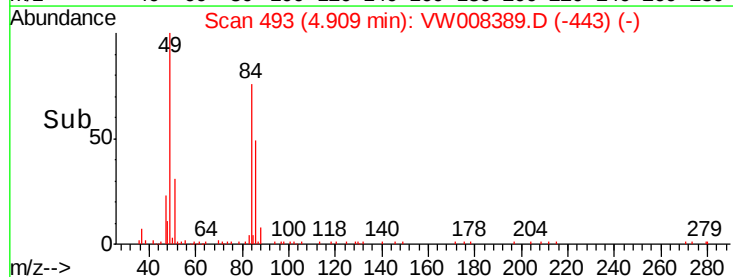
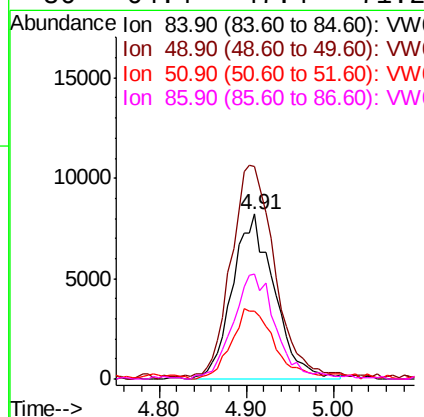
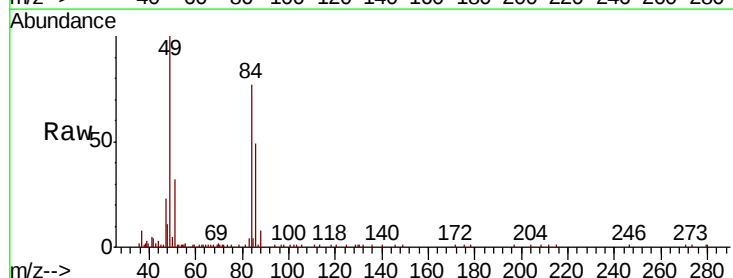
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

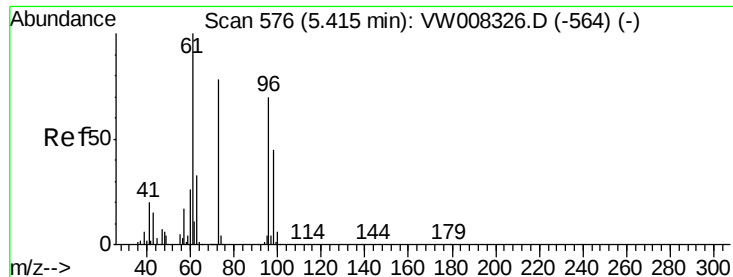
Tgt Ion: 73 Resp: 37918
Ion Ratio Lower Upper
73 100
57 18.5 16.3 24.5



#20
Methylene Chloride
Concen: 21.573 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 84 Resp: 27447
Ion Ratio Lower Upper
84 100
49 127.9 95.9 143.9
51 40.0 29.3 43.9
86 64.4 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 21.366 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

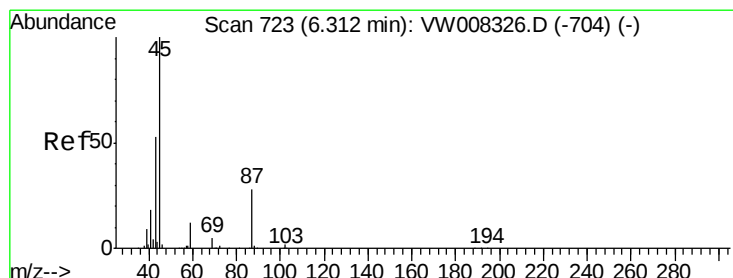
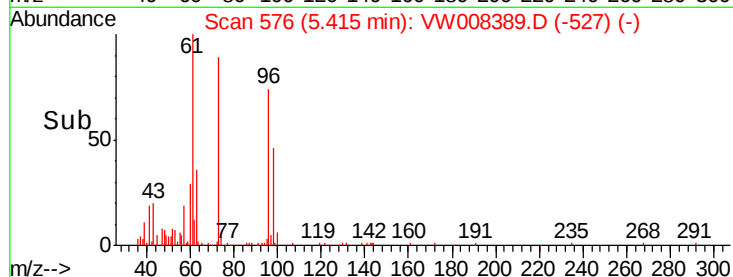
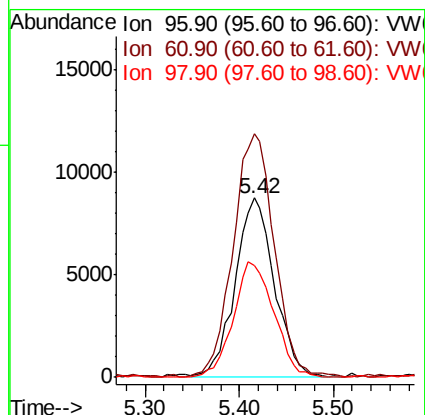
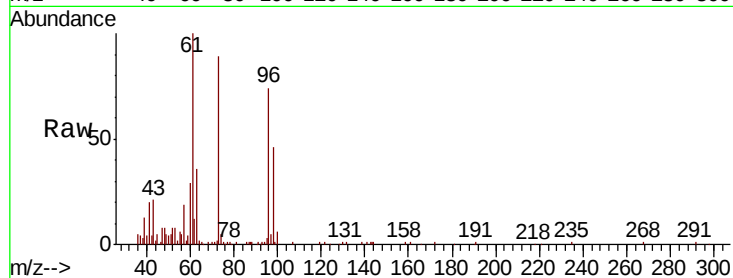
Tgt Ion: 96 Resp: 25558

Ion Ratio Lower Upper

96 100

61 134.5 114.5 171.7

98 62.2 52.0 78.0



#22

Diisopropyl ether

Concen: 23.887 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Tgt Ion: 45 Resp: 83032

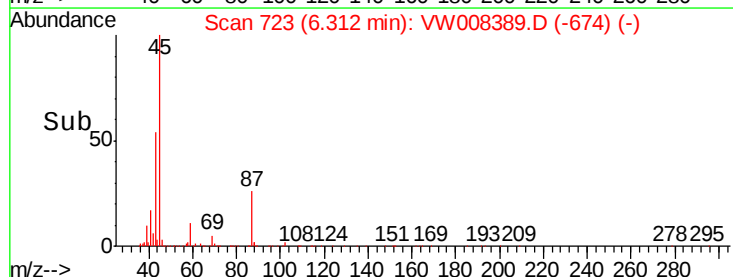
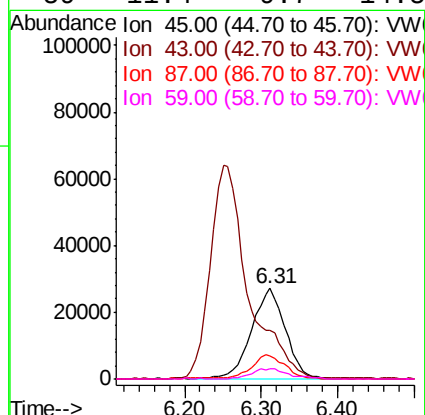
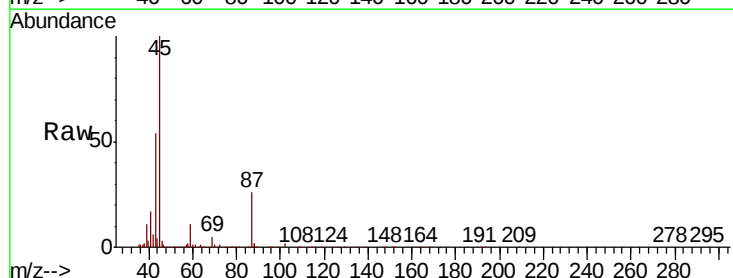
Ion Ratio Lower Upper

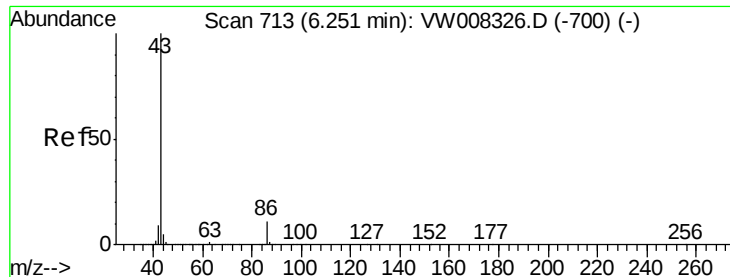
45 100

43 53.1 42.5 63.7

87 25.9 22.2 33.2

59 11.4 9.7 14.5

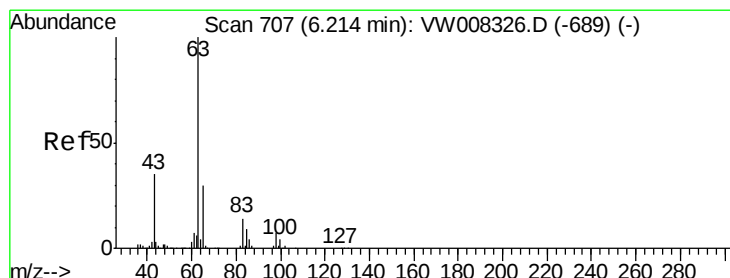
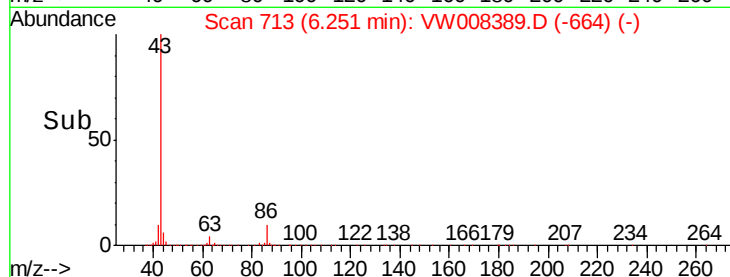
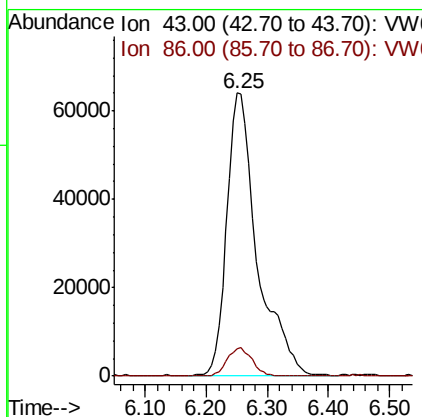
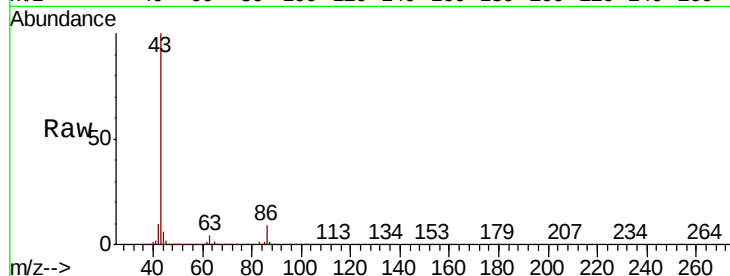




#23
 Vinyl Acetate
 Concen: 118.978 ug/l
 RT: 6.25 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

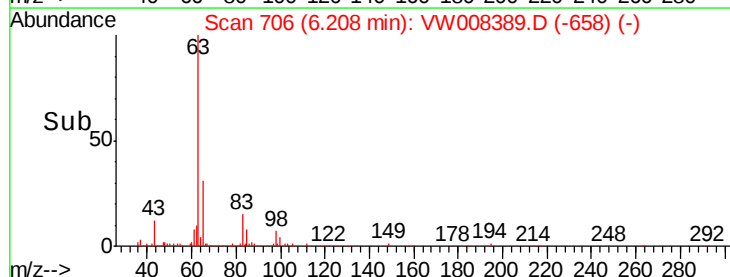
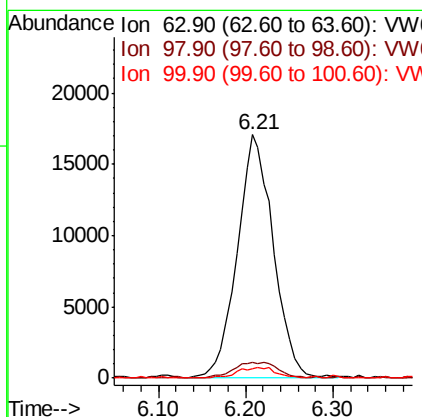
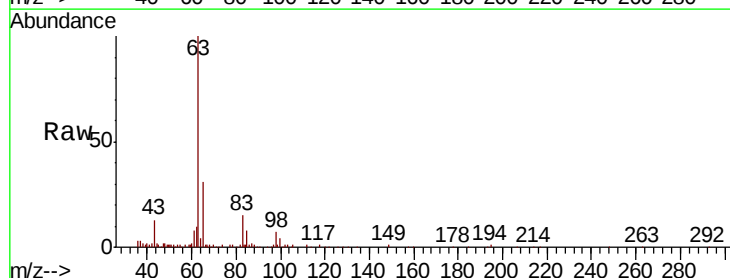
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

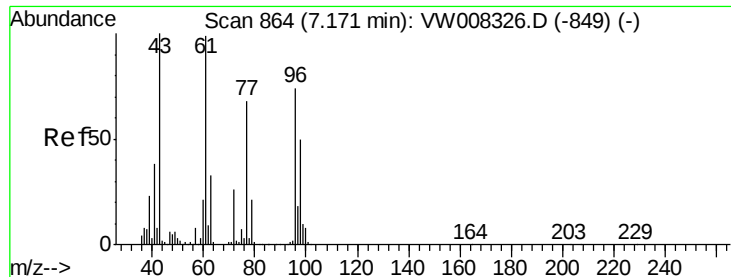
Tgt Ion: 43 Resp: 221075
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.6 13.0



#24
 1,1-Dichloroethane
 Concen: 23.121 ug/l
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion: 63 Resp: 48937
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.6
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 120.662 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

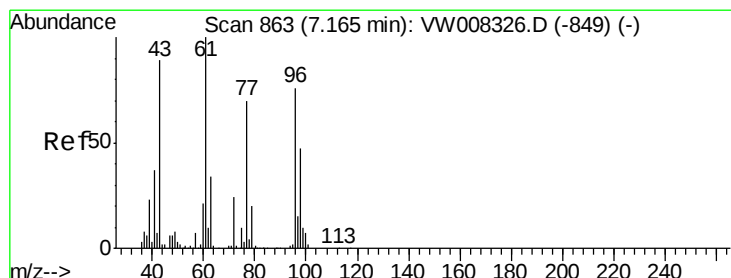
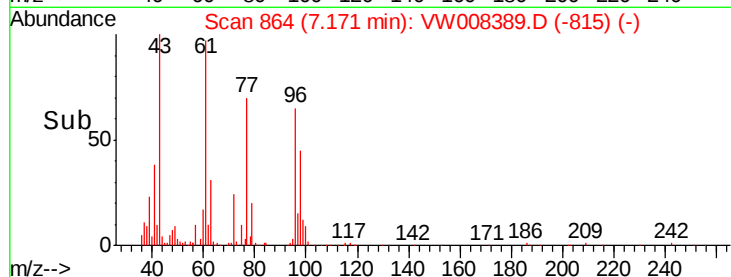
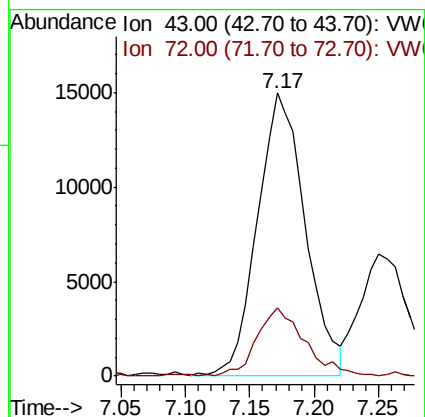
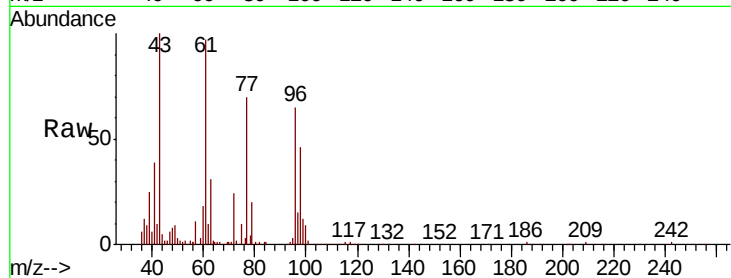
VW0122SBSD01

Tgt Ion: 43 Resp: 38752

Ion Ratio Lower Upper

43 100

72 23.6 21.2 31.8



#26

2,2-Dichloropropane

Concen: 23.174 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW008389.D

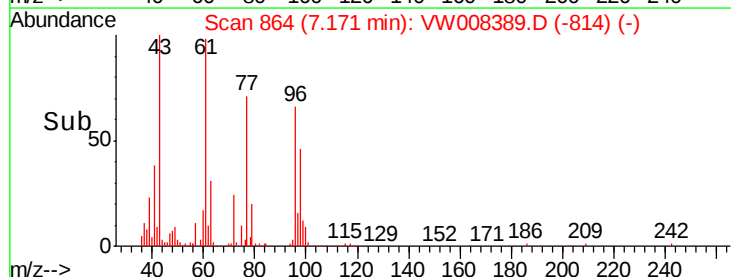
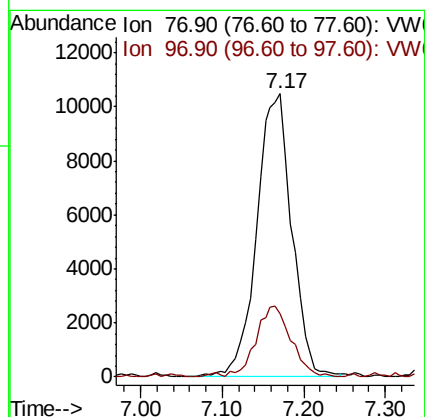
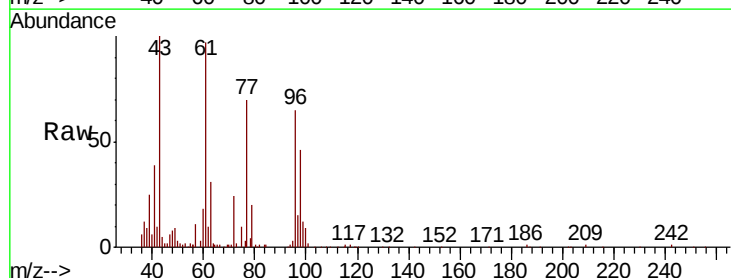
Acq: 22 Jan 2019 15:30

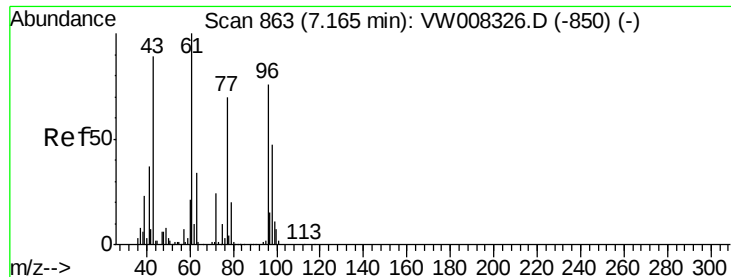
Tgt Ion: 77 Resp: 31300

Ion Ratio Lower Upper

77 100

97 24.9 11.7 35.1



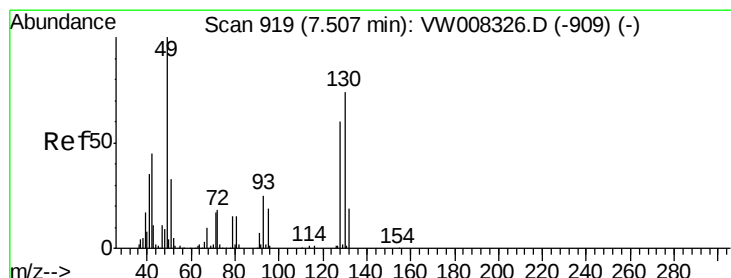
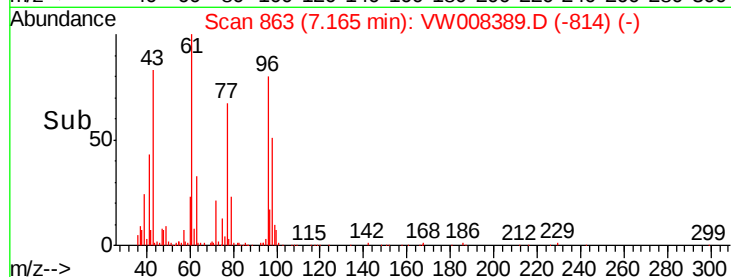
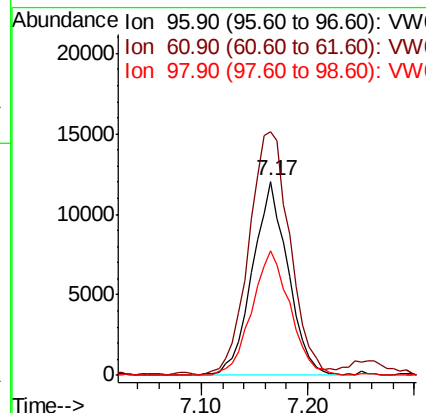
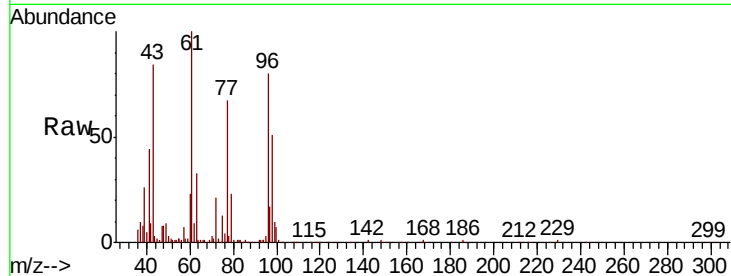


#27

cis-1,2-Dichloroethene
Concen: 21.827 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

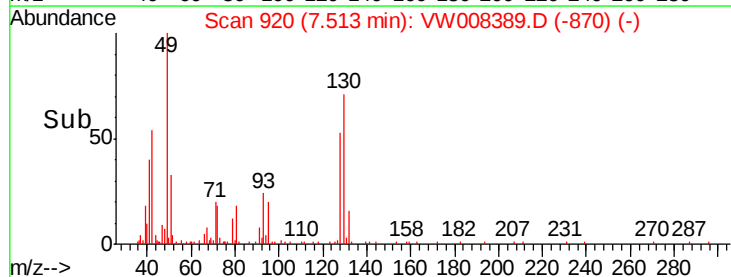
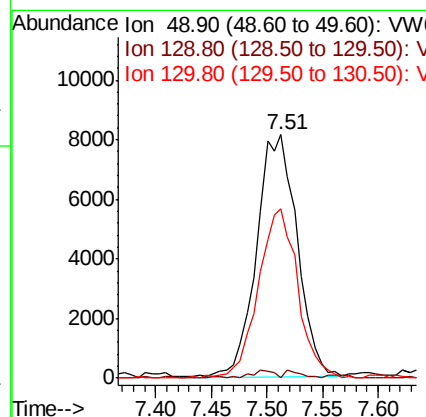
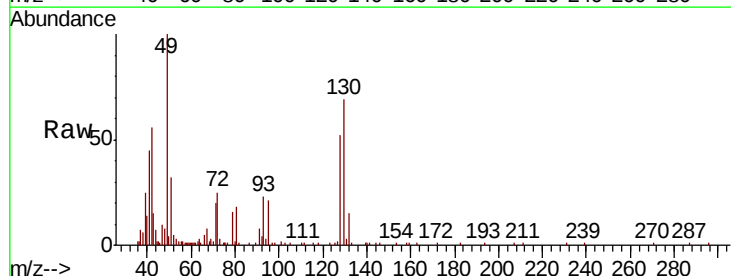
Tgt Ion: 96 Resp: 28288
Ion Ratio Lower Upper
96 100
61 144.4 0.0 272.2
98 68.6 0.0 129.4

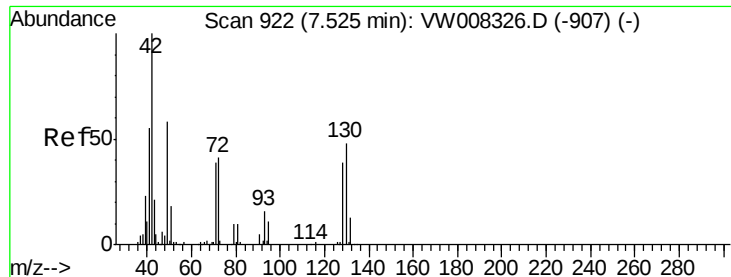


#28

Bromochloromethane
Concen: 23.487 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 49 Resp: 20480
Ion Ratio Lower Upper
49 100
129 1.2 0.0 2.6
130 68.6 0.0 0.0#

