

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
 Data File : VW008391.D
 Acq On : 22 Jan 2019 16:22
 Operator : SY/VA
 Sample : VW0122SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Quant Time: Jan 23 00:43:13 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	112180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	193741	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	183063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	93680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	59329	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.88	113	59613	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
50) Toluene-d8	10.32	98	254197	52.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.64%	
62) 4-Bromofluorobenzene	12.62	95	87365	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	14643	20.716	ug/l	97
3) Chloromethane	2.21	50	20542	19.825	ug/l	95
4) Vinyl Chloride	2.37	62	28945	21.863	ug/l	94
5) Bromomethane	2.78	94	23261	23.184	ug/l	96
6) Chloroethane	2.93	64	20121	23.219	ug/l	99
7) Trichlorofluoromethane	3.25	101	23892	24.578	ug/l	92
8) Diethyl Ether	3.67	74	14120	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	21713	19.185	ug/l	95
10) Methyl Iodide	4.26	142	29345	16.077	ug/l	98
11) Tert butyl alcohol	5.19	59	6306	80.260	ug/l #	81
12) 1,1-Dichloroethene	4.03	96	21199	18.417	ug/l	92
13) Acrolein	3.90	56	4547	61.917	ug/l	95
14) Allyl chloride	4.66	41	36764	19.105	ug/l	98
15) Acrylonitrile	5.37	53	22879	88.357	ug/l	93
16) Acetone	4.12	43	25137	92.755	ug/l	97
17) Carbon Disulfide	4.37	76	58262	16.634	ug/l	99
18) Methyl Acetate	4.67	43	14181	19.589	ug/l #	90
19) Methyl tert-butyl Ether	5.43	73	33193	18.838	ug/l	97
20) Methylene Chloride	4.90	84	26916	19.221	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	24913	19.271	ug/l	96
22) Diisopropyl ether	6.31	45	76521	20.368	ug/l #	96
23) Vinyl Acetate	6.26	43	191464	95.341	ug/l	97
24) 1,1-Dichloroethane	6.21	63	47326	20.689	ug/l #	97
25) 2-Butanone	7.17	43	32412	93.379	ug/l	98
26) 2,2-Dichloropropane	7.16	77	30311	20.764	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	26664	19.036	ug/l	94
28) Bromochloromethane	7.51	49	19654	20.855	ug/l #	100
29) Tetrahydrofuran	7.52	42	19809	91.543	ug/l	98
30) Chloroform	7.67	83	46471	20.533	ug/l	95
31) Cyclohexane	7.95	56	43543	19.979	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	39252	20.665	ug/l	98
36) 1,1-Dichloropropene	8.08	75	37273	19.122	ug/l	99
37) Ethyl Acetate	7.26	43	13136	16.342	ug/l	98
38) Carbon Tetrachloride	8.06	117	36134	18.773	ug/l #	96

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 VW0122SBSD01

Quant Time: Jan 23 00:43:13 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)
39) Methylcyclohexane	9.34	83	44102	19.021	ug/l	97
40) Benzene	8.32	78	106