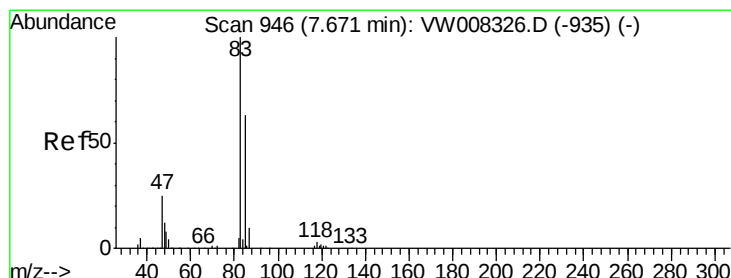
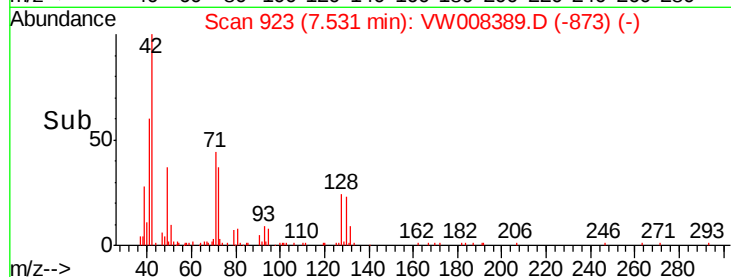
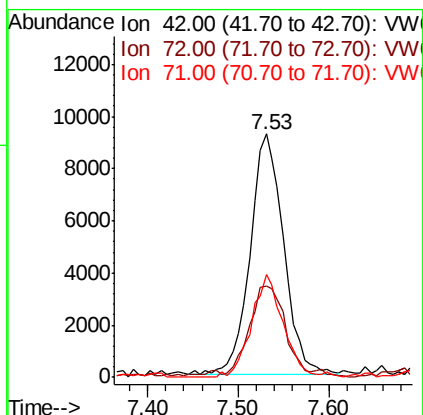
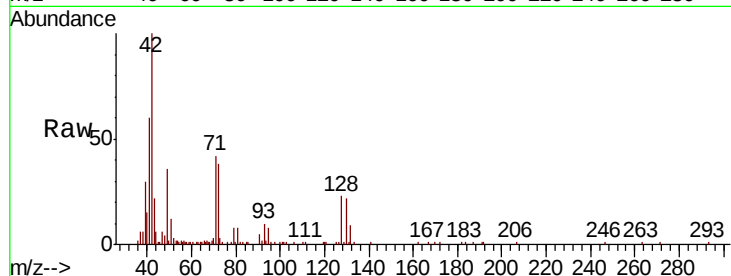




#29
Tetrahydrofuran
Concen: 118.277 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

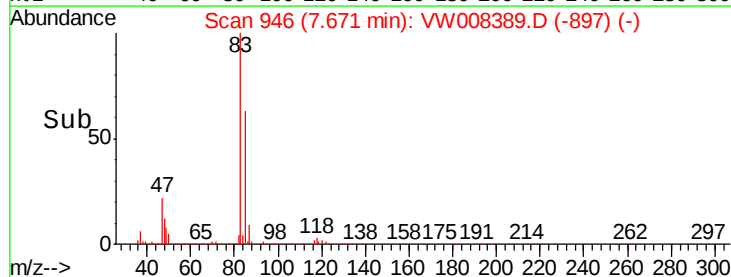
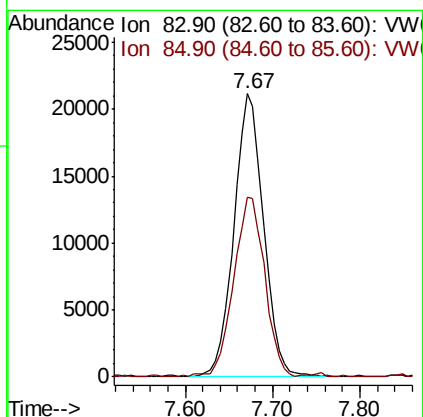
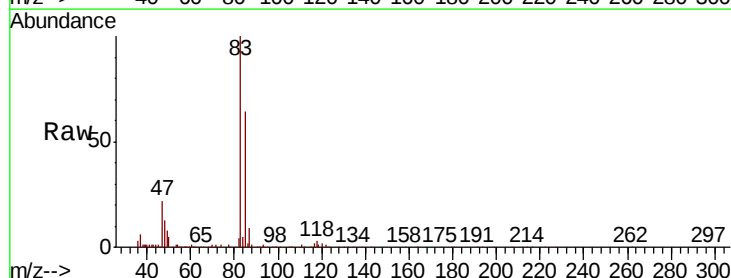
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

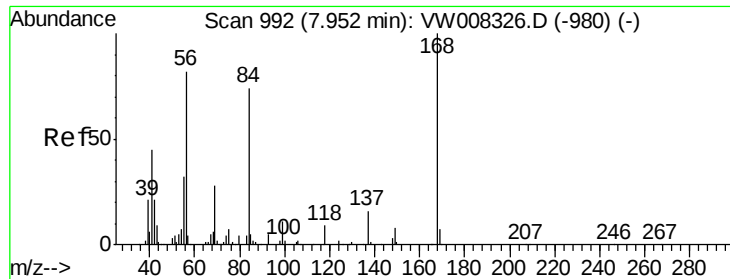
Tgt Ion: 42 Resp: 23681
Ion Ratio Lower Upper
42 100
72 42.2 34.0 51.0
71 40.2 32.0 48.0



#30
Chloroform
Concen: 23.819 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 83 Resp: 49880
Ion Ratio Lower Upper
83 100
85 63.3 50.2 75.2

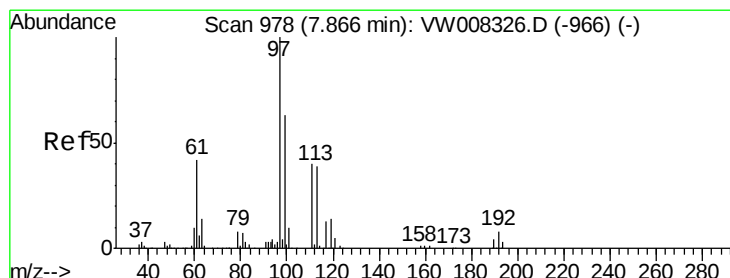
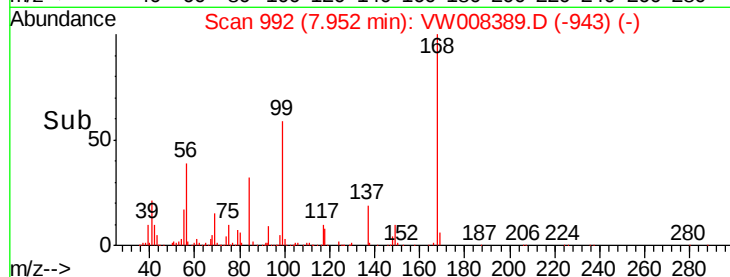
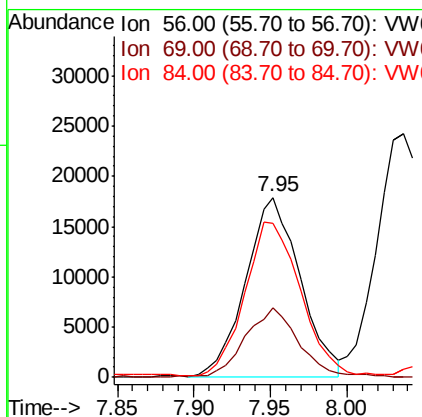
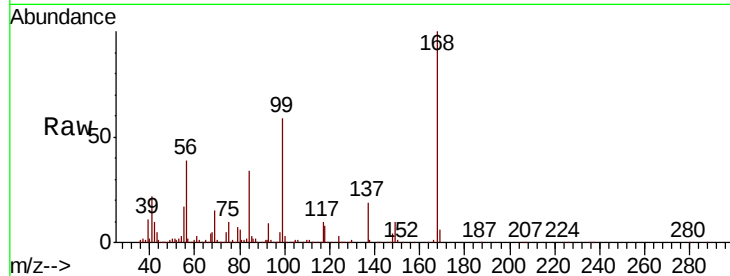




#31
Cyclohexane
Concen: 21.916 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

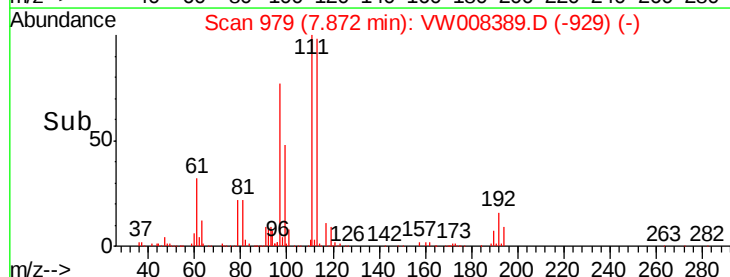
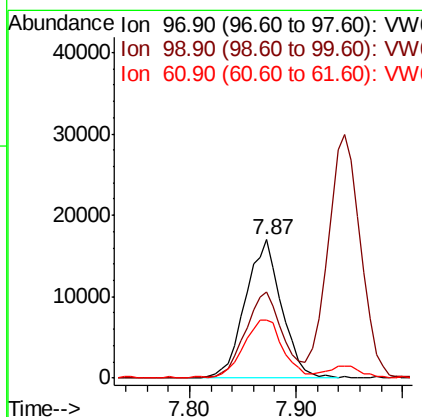
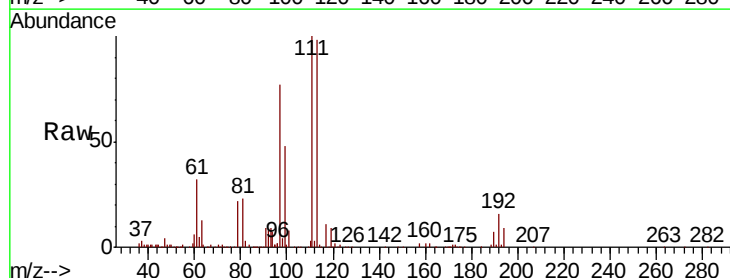
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

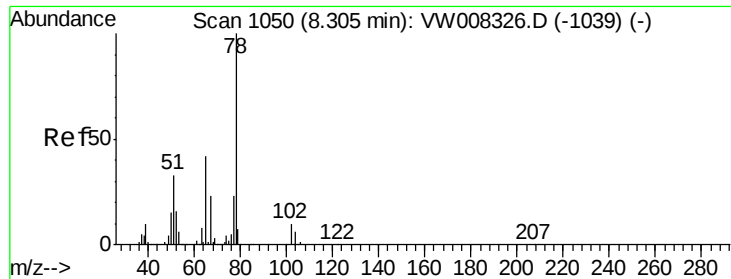
Tgt Ion: 56 Resp: 44196
Ion Ratio Lower Upper
56 100
69 37.5 27.0 40.6
84 84.8 72.5 108.7



#32
1,1,1-Trichloroethane
Concen: 23.101 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 97 Resp: 40600
Ion Ratio Lower Upper
97 100
99 64.7 51.1 76.7
61 46.2 34.0 51.0

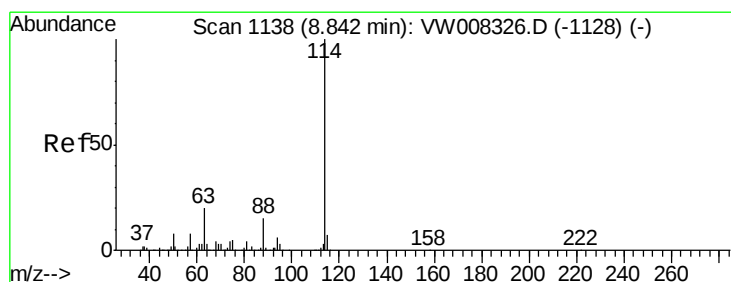
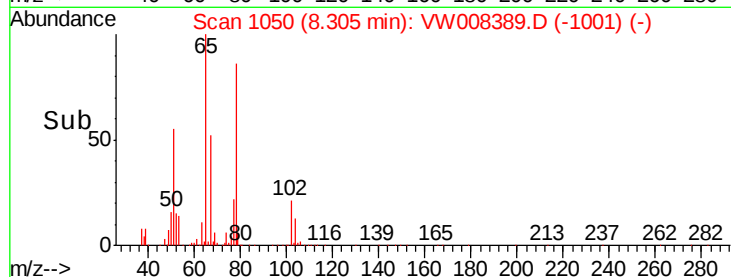
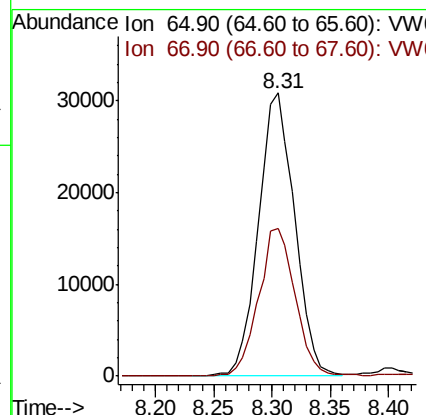
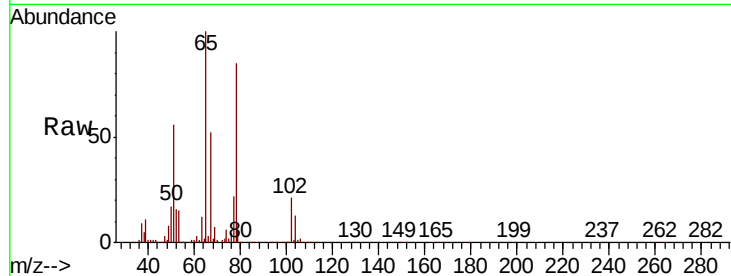




#33
 1,2-Dichloroethane-d4
 Concen: 61.451 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

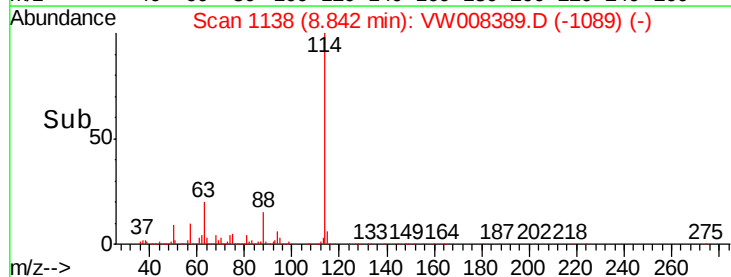
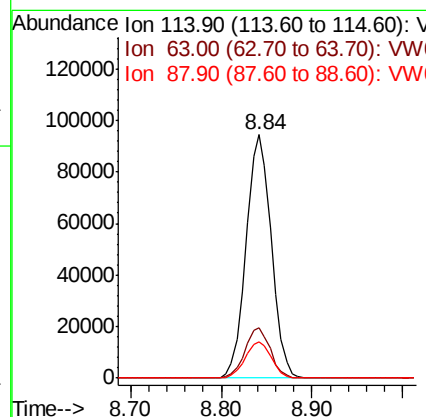
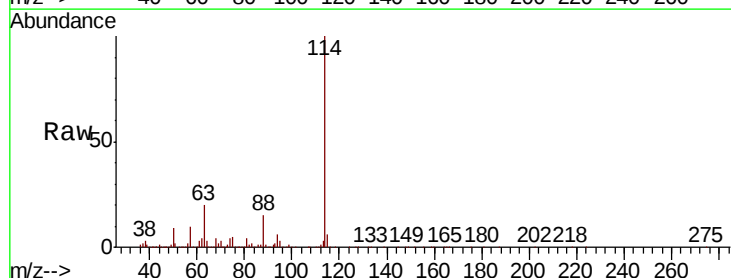
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

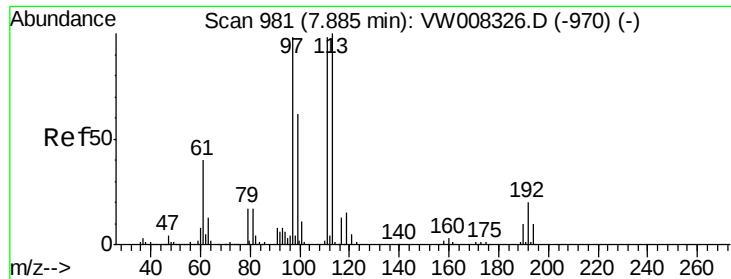
Tgt Ion: 65 Resp: 66350
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion: 114 Resp: 181218
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.259 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

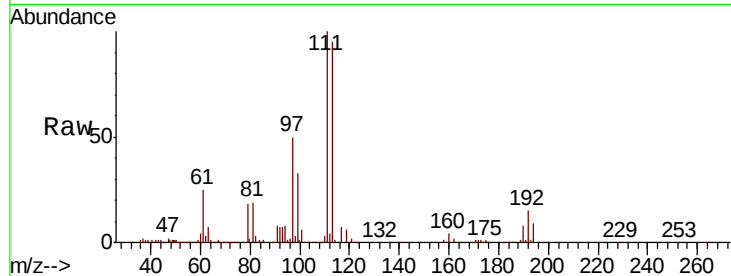
Tgt Ion:113 Resp: 62766

Ion Ratio Lower Upper

113 100

111 104.3 81.8 122.8

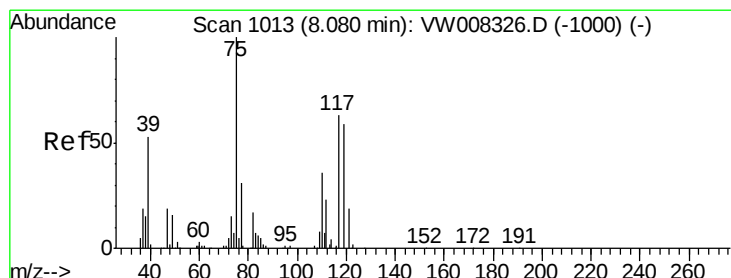
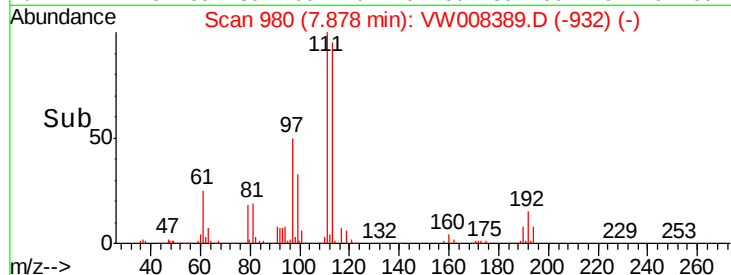
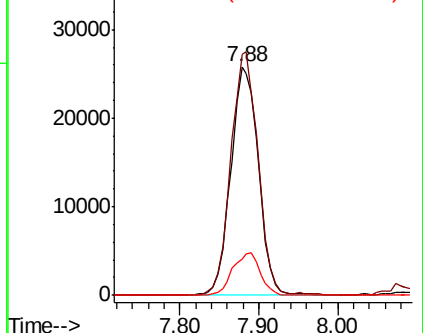
192 18.6 16.3 24.5



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: 21.384 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

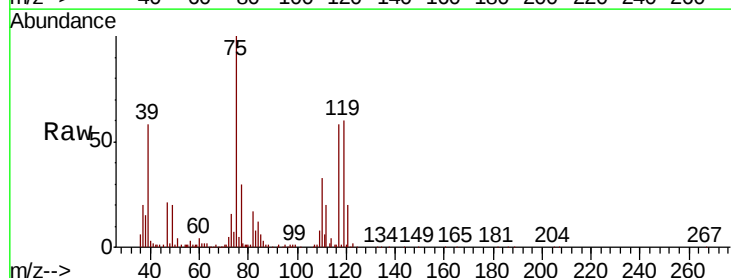
Tgt Ion: 75 Resp: 38988

Ion Ratio Lower Upper

75 100

110 35.0 17.5 52.6

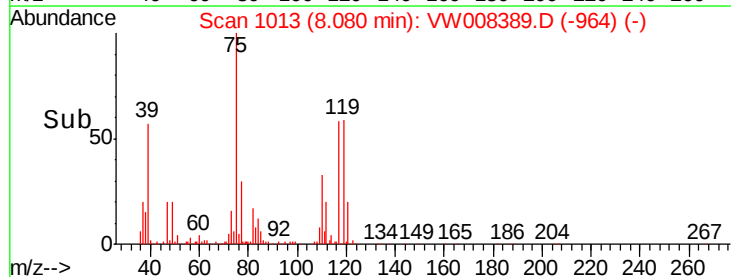
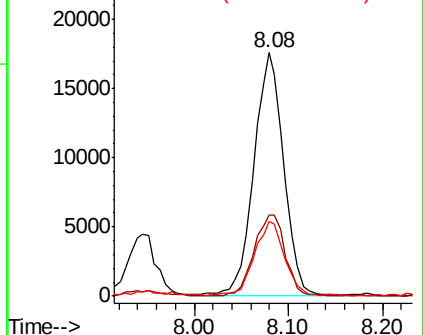
77 31.4 25.0 37.6

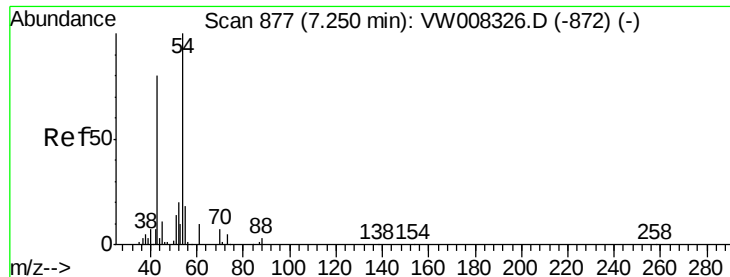


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

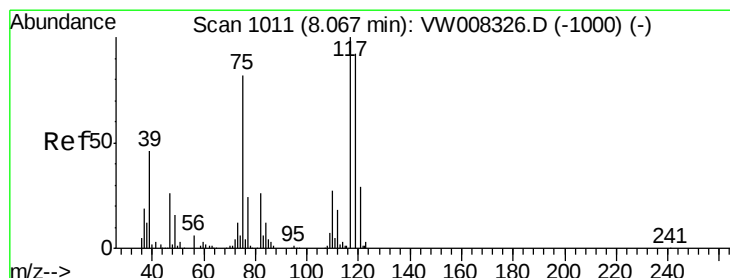
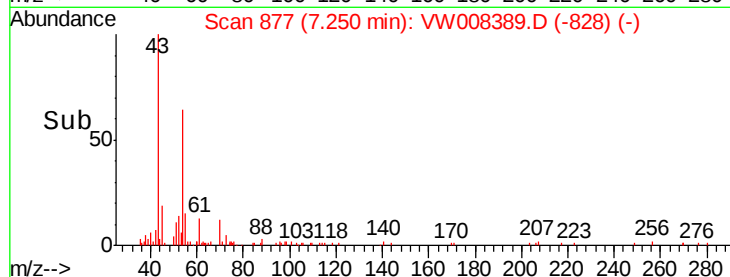
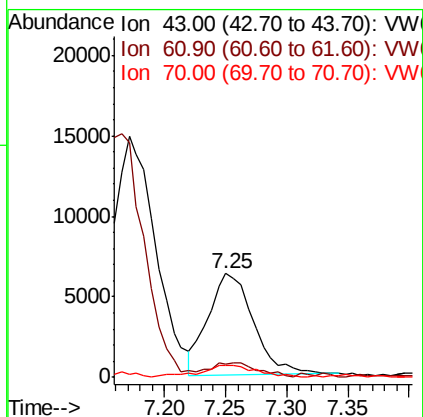
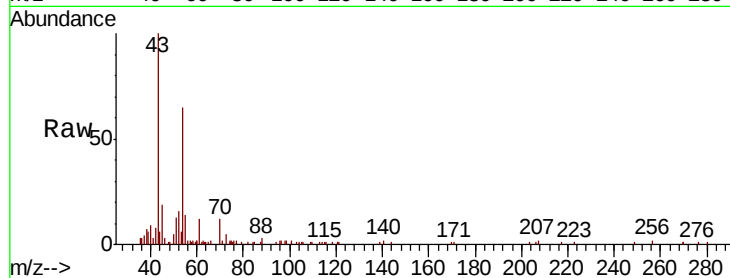




#37
Ethyl Acetate
Concen: 21.716 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

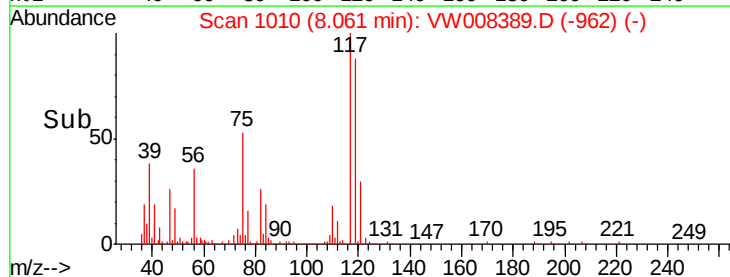
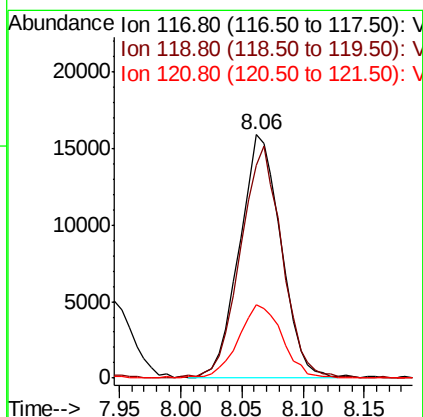
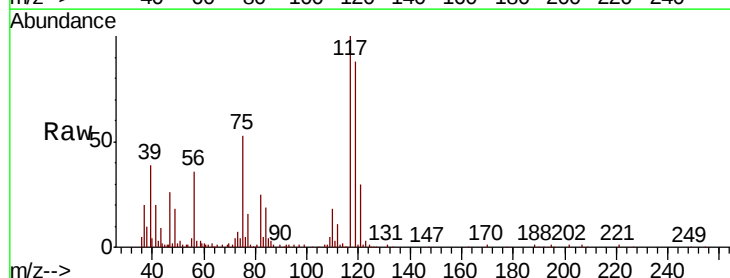
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

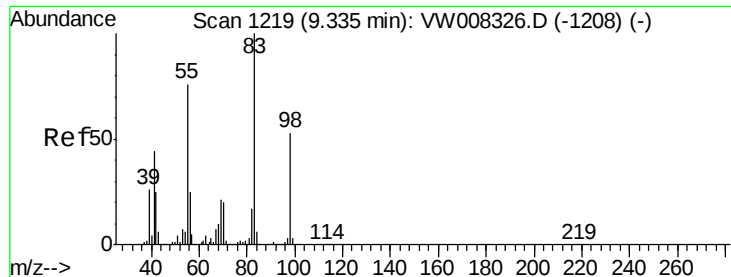
Tgt Ion: 43 Resp: 16327
Ion Ratio Lower Upper
43 100
61 15.1 11.5 17.3
70 15.0 8.8 13.2#



#38
Carbon Tetrachloride
Concen: 20.830 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 117 Resp: 37501
Ion Ratio Lower Upper
117 100
119 87.3 73.8 110.6
121 30.4 23.4 35.0

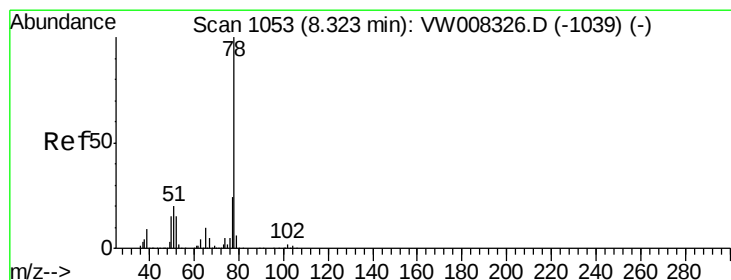
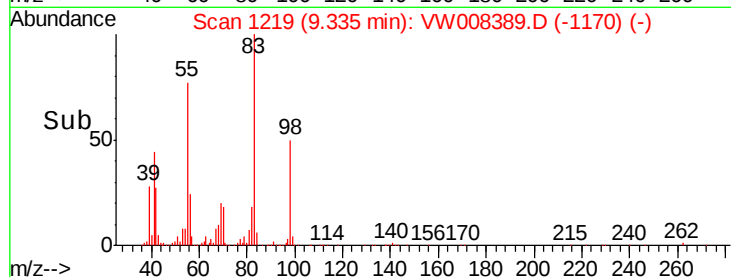
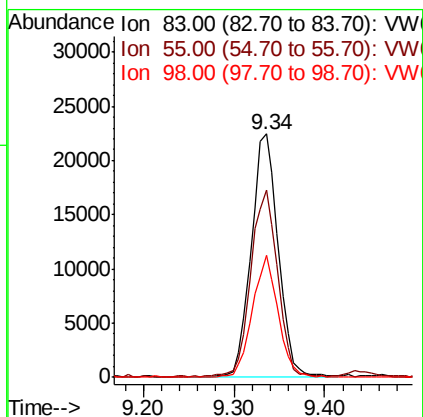
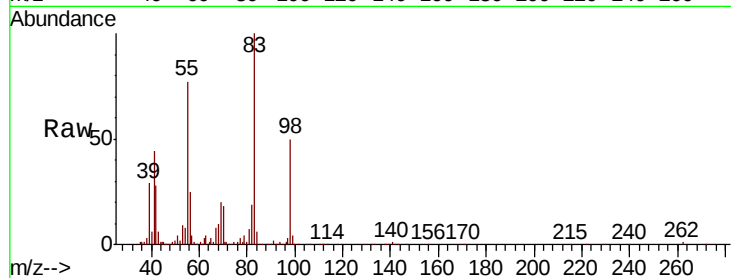




#39
Methylcyclohexane
Concen: 21.393 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

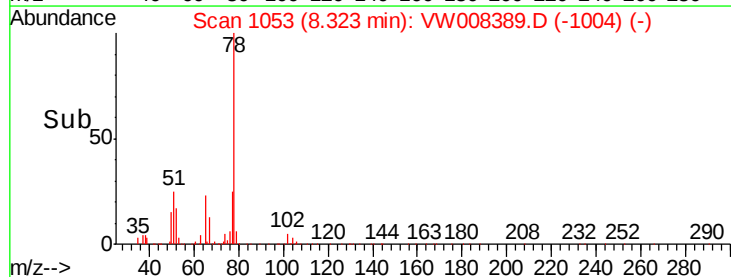
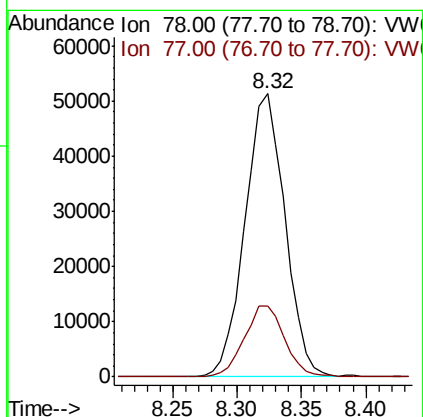
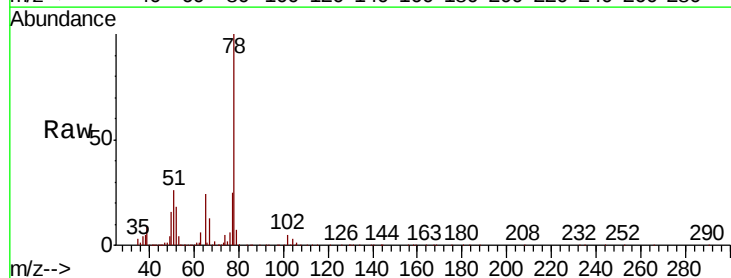
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

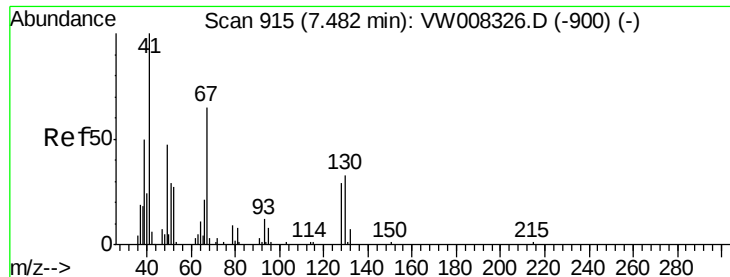
Tgt Ion: 83 Resp: 46396
Ion Ratio Lower Upper
83 100
55 77.1 61.1 91.7
98 49.8 42.5 63.7



#40
Benzene
Concen: 21.374 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 78 Resp: 110386
Ion Ratio Lower Upper
78 100
77 25.1 19.4 29.0

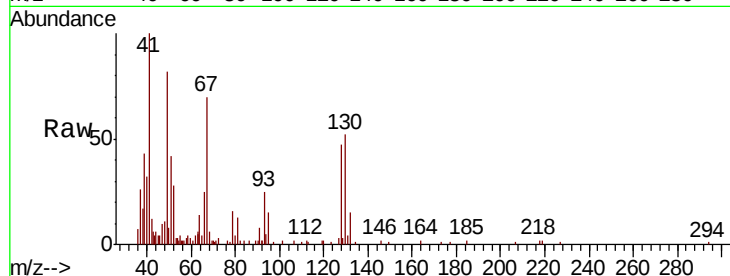




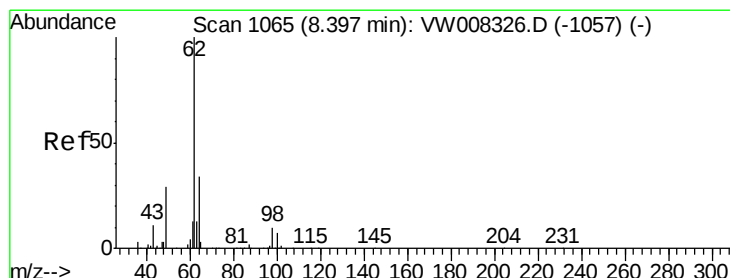
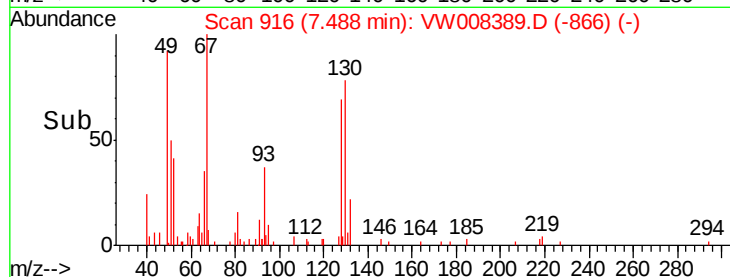
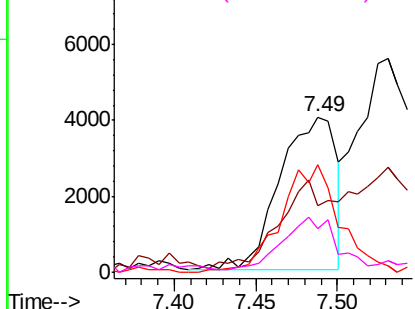
#41
Methacrylonitrile
Concen: 22.318 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tgt Ion:	41	Resp:	9768
Ion	Ratio	Lower	Upper
41	100		
39	53.7	44.9	67.3
67	72.0	56.9	85.3
52	32.1	24.4	36.6

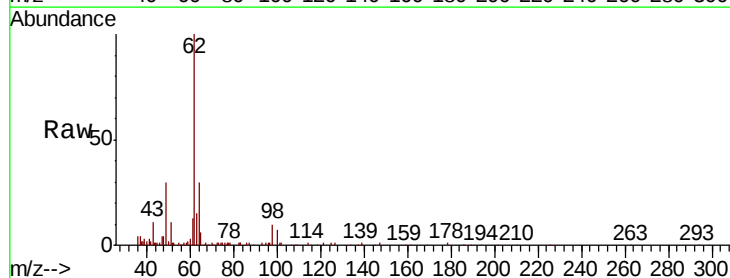


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

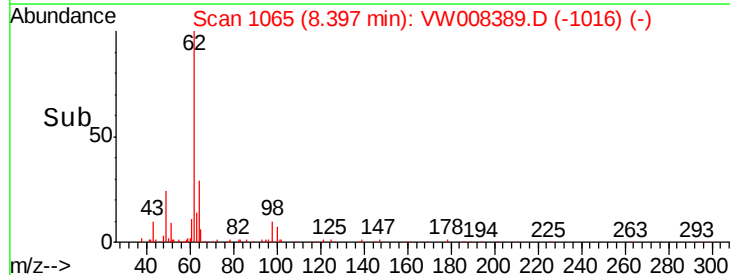
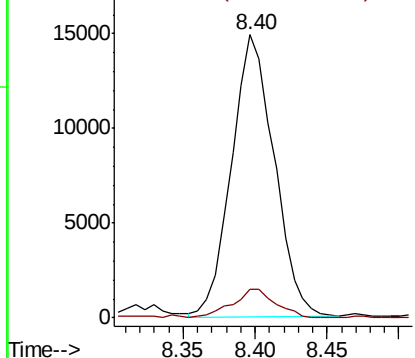


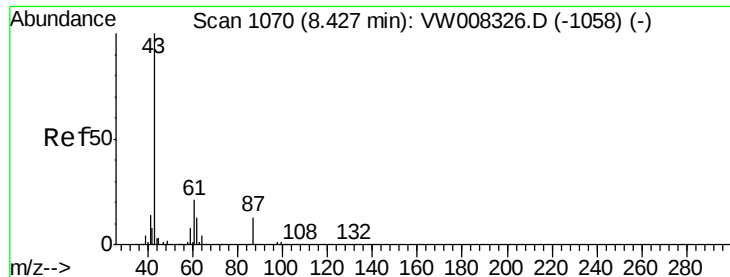
#42
1,2-Dichloroethane
Concen: 21.213 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion:	62	Resp:	30635
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.0



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





#43

Isopropyl Acetate

Concen: 22.141 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

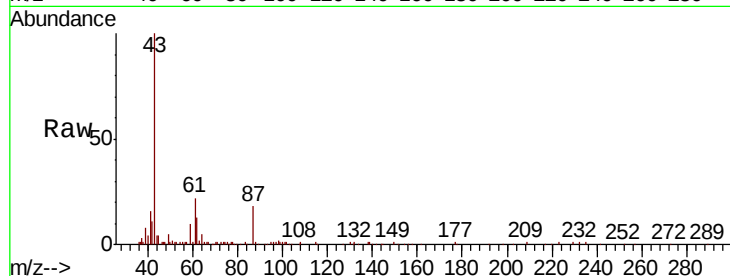
Tgt Ion: 43 Resp: 31444

Ion Ratio Lower Upper

43 100

61 34.1 24.8 37.2

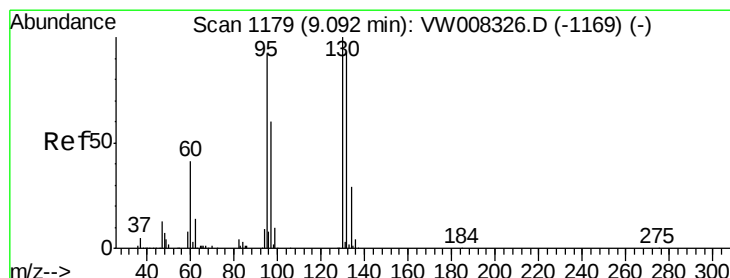
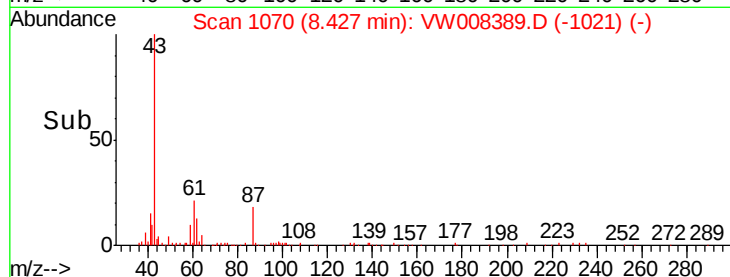
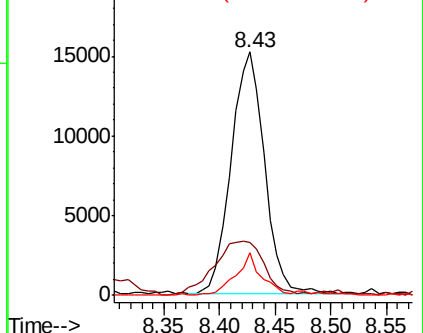
87 13.7 10.7 16.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.164 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW008389.D

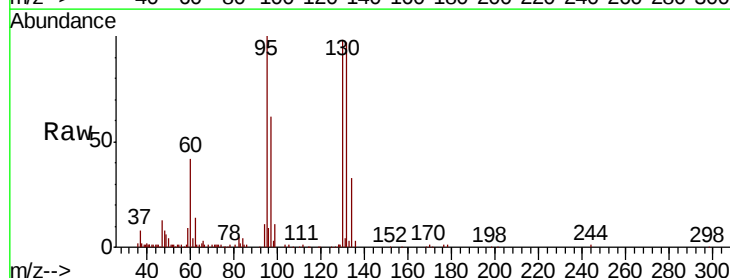
Acq: 22 Jan 2019 15:30

Tgt Ion: 130 Resp: 28531

Ion Ratio Lower Upper

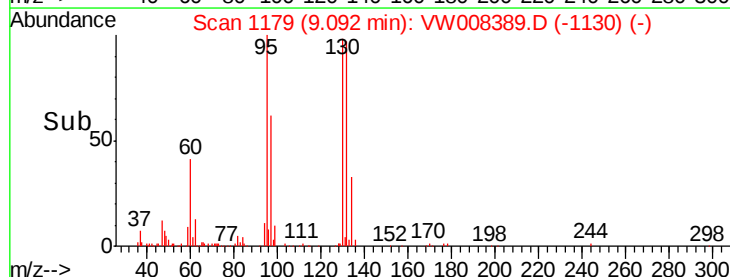
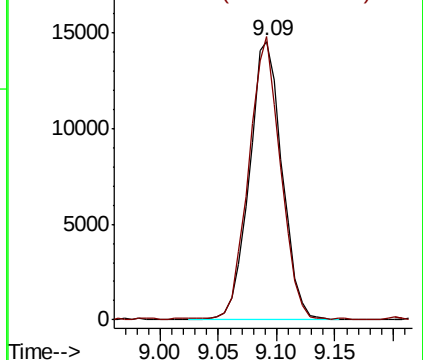
130 100

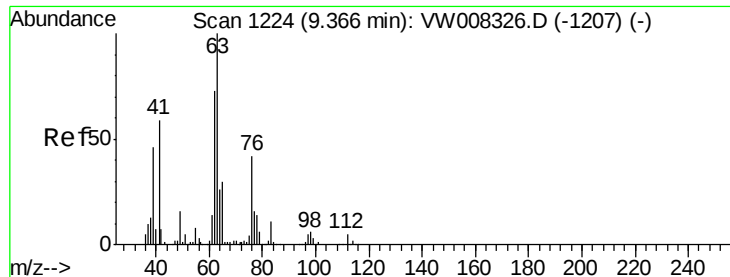
95 101.1 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

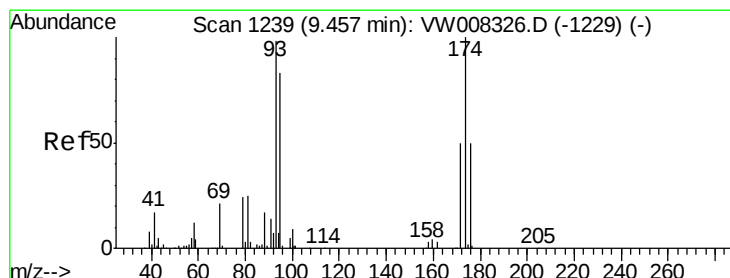
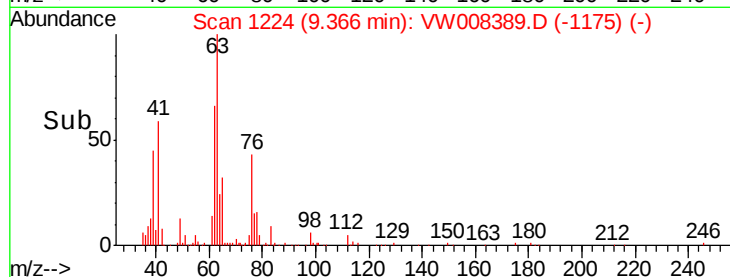
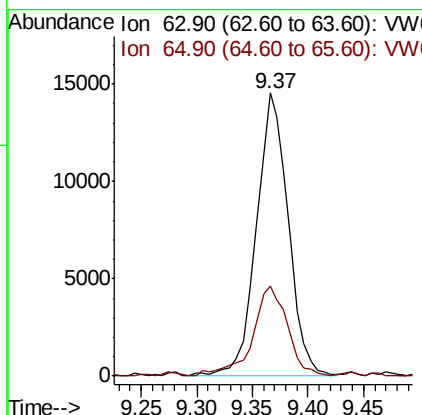
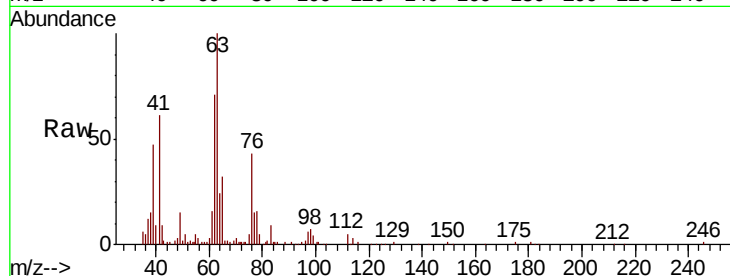




#45
 1,2-Dichloropropane
 Concen: 22.645 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

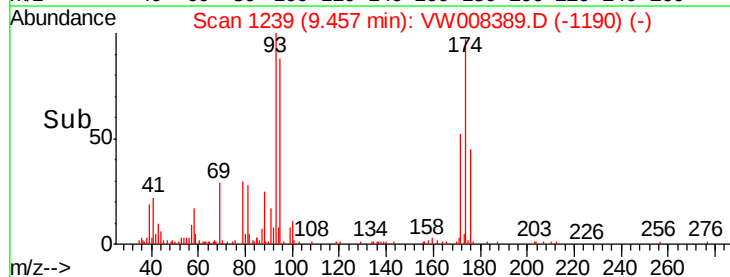
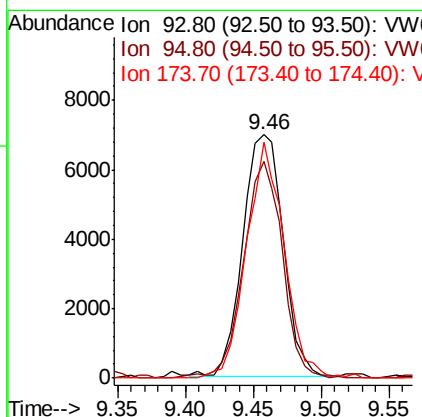
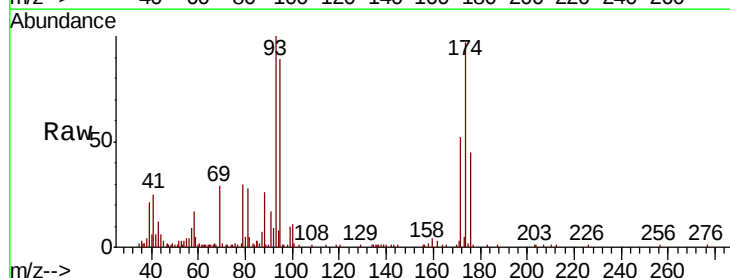
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

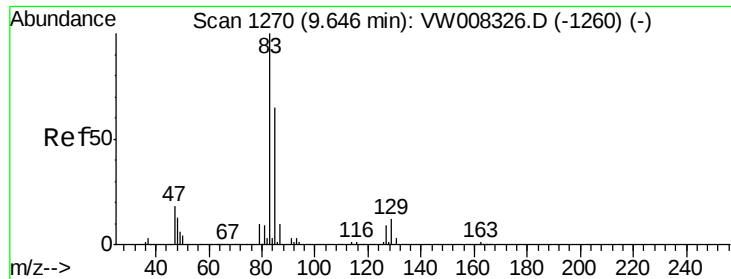
Tgt Ion: 63 Resp: 29050
 Ion Ratio Lower Upper
 63 100
 65 31.8 23.9 35.9



#46
 Dibromomethane
 Concen: 21.624 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion: 93 Resp: 14458
 Ion Ratio Lower Upper
 93 100
 95 86.5 67.8 101.8
 174 91.5 84.4 126.6





#47

Bromodichloromethane

Concen: 22.515 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

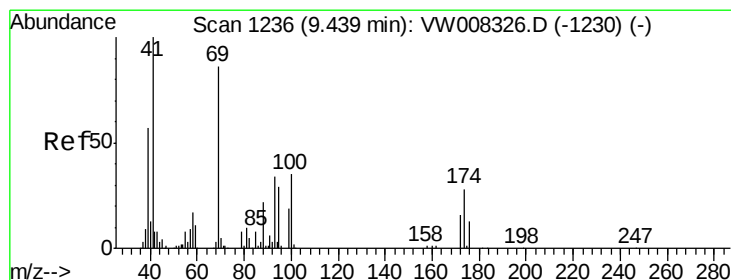
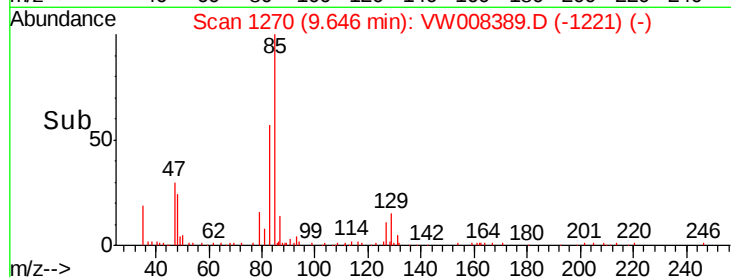
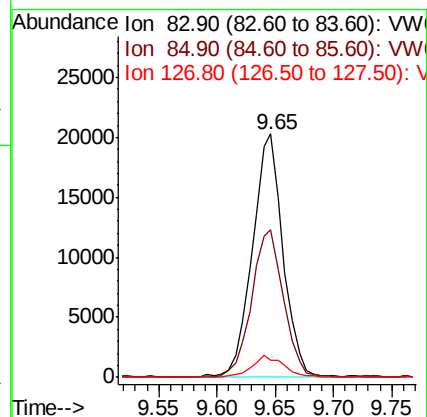
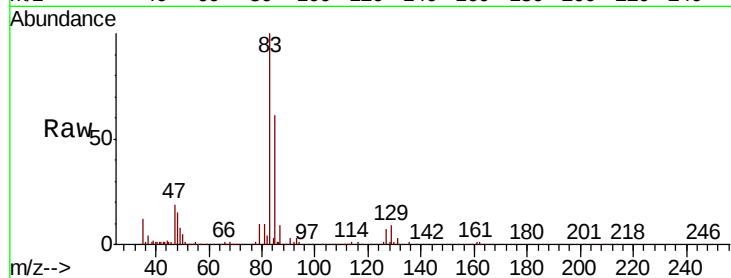
Tgt Ion: 83 Resp: 37133

Ion Ratio Lower Upper

83 100

85 60.7 51.6 77.4

127 6.9 6.8 10.2



#48

Methyl methacrylate

Concen: 21.295 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

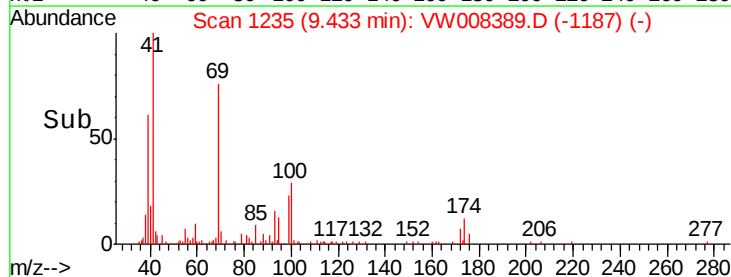
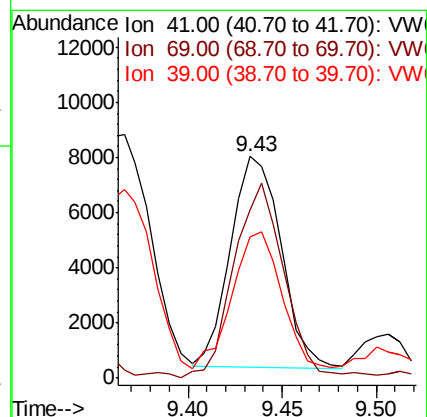
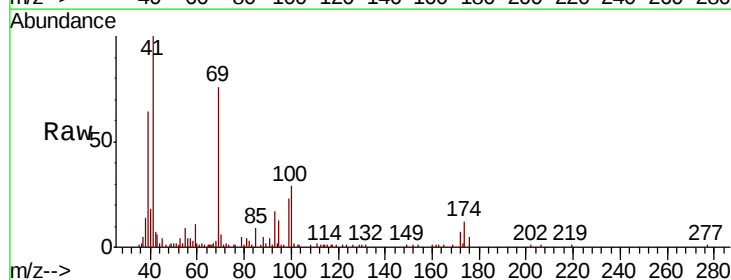
Tgt Ion: 41 Resp: 14237

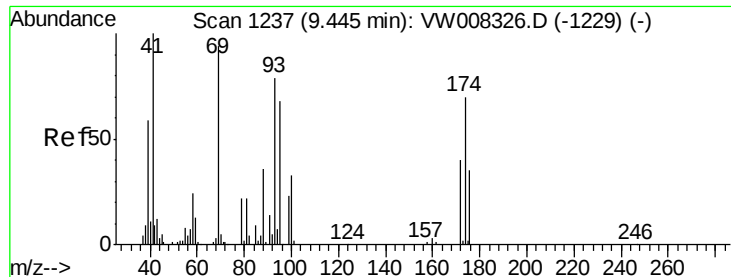
Ion Ratio Lower Upper

41 100

69 92.4 68.2 102.4

39 63.4 46.0 69.0





#49

1,4-Dioxane

Concen: 421.054 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.02 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

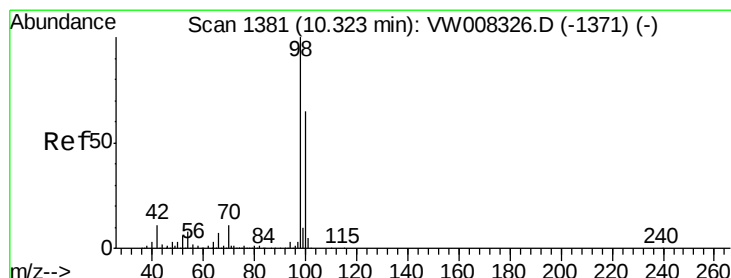
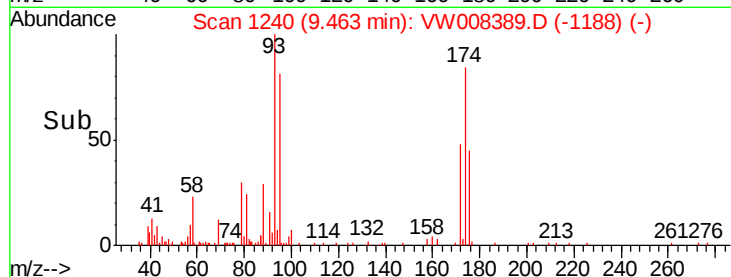
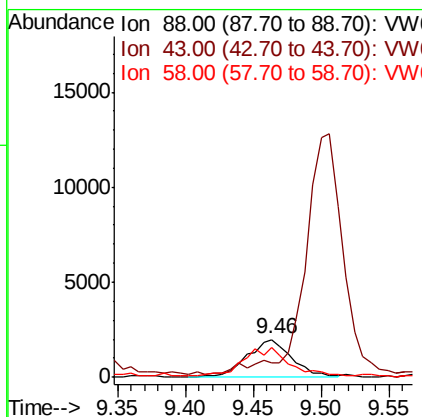
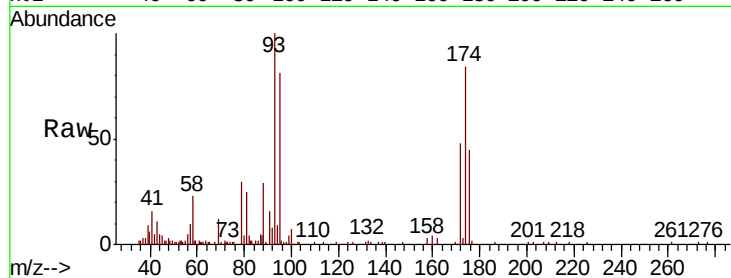
Tgt Ion: 88 Resp: 4532

Ion Ratio Lower Upper

88 100

43 0.0 27.1 40.7#

58 78.6 57.9 86.9



#50

Toluene-d8

Concen: 59.553 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008389.D

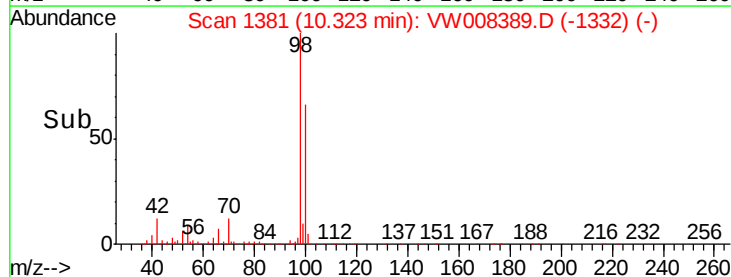
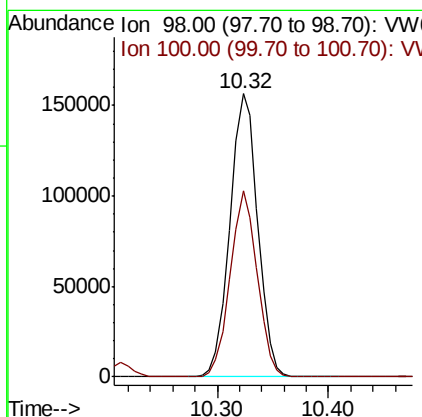
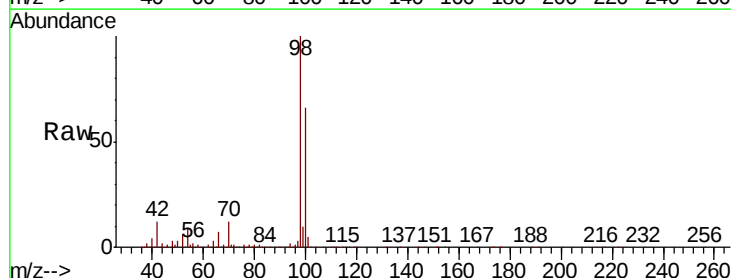
Acq: 22 Jan 2019 15:30

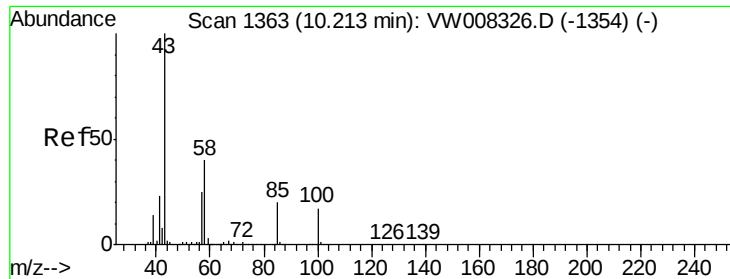
Tgt Ion: 98 Resp: 270637

Ion Ratio Lower Upper

98 100

100 63.6 51.8 77.8

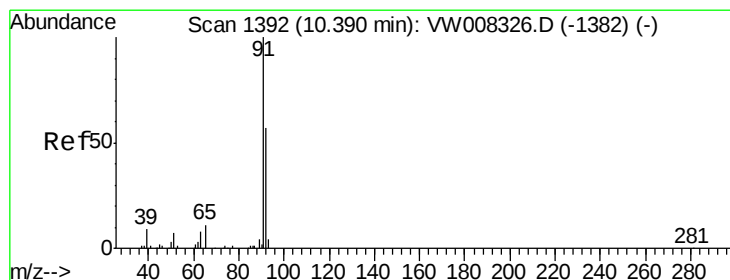
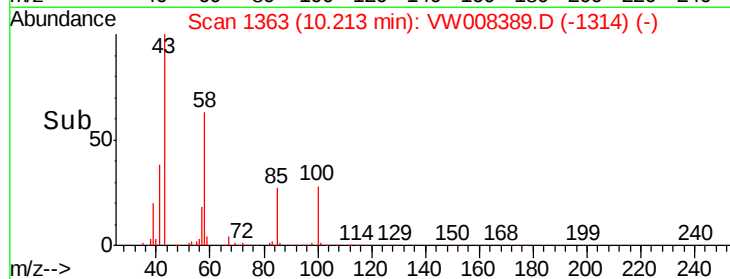
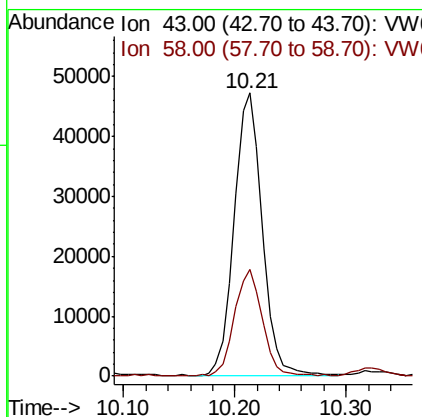
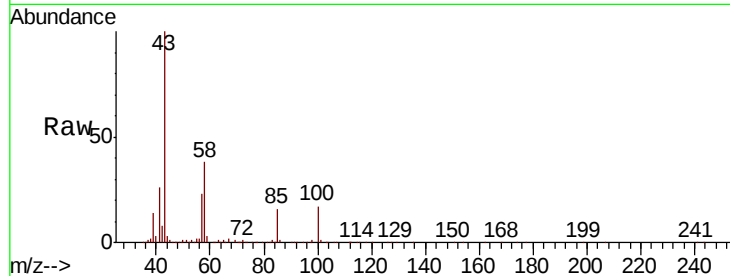




#51
 4-Methyl-2-Pentanone
 Concen: 113.626 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

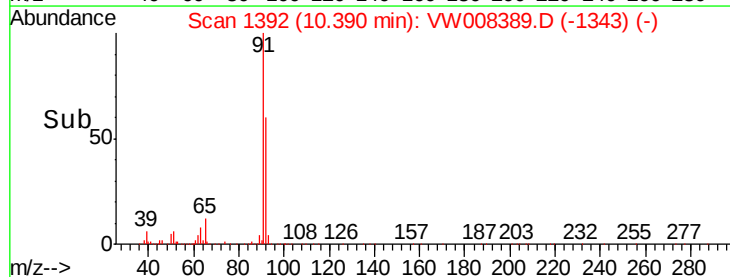
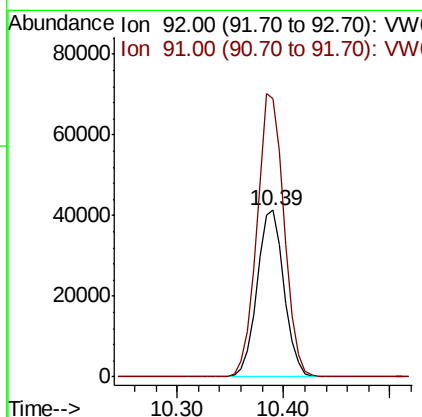
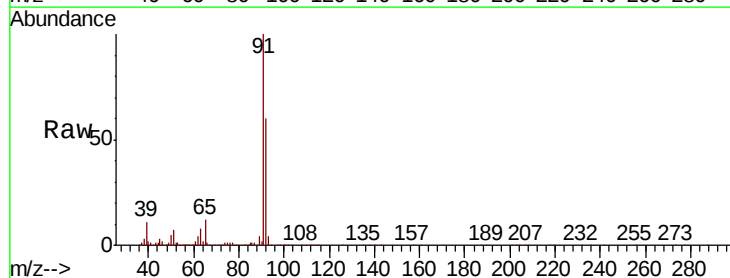
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

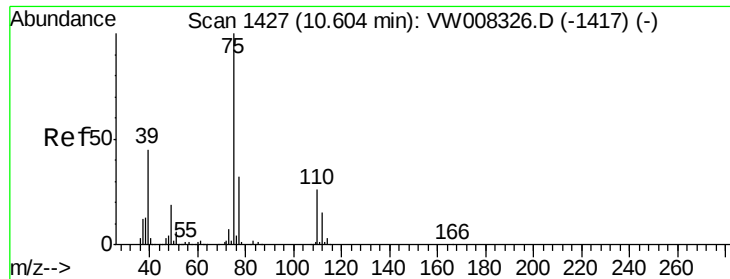
Tgt Ion: 43 Resp: 81711
 Ion Ratio Lower Upper
 43 100
 58 37.8 31.4 47.0



#52
 Toluene
 Concen: 22.509 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion: 92 Resp: 73567
 Ion Ratio Lower Upper
 92 100
 91 170.5 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 22.209 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

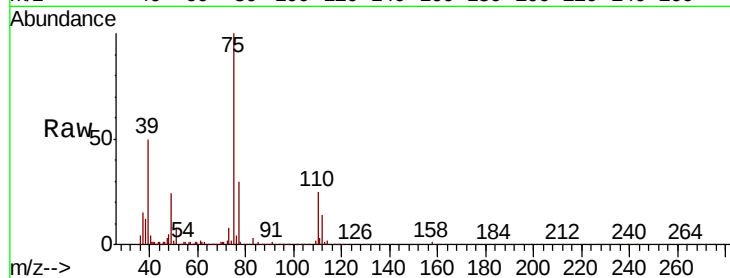
VW0122SBSD01

Tgt Ion: 75 Resp: 36558

Ion Ratio Lower Upper

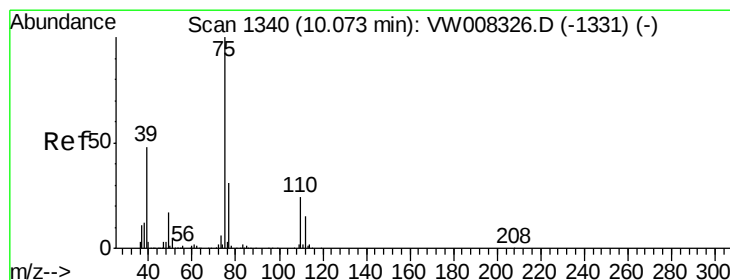
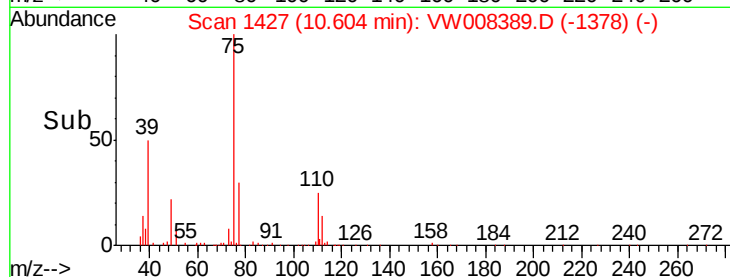
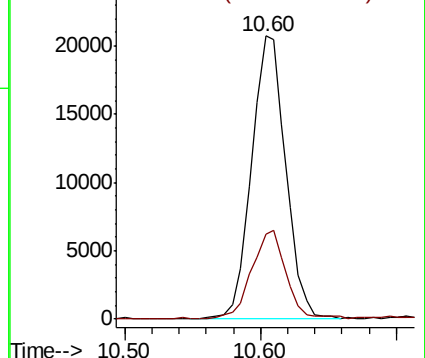
75 100

77 29.6 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 22.111 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

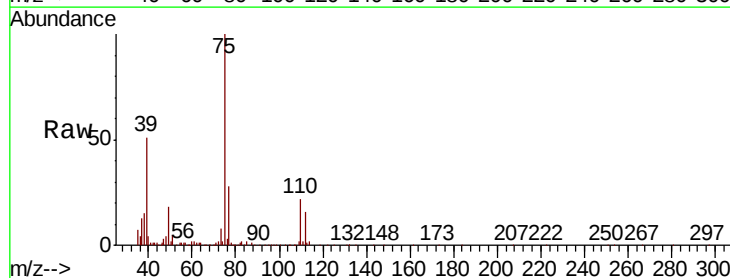
Tgt Ion: 75 Resp: 42905

Ion Ratio Lower Upper

75 100

77 28.3 24.4 36.6

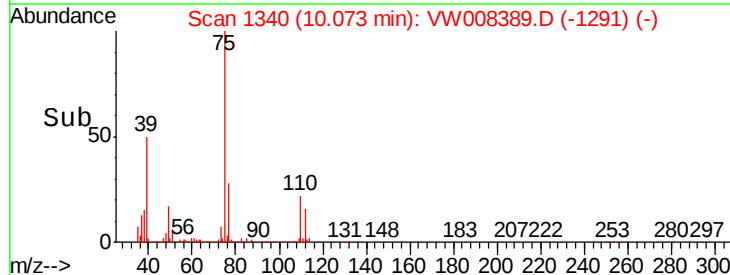
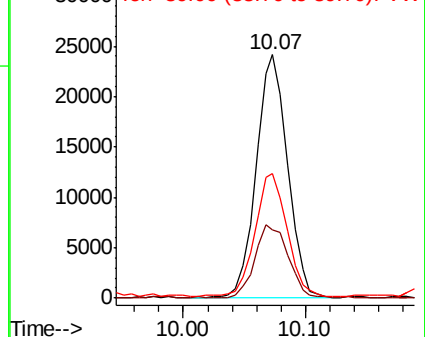
39 50.5 38.6 57.8

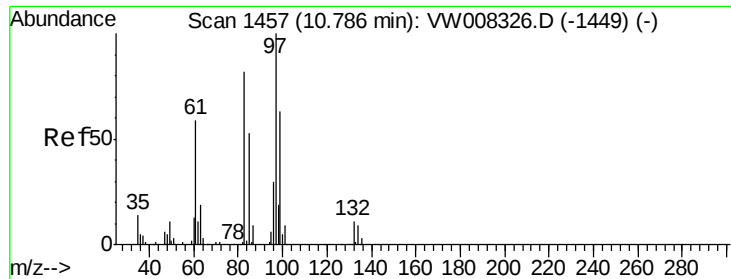


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

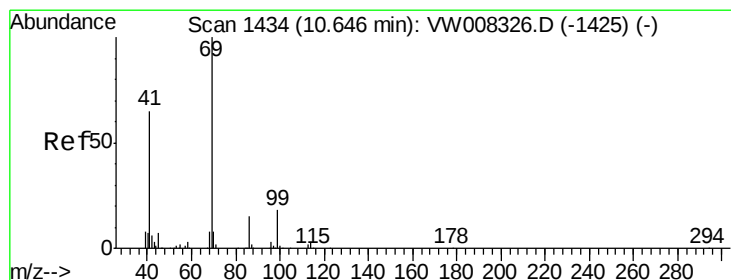
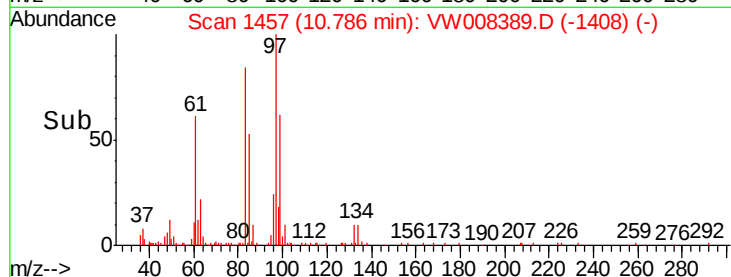
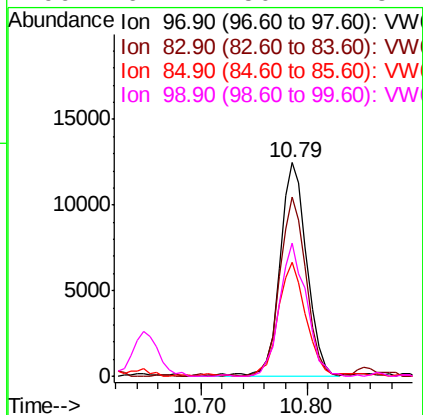
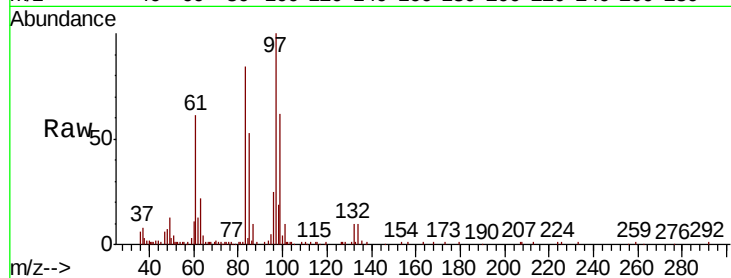




#55
 1,1,2-Trichloroethane
 Concen: 23.332 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

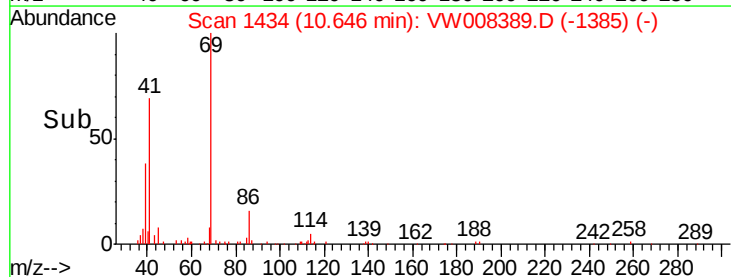
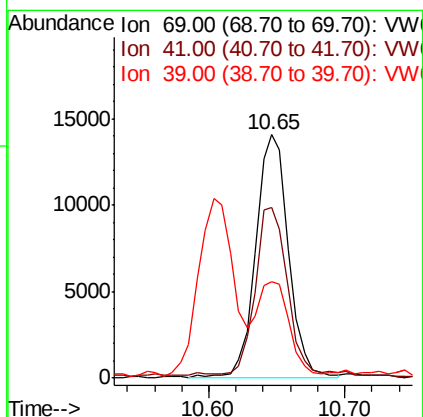
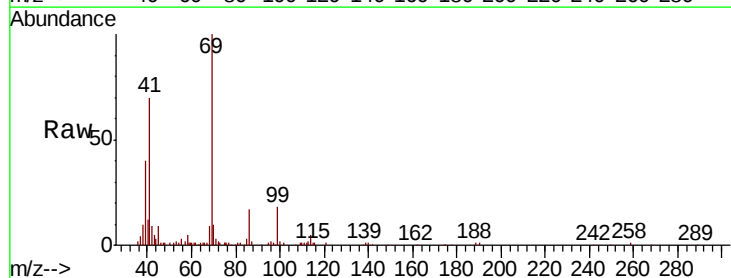
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

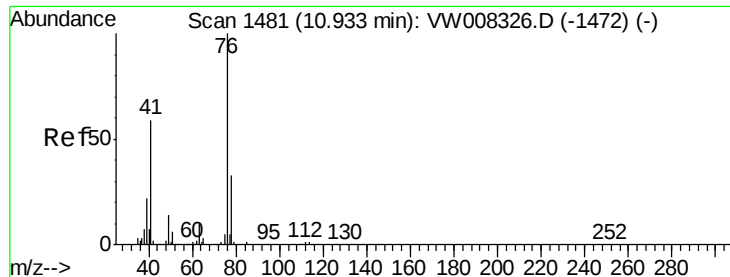
Tgt Ion:	97	Resp:	21638
Ion	Ratio	Lower	Upper
97	100		
83	83.8	65.3	97.9
85	52.6	42.6	64.0
99	62.4	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 21.868 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion:	69	Resp:	23817
Ion	Ratio	Lower	Upper
69	100		
41	69.5	52.9	79.3
39	37.0	28.4	42.6

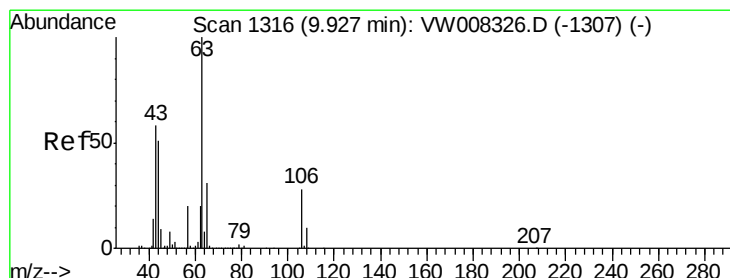
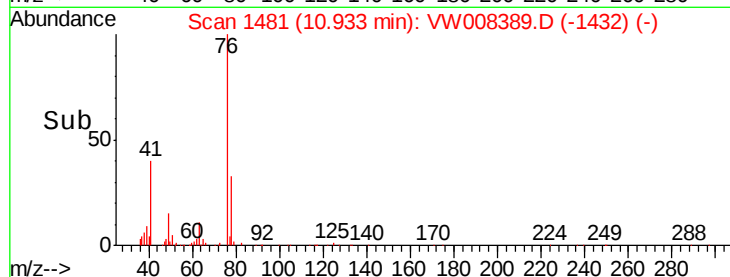
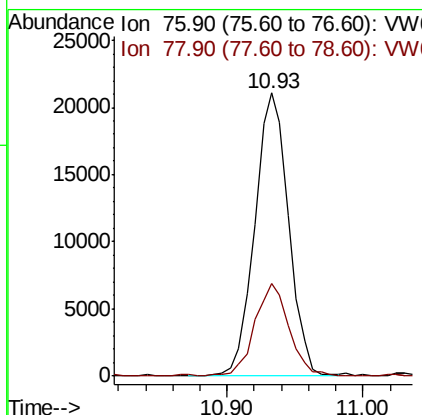
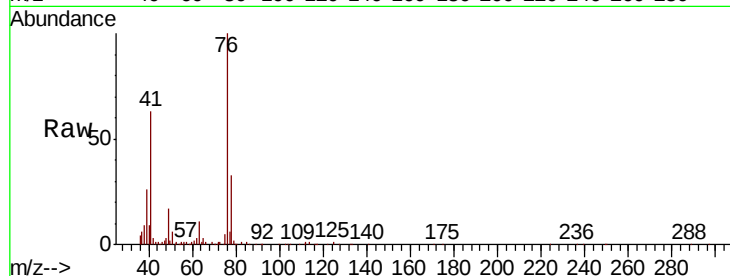




#57
 1,3-Dichloropropane
 Concen: 22.858 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

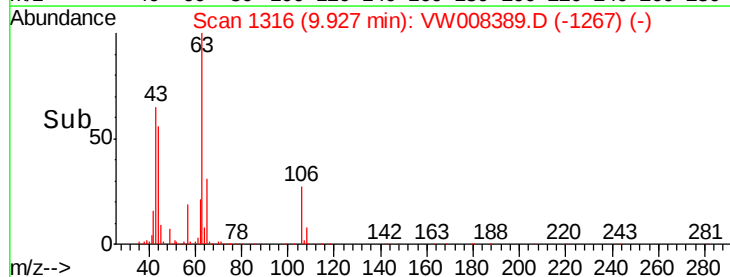
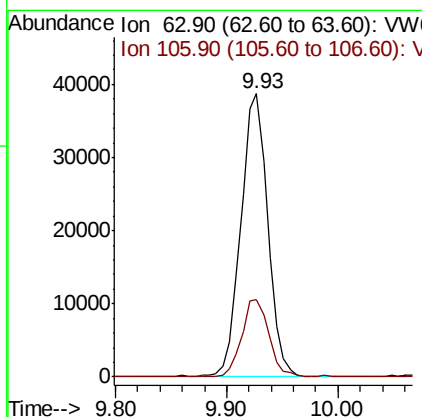
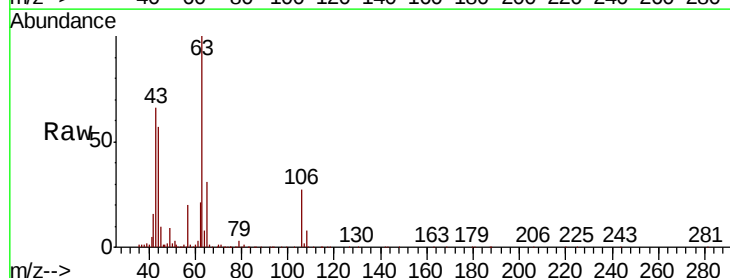
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

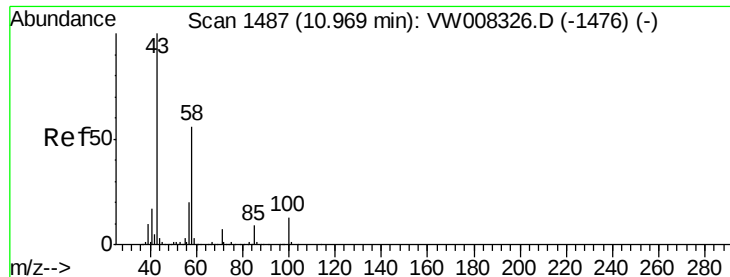
Tgt Ion: 76 Resp: 36806
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.1 39.1



#58
 2-Chloroethyl Vinyl ether
 Concen: 123.013 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion: 63 Resp: 64624
 Ion Ratio Lower Upper
 63 100
 106 27.7 22.9 34.3

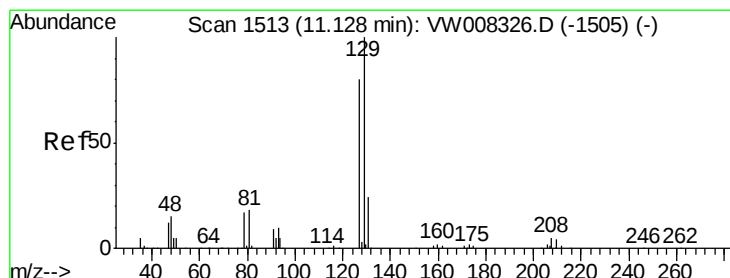
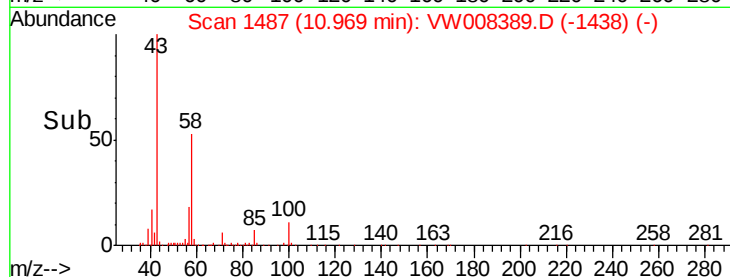
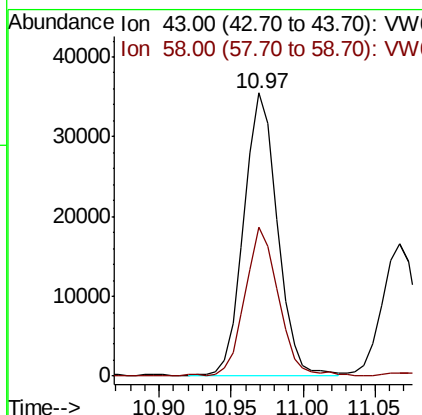
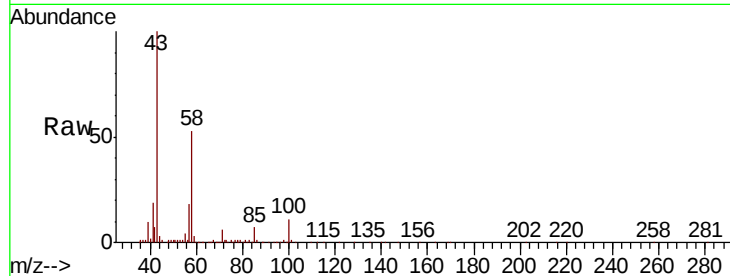




#59
2-Hexanone
Concen: 114.371 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

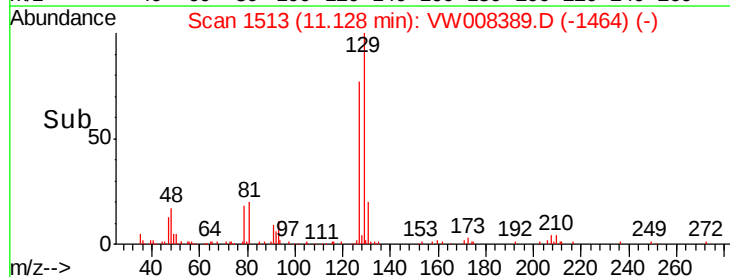
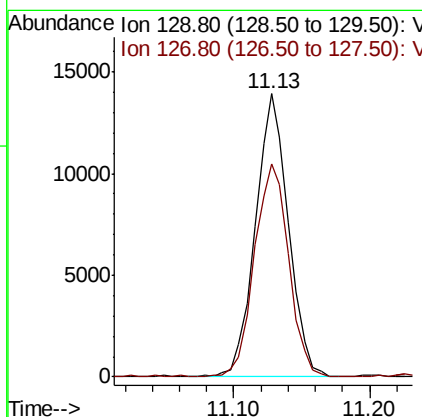
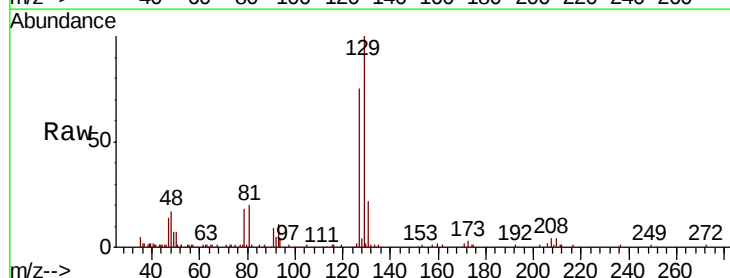
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

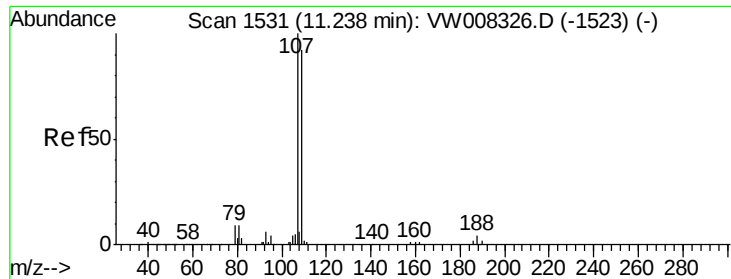
Tgt Ion: 43 Resp: 57627
Ion Ratio Lower Upper
43 100
58 51.8 27.5 82.5



#60
Dibromochloromethane
Concen: 21.357 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 129 Resp: 23638
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2

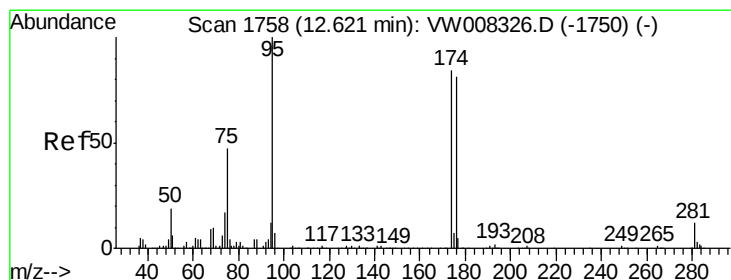
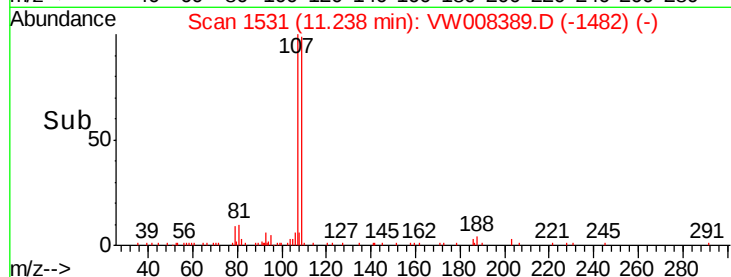
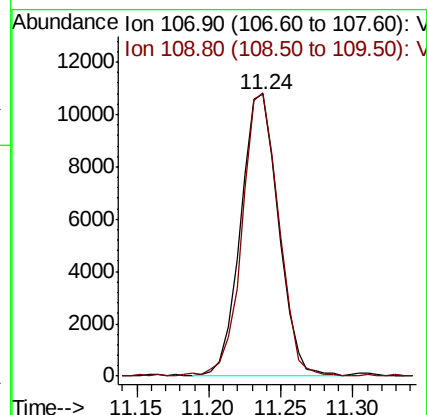
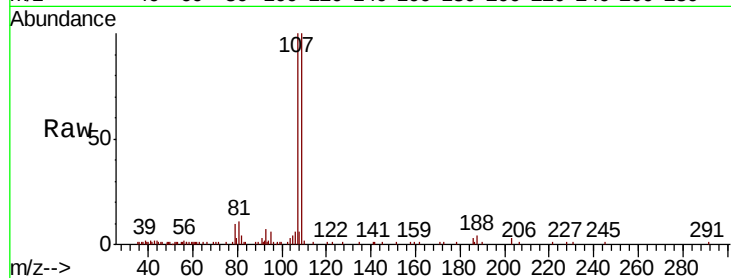




#61
 1,2-Dibromoethane
 Concen: 21.837 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

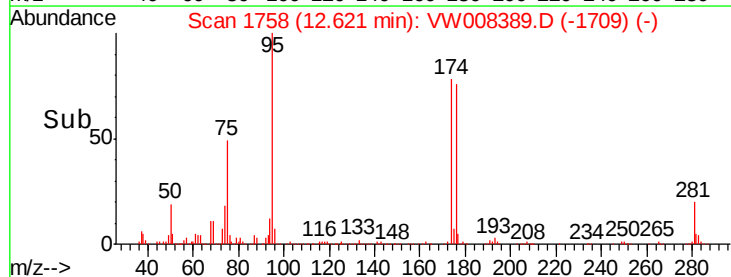
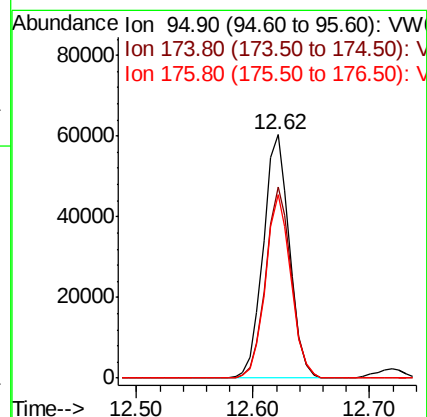
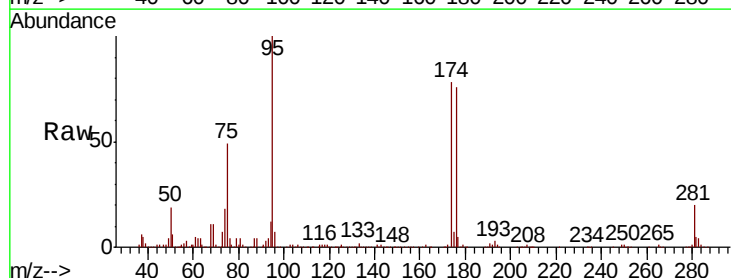
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

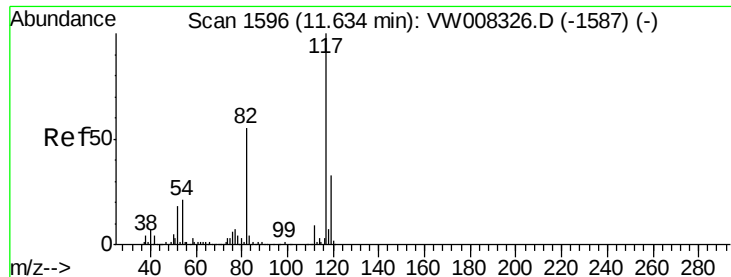
Tgt Ion: 107 Resp: 19610
 Ion Ratio Lower Upper
 107 100
 109 96.9 74.0 111.0



#62
 4-Bromofluorobenzene
 Concen: 58.170 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion: 95 Resp: 94810
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 166.0
 176 73.2 0.0 160.0

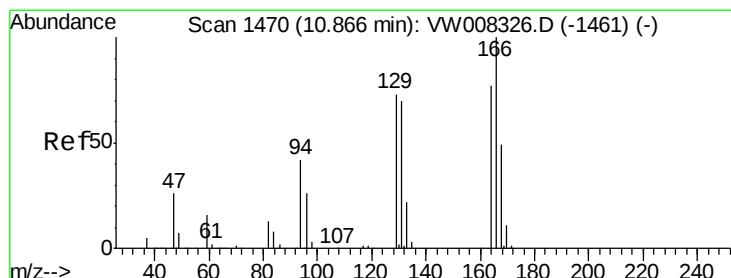
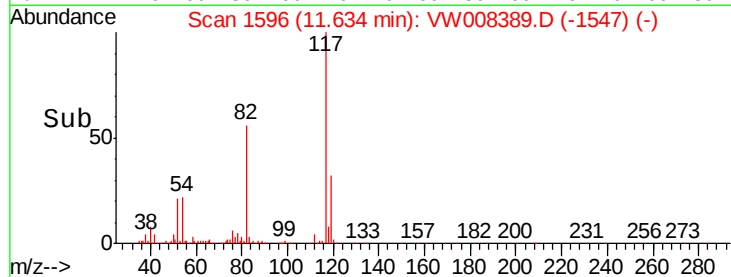
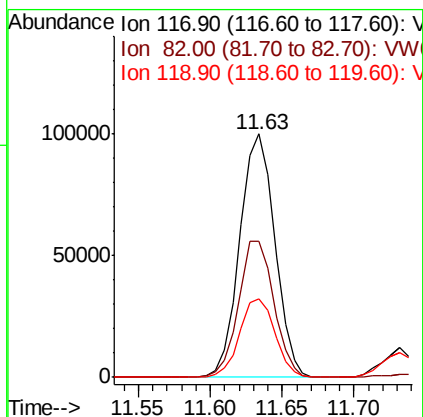
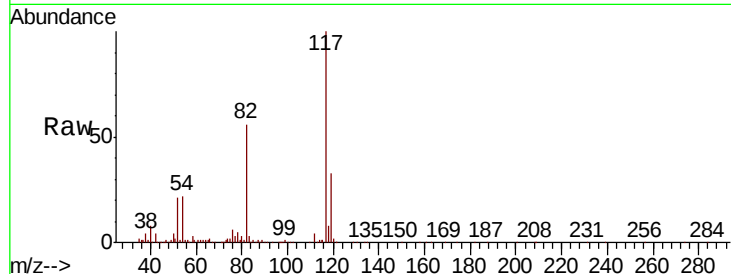




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

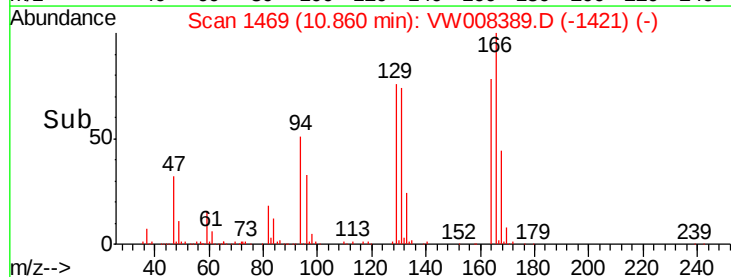
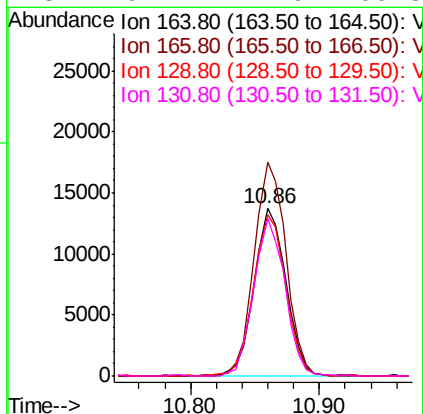
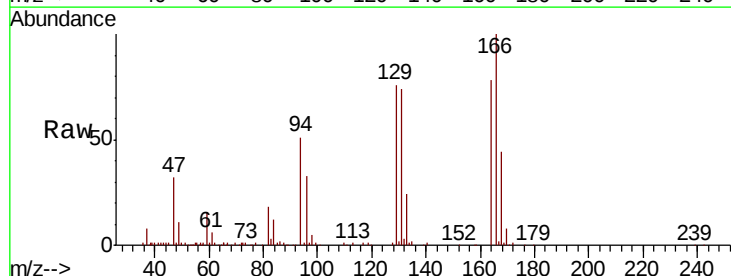
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

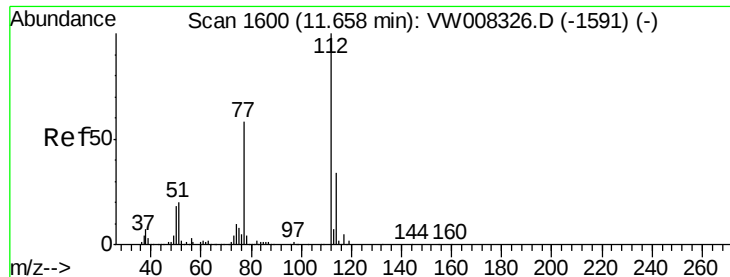
Tgt Ion:117 Resp: 169521
Ion Ratio Lower Upper
117 100
82 55.5 44.3 66.5
119 32.5 26.3 39.5



#64
Tetrachloroethene
Concen: 19.666 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion:164 Resp: 23376
Ion Ratio Lower Upper
164 100
166 127.7 103.4 155.2
129 96.7 75.0 112.6
131 94.4 72.9 109.3

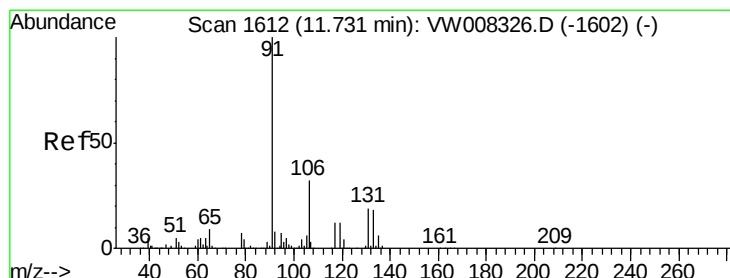
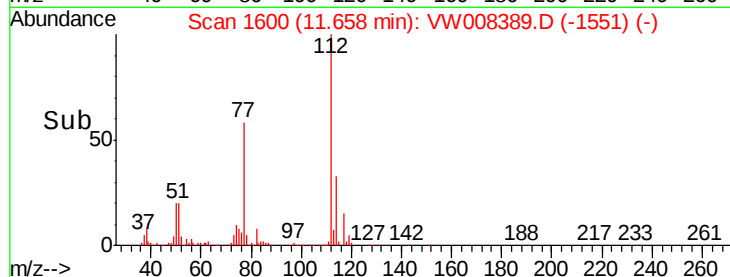
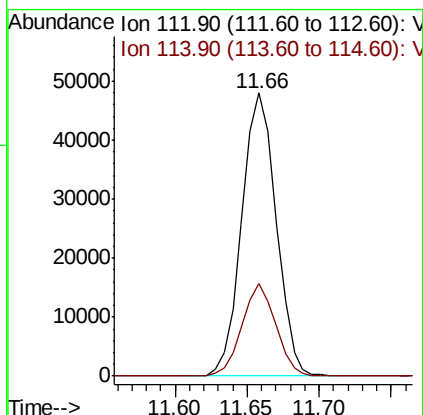
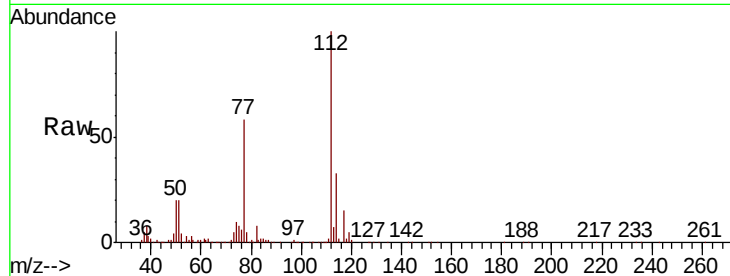




#65
Chlorobenzene
Concen: 21.464 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

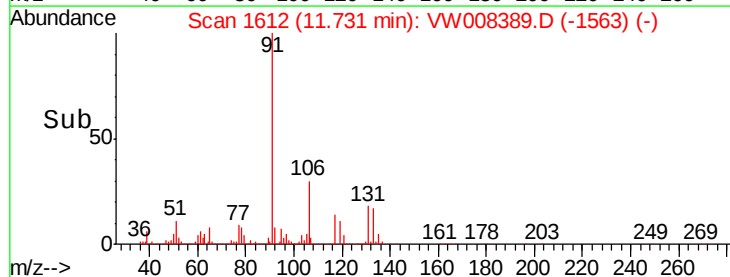
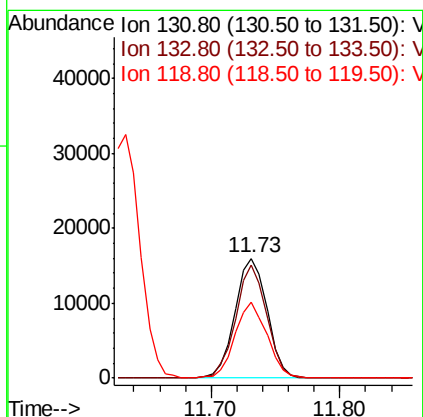
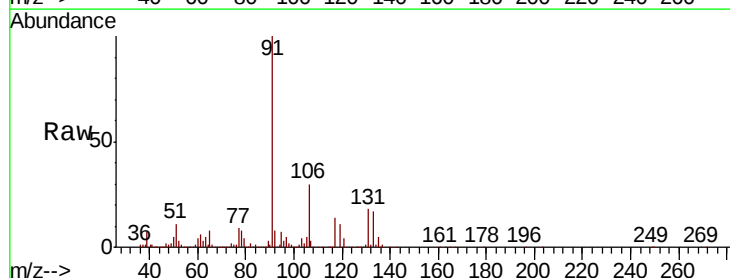
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

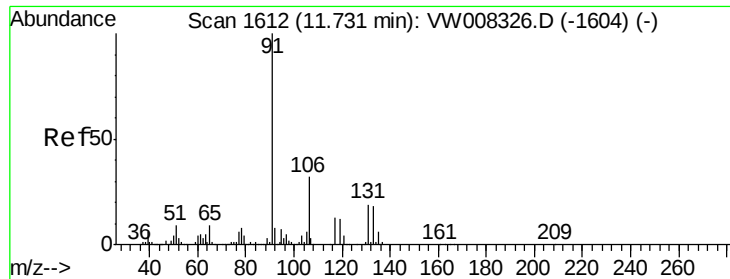
Tgt Ion:112 Resp: 79368
Ion Ratio Lower Upper
112 100
114 32.6 26.9 40.3



#66
1,1,1,2-Tetrachloroethane
Concen: 21.750 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion:131 Resp: 27680
Ion Ratio Lower Upper
131 100
133 90.8 48.2 144.6
119 62.8 31.6 94.7

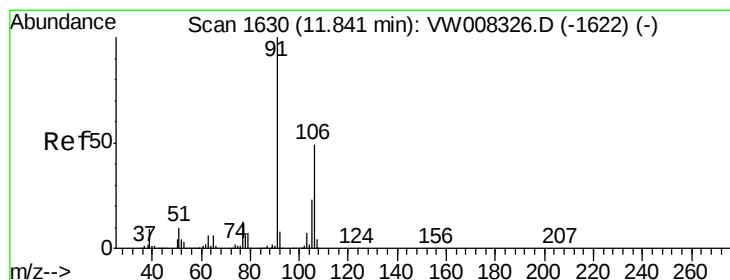
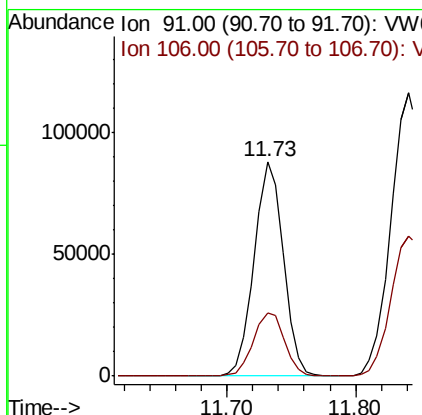
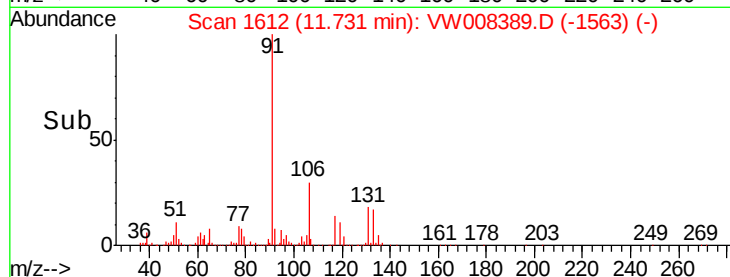
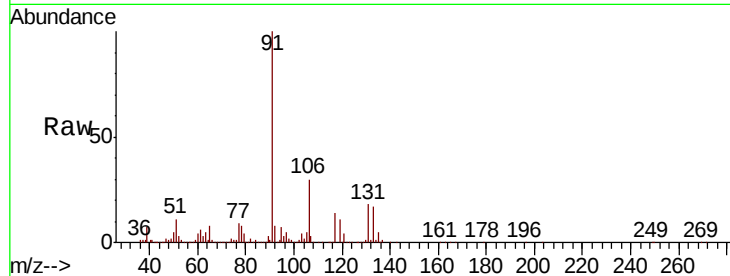




#67
Ethyl Benzene
Concen: 21.468 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

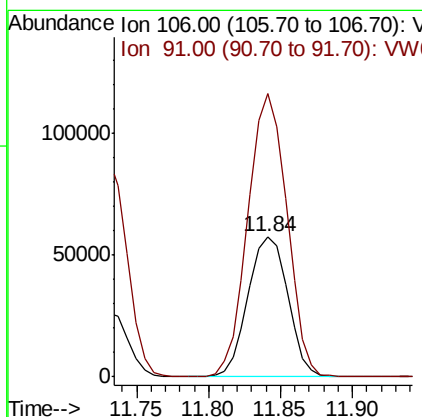
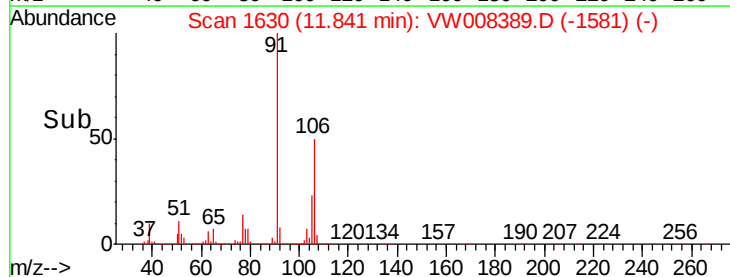
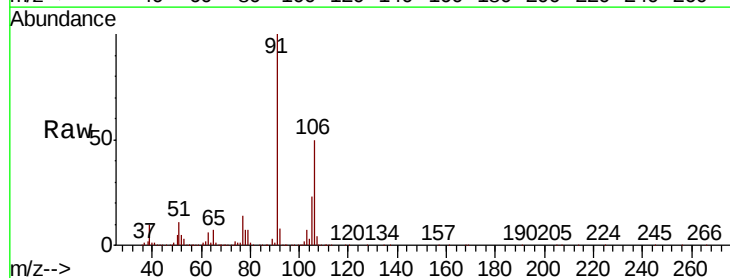
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

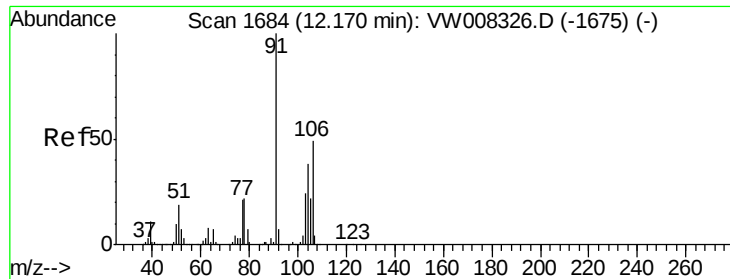
Tgt Ion: 91 Resp: 137834
Ion Ratio Lower Upper
91 100
106 29.6 25.4 38.2



#68
m/p-Xylenes
Concen: 44.211 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 106 Resp: 110175
Ion Ratio Lower Upper
106 100
91 198.0 158.4 237.6

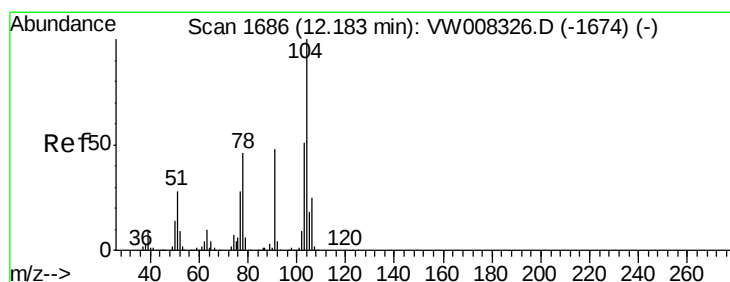
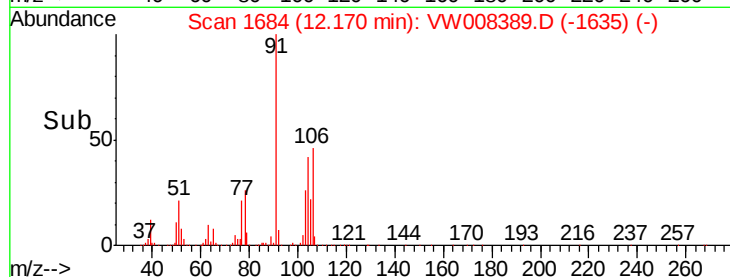
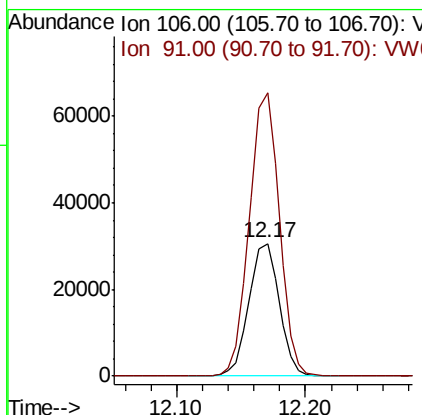
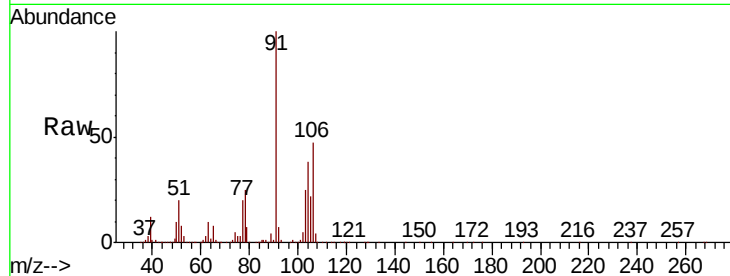




#69
o-Xylene
Concen: 21.391 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

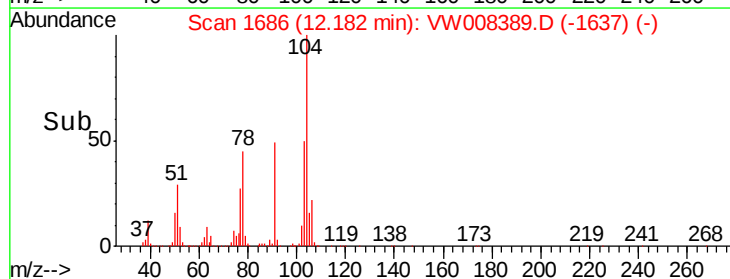
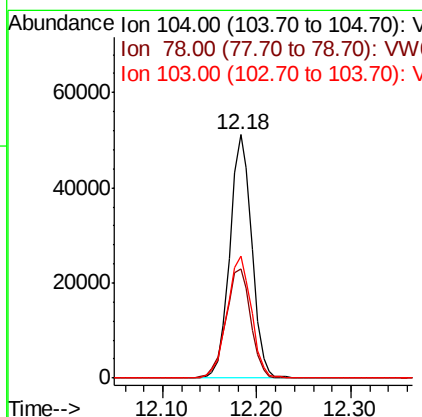
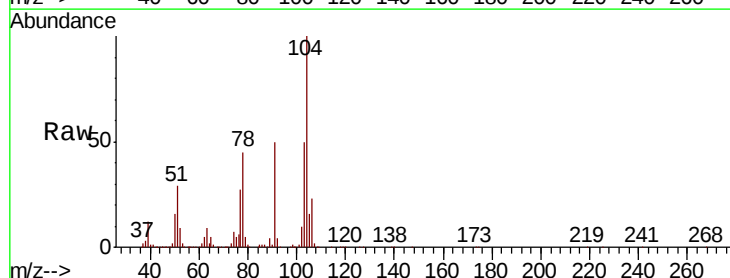
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

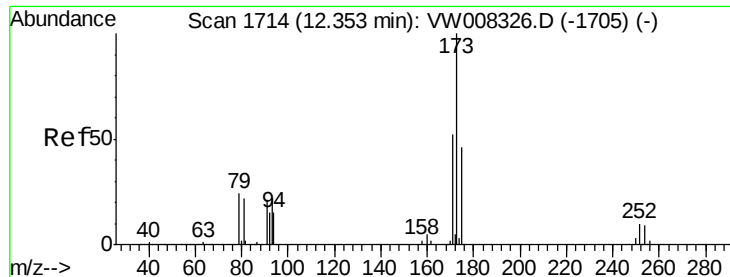
Tgt Ion:106 Resp: 49803
Ion Ratio Lower Upper
106 100
91 210.8 104.1 312.3



#70
Styrene
Concen: 22.169 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion:104 Resp: 82906
Ion Ratio Lower Upper
104 100
78 50.6 39.8 59.6
103 55.1 44.0 66.0





#71

Bromoform

Concen: 21.428 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

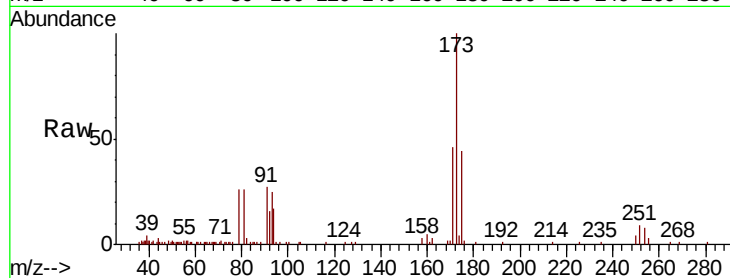
Tgt Ion:173 Resp: 13585

Ion Ratio Lower Upper

173 100

175 48.0 23.6 70.8

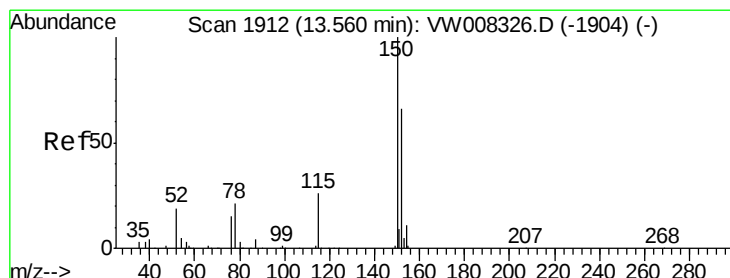
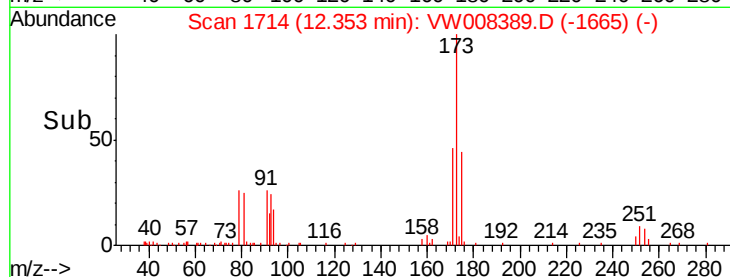
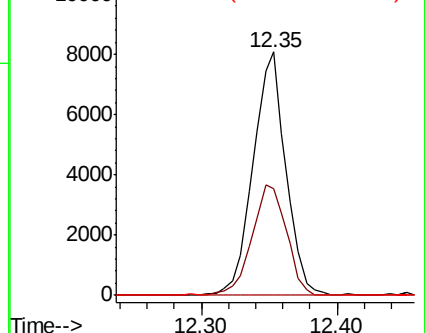
254 0.0 0.2 0.2#



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: VW008389.D

Acq: 22 Jan 2019 15:30

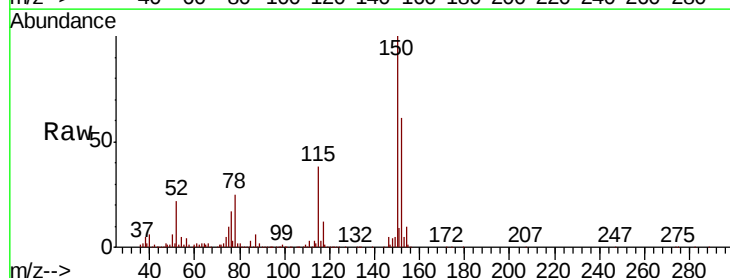
Tgt Ion:152 Resp: 90370

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.4

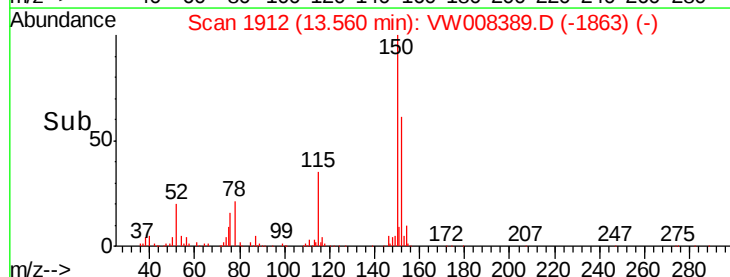
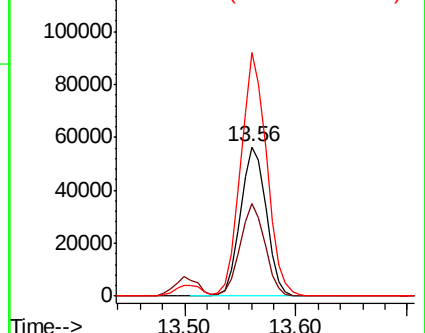
150 164.2 0.0 351.4

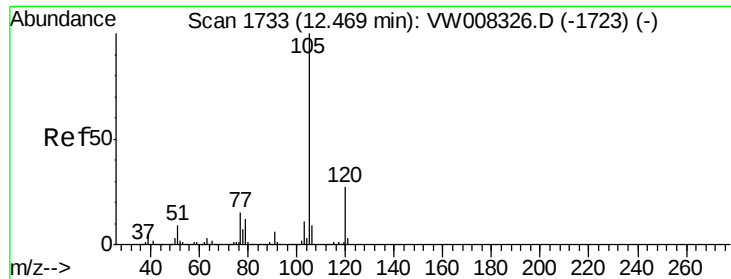


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

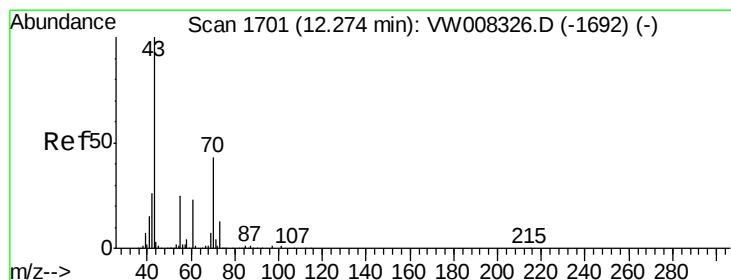
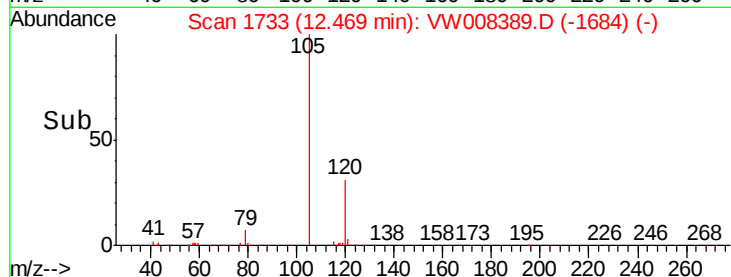
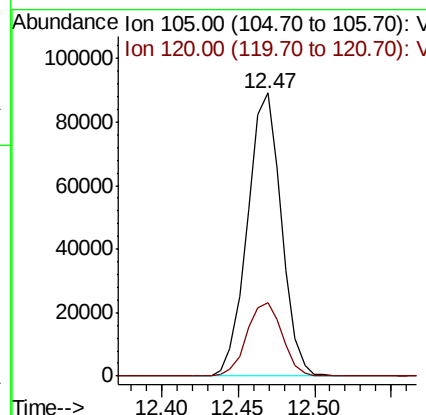
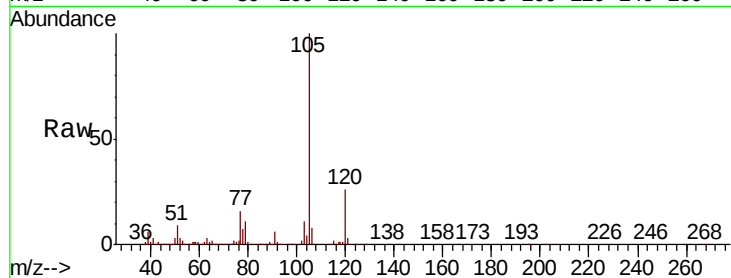




#73
Isopropylbenzene
Concen: 20.864 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

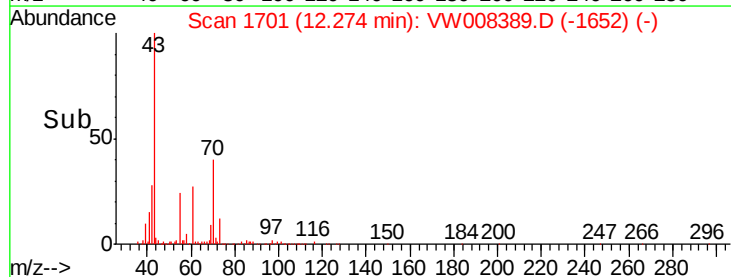
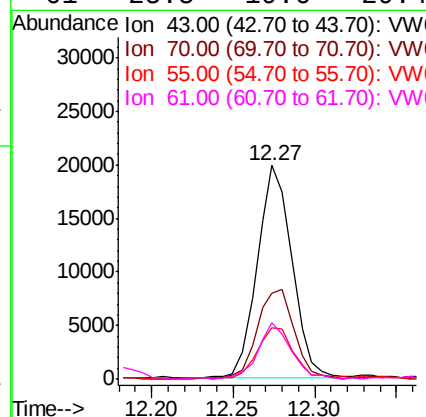
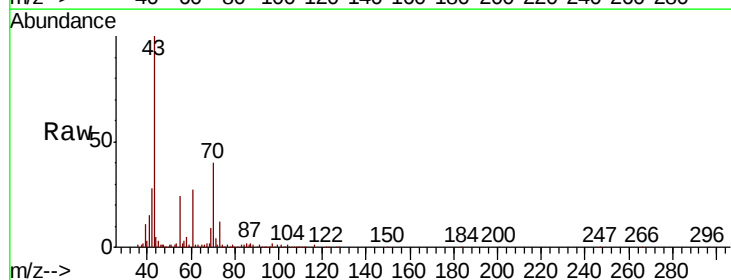
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

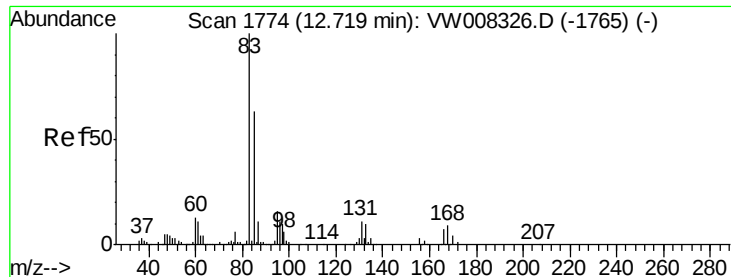
Tgt Ion:105 Resp: 137378
Ion Ratio Lower Upper
105 100
120 27.0 13.6 40.8



#74
N-ethyl acetate
Concen: 20.706 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion: 43 Resp: 29219
Ion Ratio Lower Upper
43 100
70 45.9 34.6 52.0
55 26.7 20.0 30.0
61 25.5 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.979 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

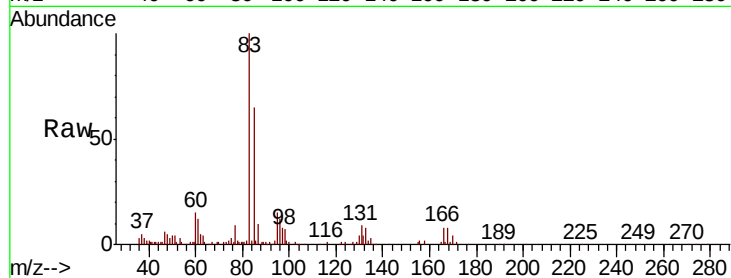
Tgt Ion: 83 Resp: 24616

Ion Ratio Lower Upper

83 100

131 11.2 5.5 16.5

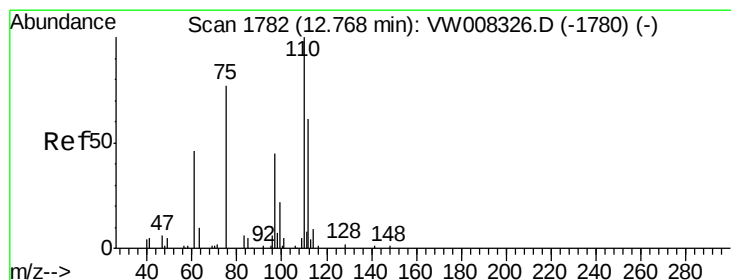
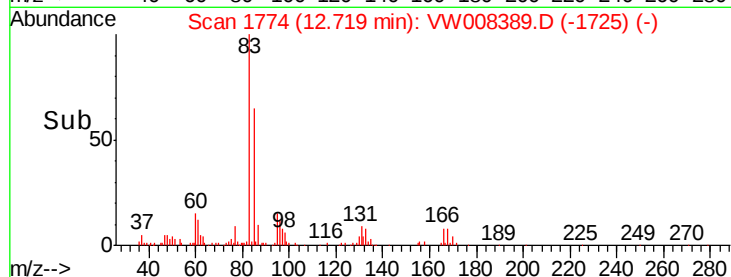
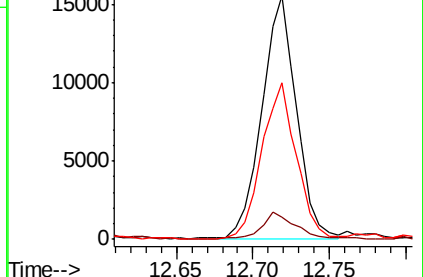
85 64.4 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 39.010 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

Lab File: VW008389.D

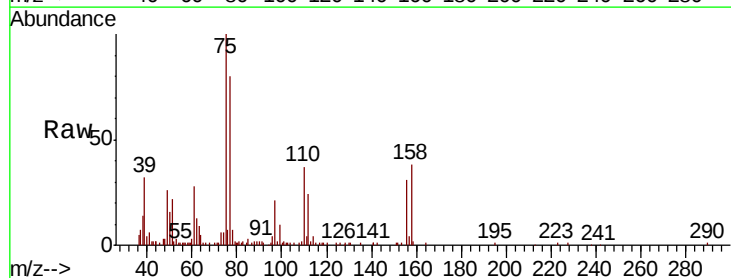
Acq: 22 Jan 2019 15:30

Tgt Ion: 75 Resp: 32104

Ion Ratio Lower Upper

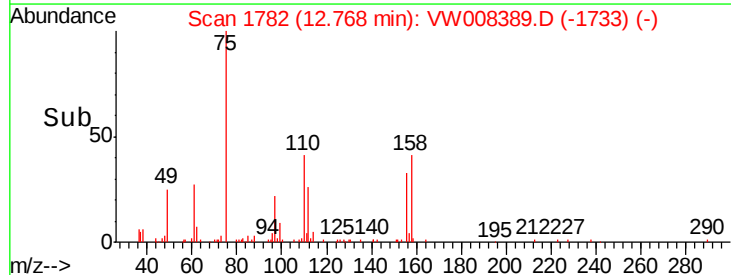
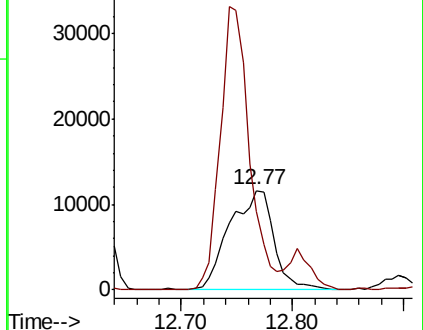
75 100

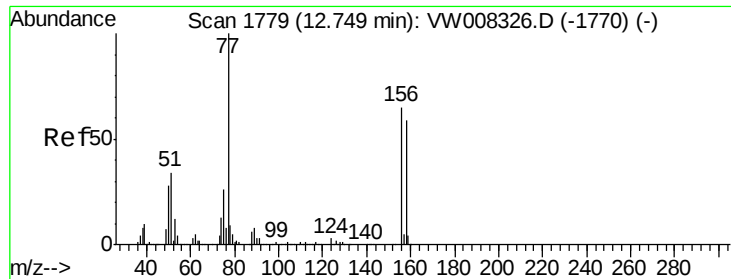
77 0.0 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.276 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

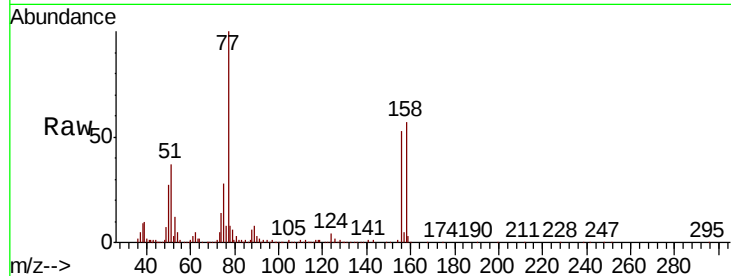
Tgt Ion:156 Resp: 28906

Ion Ratio Lower Upper

156 100

77 208.2 88.3 264.9

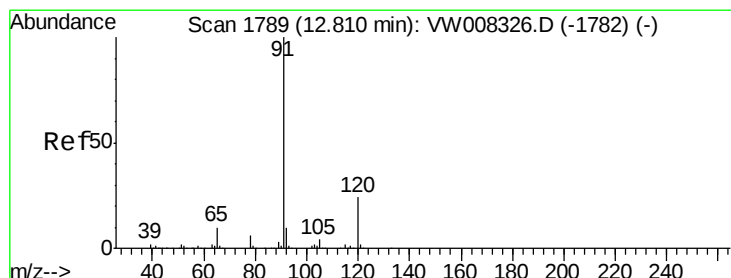
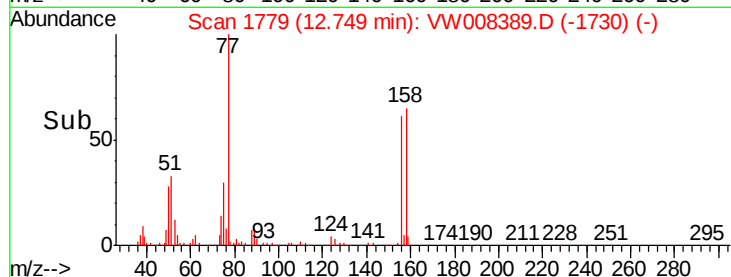
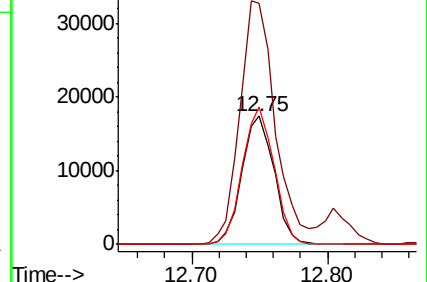
158 105.5 47.6 142.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.861 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VW008389.D

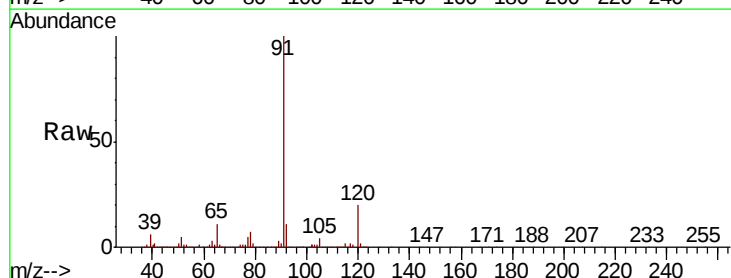
Acq: 22 Jan 2019 15:30

Tgt Ion: 91 Resp: 166260

Ion Ratio Lower Upper

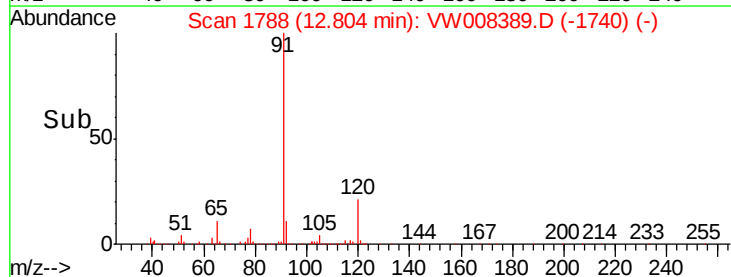
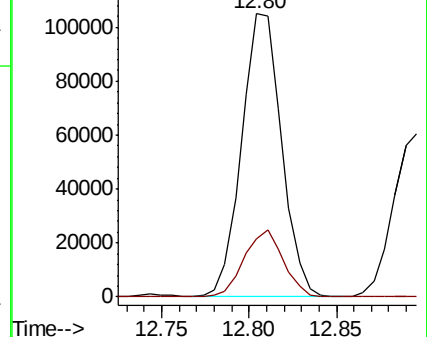
91 100

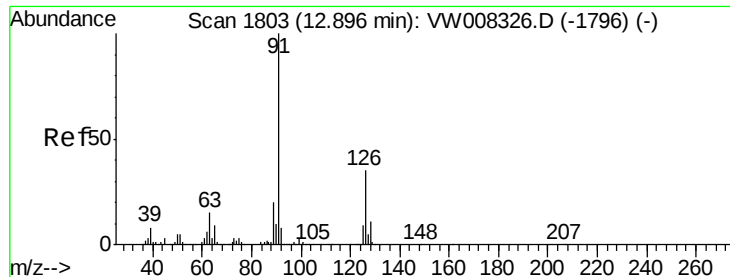
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.370 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

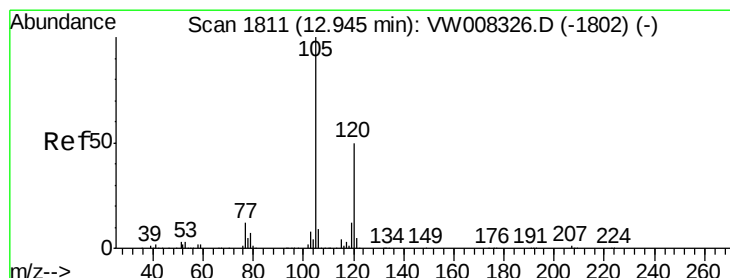
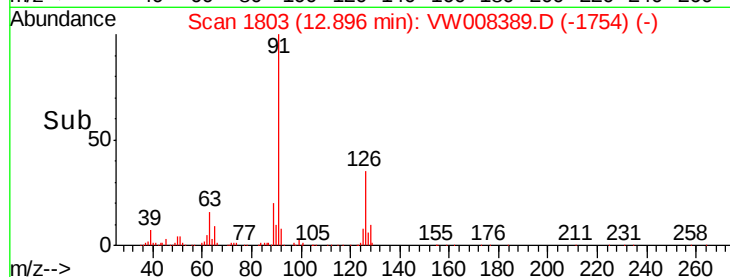
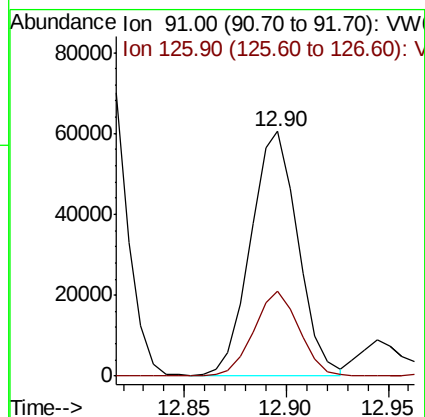
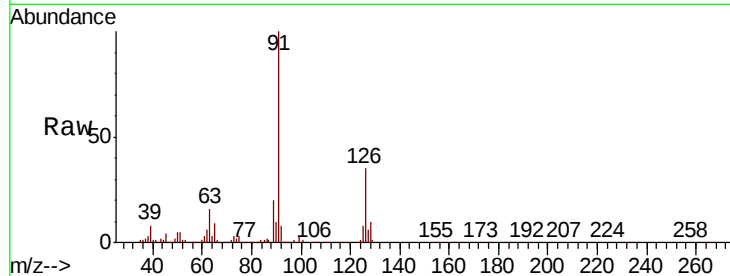
VW0122SBSD01

Tgt Ion: 91 Resp: 97310

Ion Ratio Lower Upper

91 100

126 33.8 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 21.546 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW008389.D

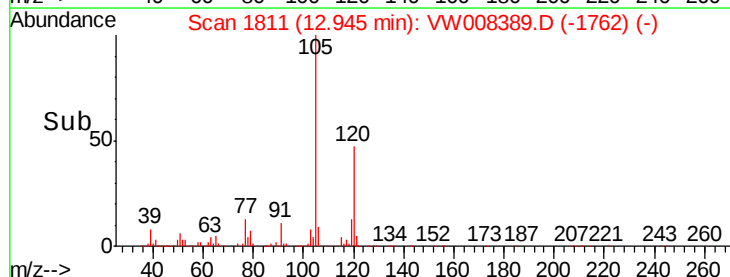
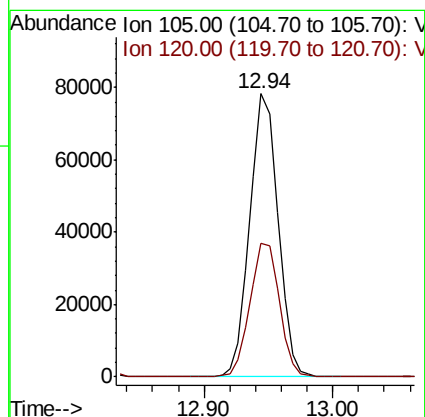
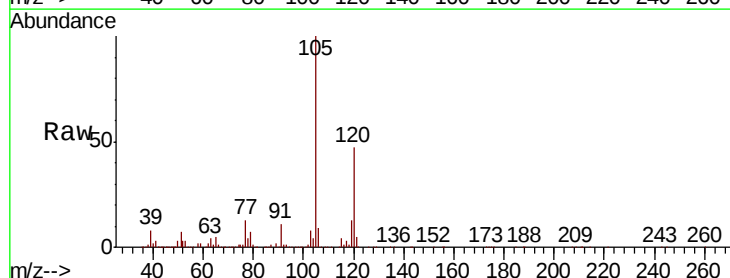
Acq: 22 Jan 2019 15:30

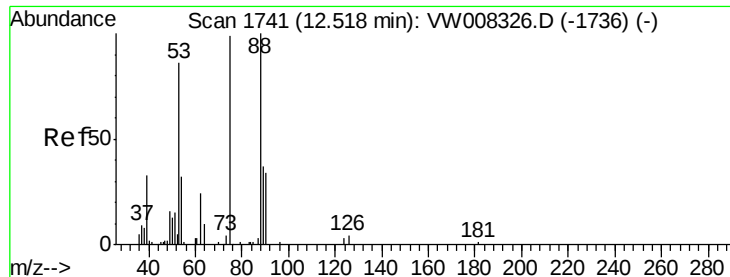
Tgt Ion: 105 Resp: 118387

Ion Ratio Lower Upper

105 100

120 49.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.777 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

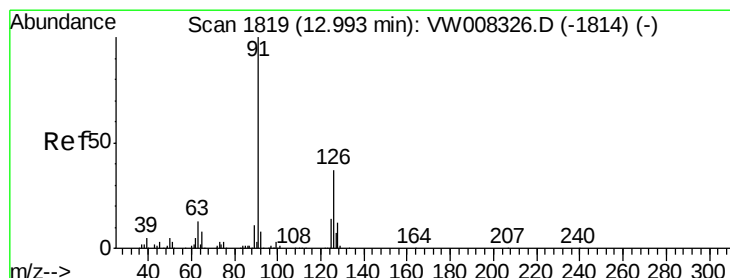
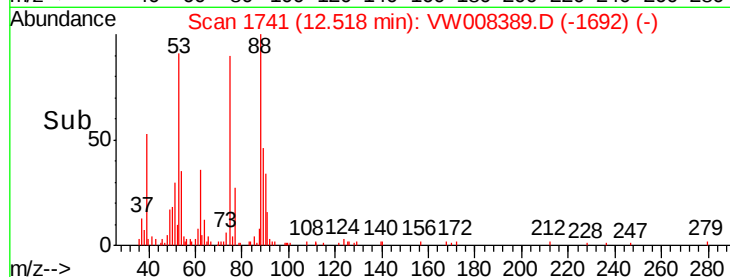
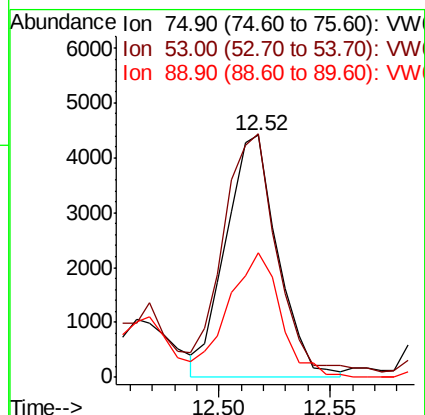
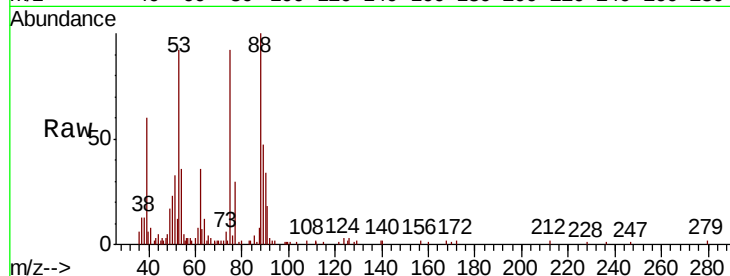
Tgt Ion: 75 Resp: 7165

Ion Ratio Lower Upper

75 100

53 102.1 76.2 114.4

89 52.1 36.7 55.1



#82

4-Chlorotoluene

Concen: 21.485 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008389.D

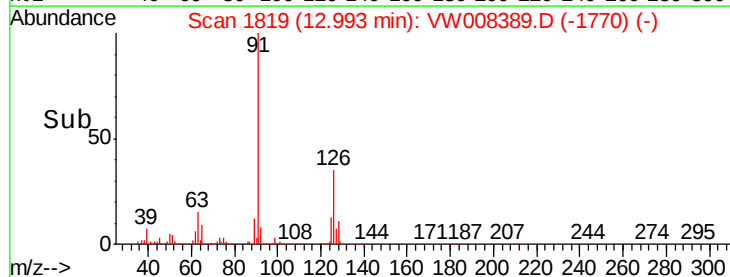
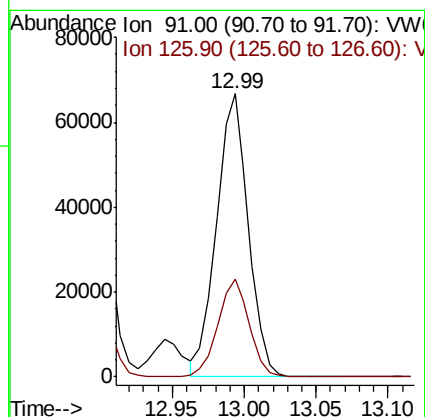
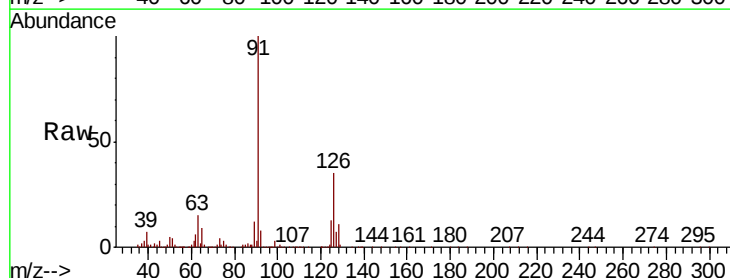
Acq: 22 Jan 2019 15:30

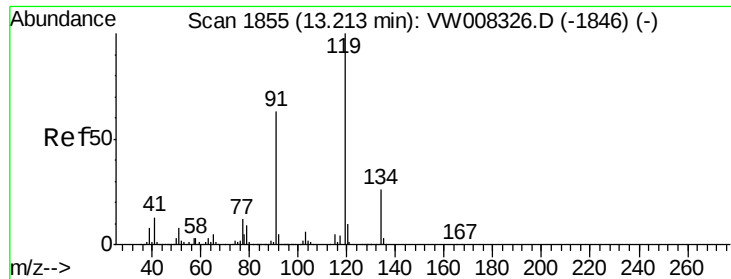
Tgt Ion: 91 Resp: 102233

Ion Ratio Lower Upper

91 100

126 34.2 17.8 53.3

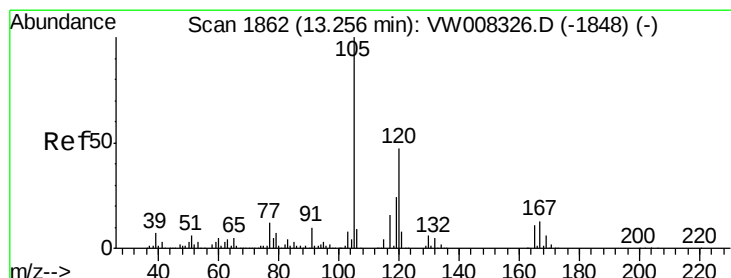
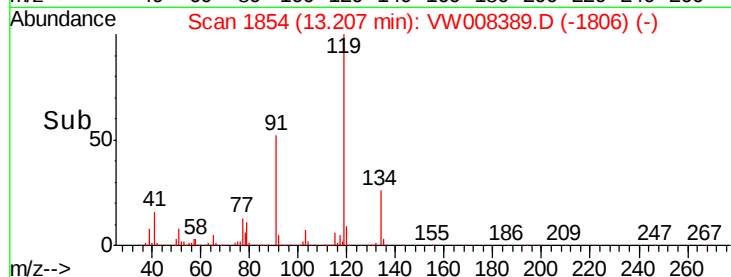
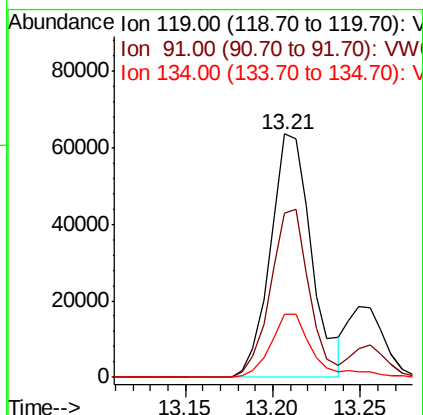
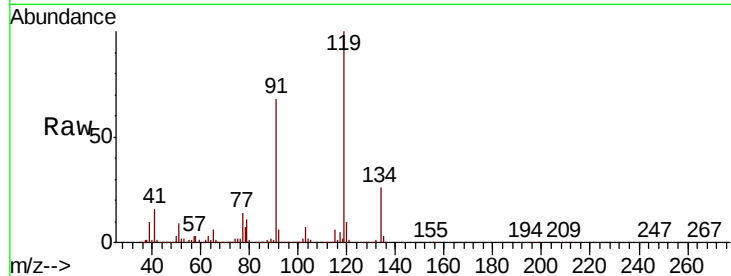




#83
 tert-Butylbenzene
 Concen: 21.490 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

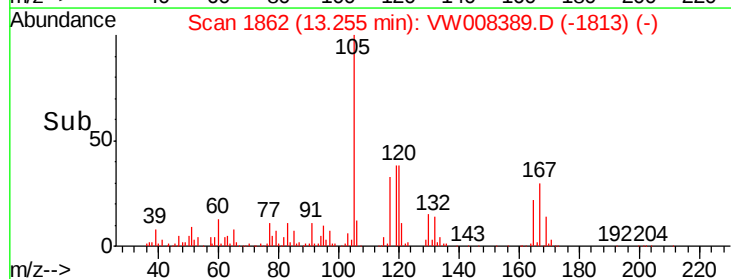
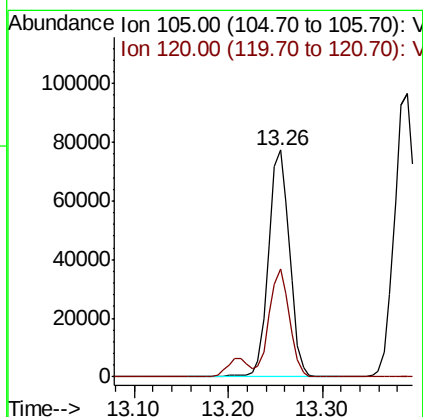
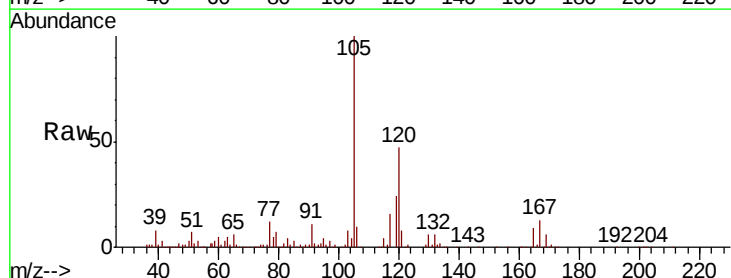
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

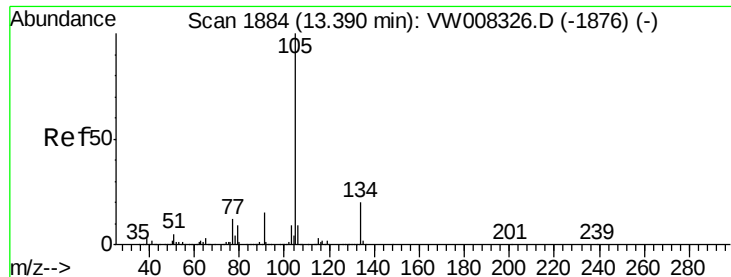
Tgt Ion:119 Resp: 103929
 Ion Ratio Lower Upper
 119 100
 91 65.1 32.4 97.0
 134 26.8 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 21.694 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion:105 Resp: 121432
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.5 70.6

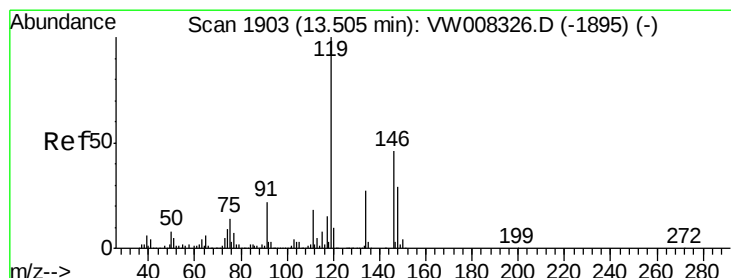
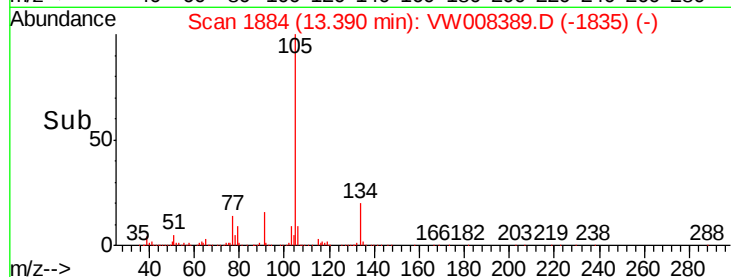
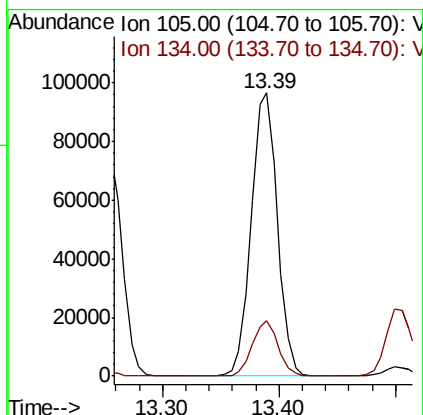
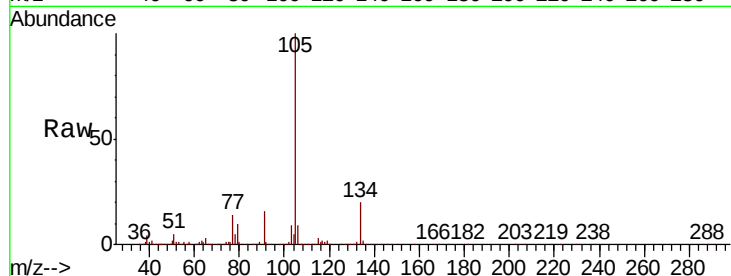




#85
 sec-Butylbenzene
 Concen: 21.793 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

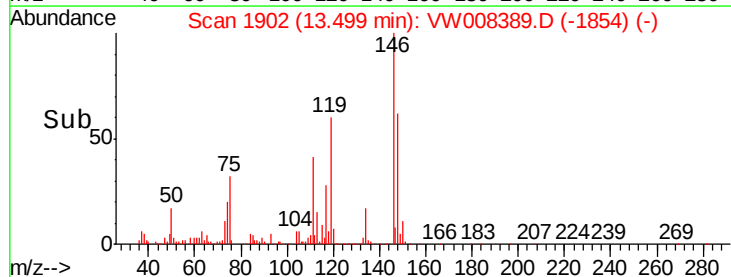
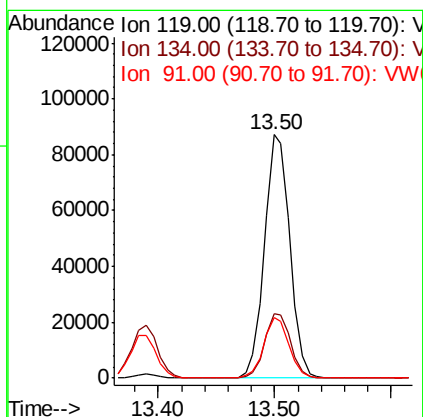
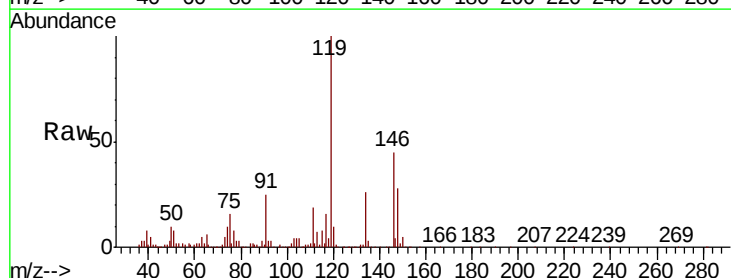
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

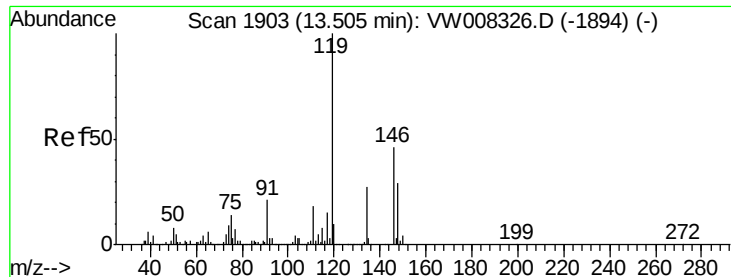
Tgt Ion:105 Resp: 151322
 Ion Ratio Lower Upper
 105 100
 134 19.5 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 21.814 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion:119 Resp: 132291
 Ion Ratio Lower Upper
 119 100
 134 26.9 13.7 41.0
 91 24.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 20.981 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

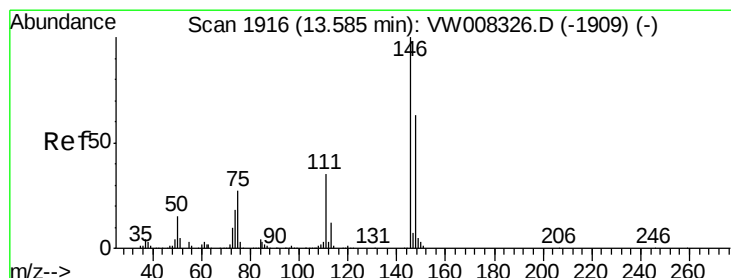
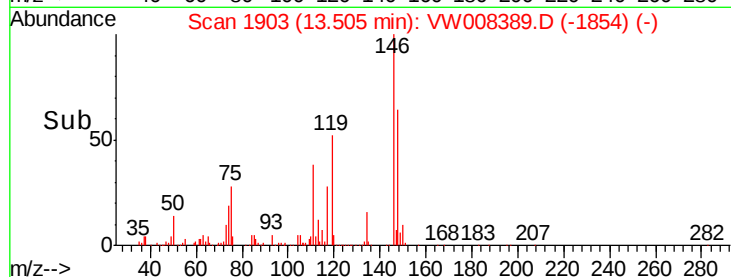
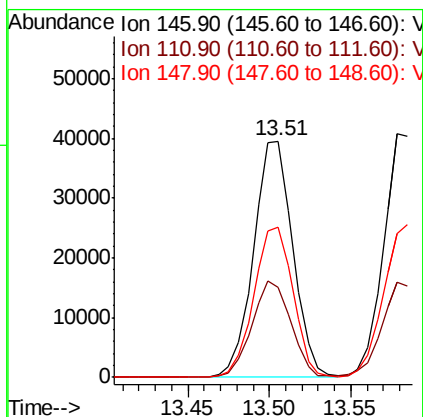
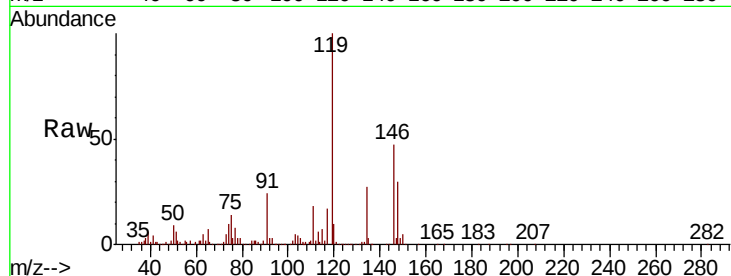
Tgt Ion:146 Resp: 65934

Ion Ratio Lower Upper

146 100

111 40.6 19.9 59.7

148 63.2 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 20.902 ug/l

RT: 13.58 min Scan# 1915

Delta R.T. -0.01 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

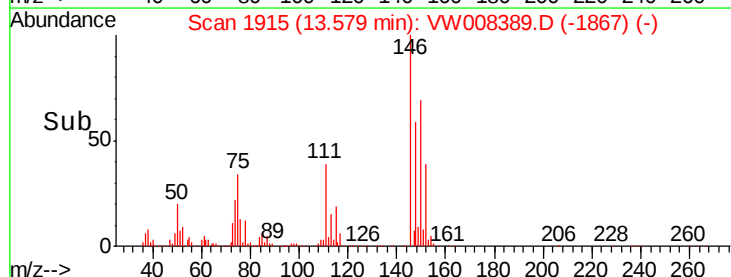
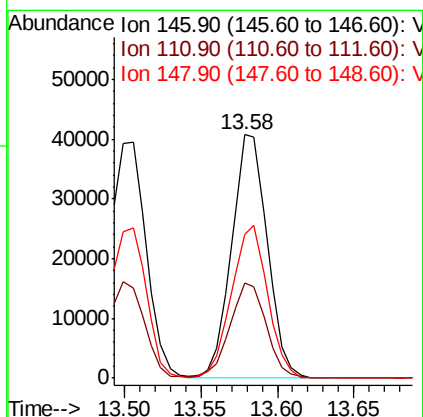
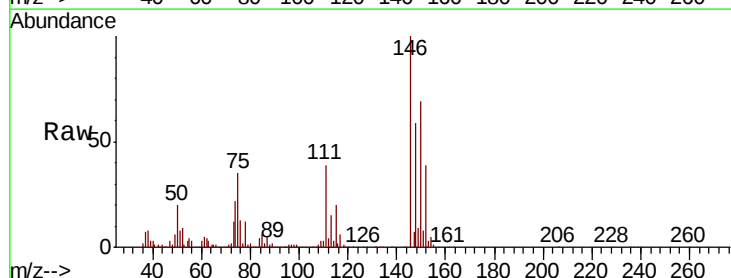
Tgt Ion:146 Resp: 65806

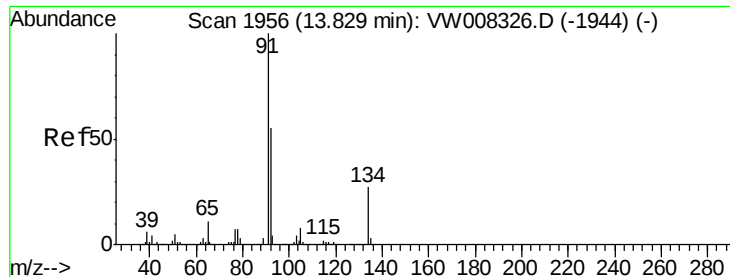
Ion Ratio Lower Upper

146 100

111 40.2 18.9 56.5

148 63.5 31.6 94.8





#89

n-Butylbenzene

Concen: 21.990 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

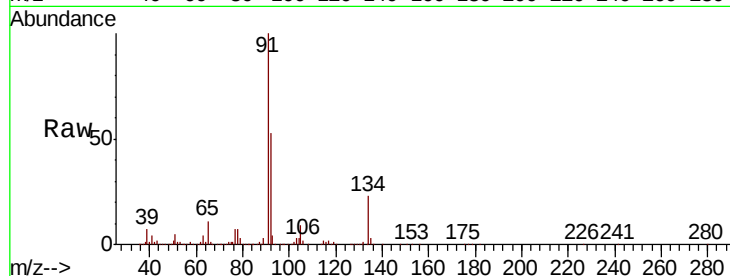
Tgt Ion: 91 Resp: 127921

Ion Ratio Lower Upper

91 100

92 53.8 27.2 81.6

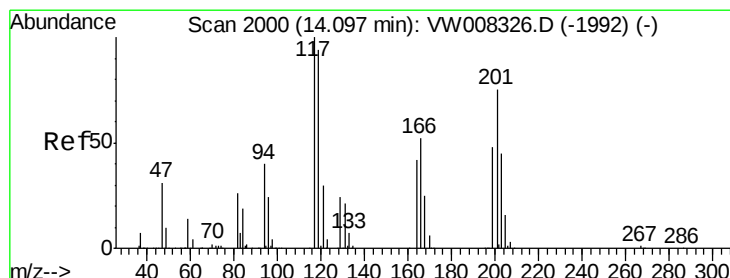
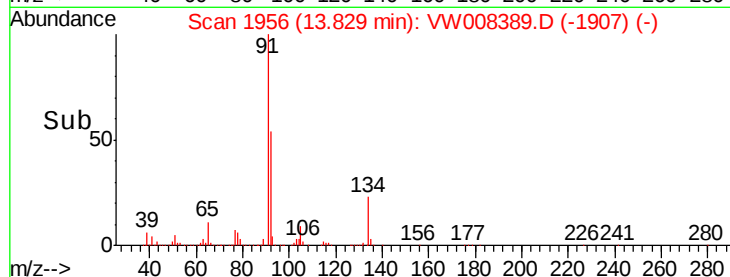
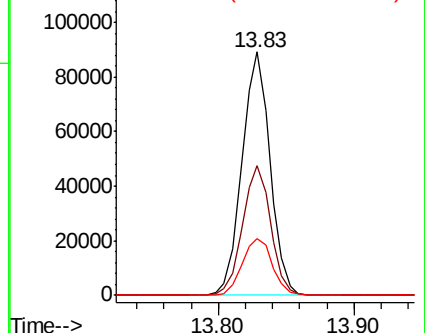
134 25.0 13.4 40.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.766 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW008389.D

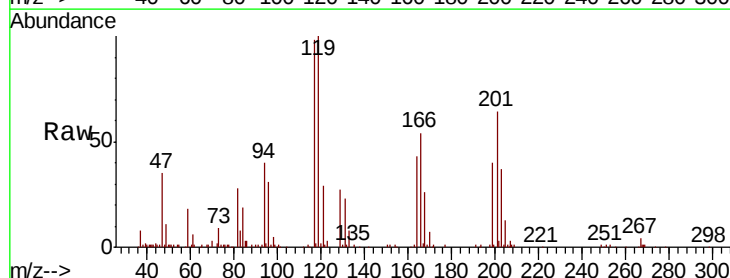
Acq: 22 Jan 2019 15:30

Tgt Ion: 117 Resp: 24429

Ion Ratio Lower Upper

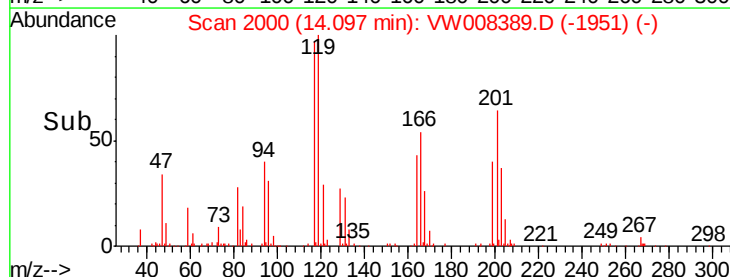
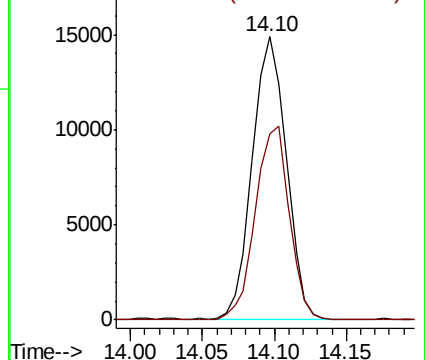
117 100

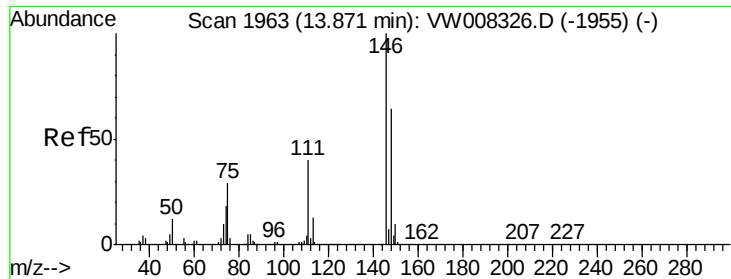
201 67.9 39.3 117.9



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 21.125 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

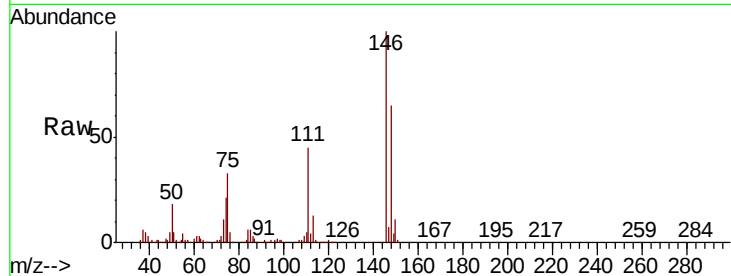
Tgt Ion:146 Resp: 58612

Ion Ratio Lower Upper

146 100

111 43.1 19.6 58.8

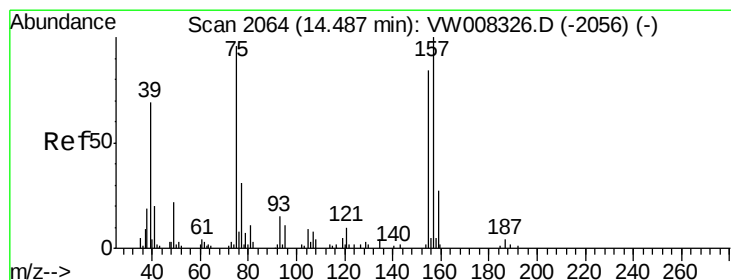
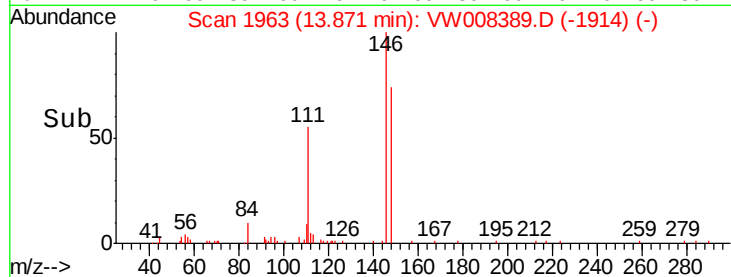
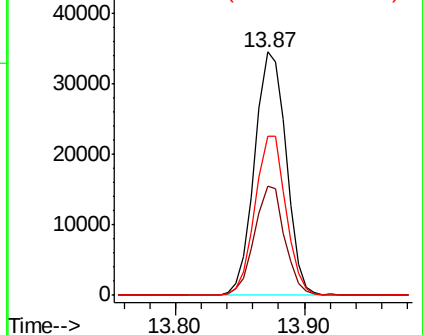
148 63.9 31.7 95.1



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: 23.425 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW008389.D

Acq: 22 Jan 2019 15:30

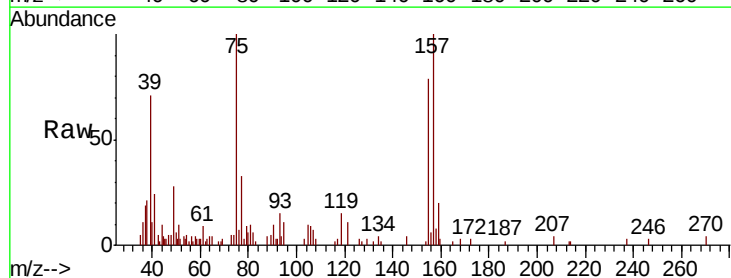
Tgt Ion: 75 Resp: 4290

Ion Ratio Lower Upper

75 100

155 80.6 44.7 134.1

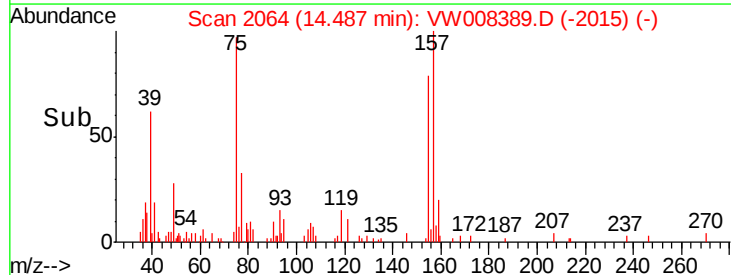
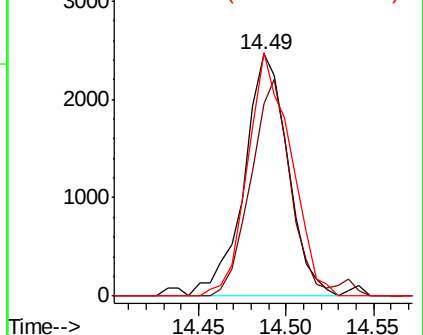
157 99.3 53.9 161.8

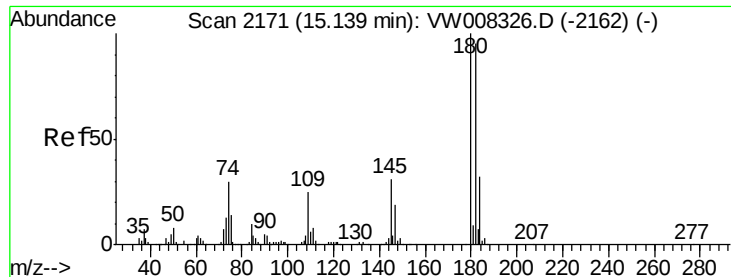


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

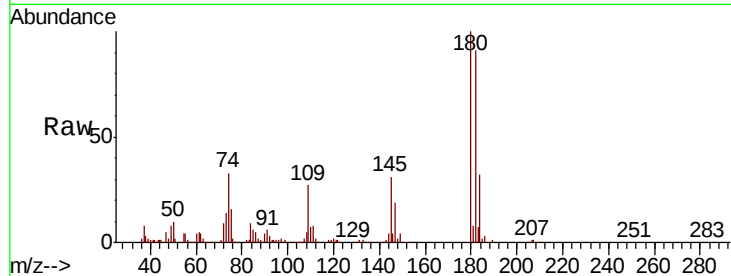




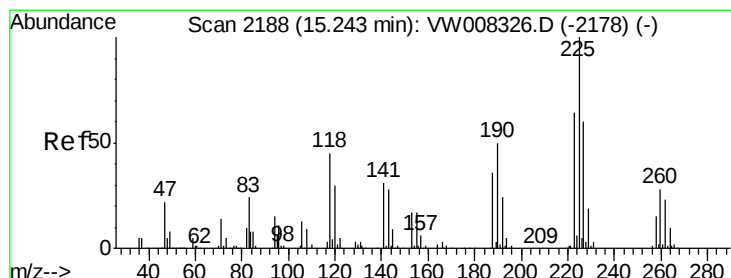
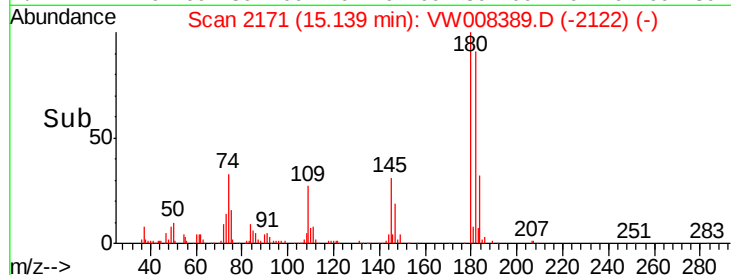
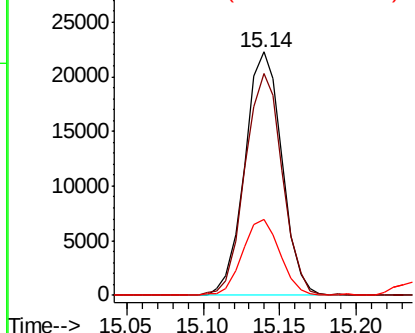
#93
 1,2,4-Trichlorobenzene
 Concen: 20.034 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tgt Ion:180 Resp: 37627
 Ion Ratio Lower Upper
 180 100
 182 91.4 47.6 142.8
 145 31.4 14.8 44.4

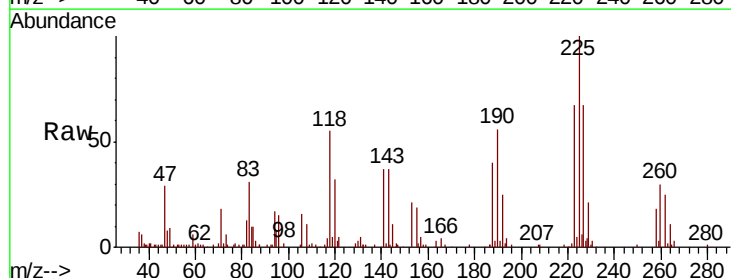


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

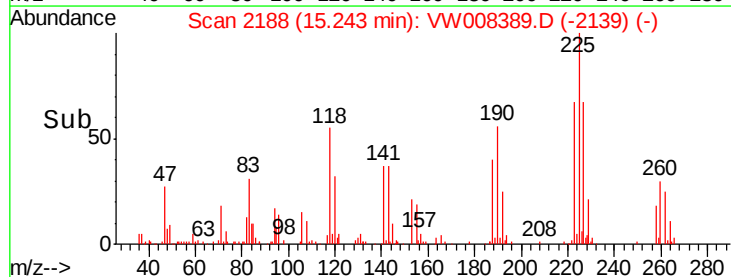
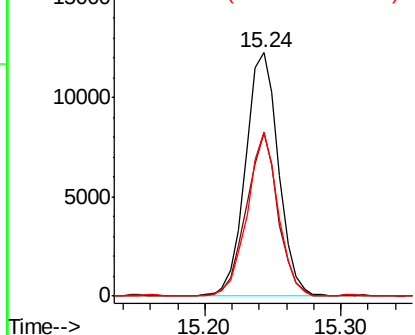


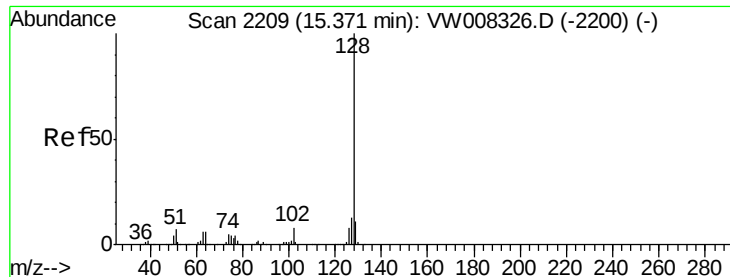
#94
 Hexachlorobutadiene
 Concen: 19.682 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW008389.D
 Acq: 22 Jan 2019 15:30

Tgt Ion:225 Resp: 20833
 Ion Ratio Lower Upper
 225 100
 223 64.0 31.1 93.3
 227 62.7 30.3 90.8



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

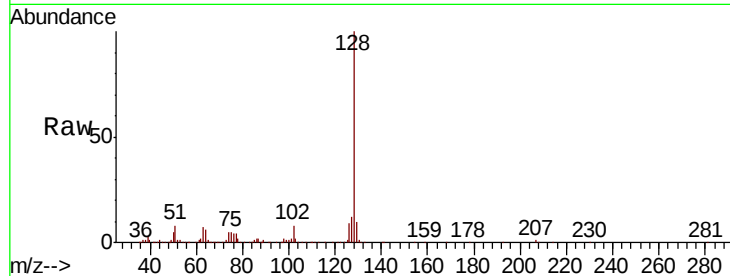




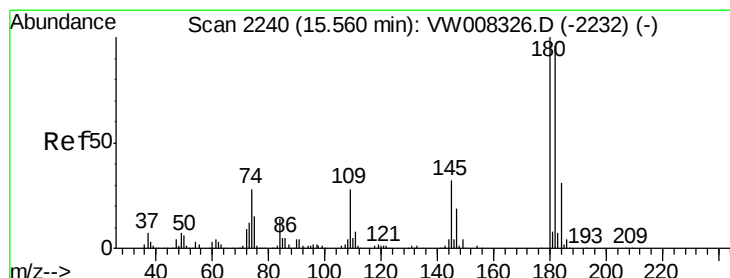
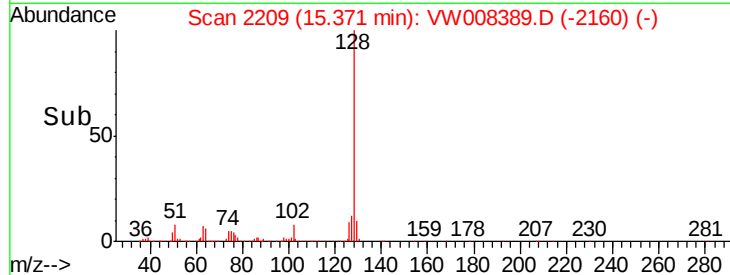
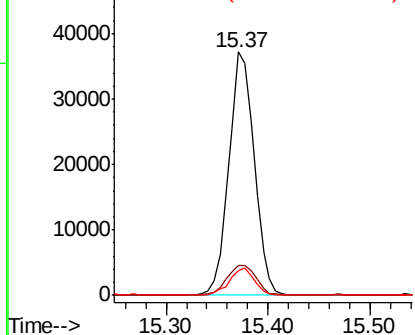
#95
Naphthalene
Concen: 19.912 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tgt Ion:128 Resp: 63970
Ion Ratio Lower Upper
128 100
127 14.3 10.5 15.7
129 11.2 8.8 13.2

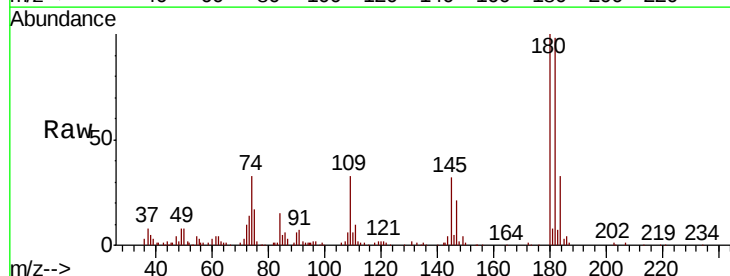


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.129 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW008389.D
Acq: 22 Jan 2019 15:30

Tgt Ion:180 Resp: 32930
Ion Ratio Lower Upper
180 100
182 93.5 47.3 141.9
145 33.2 16.2 48.6



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

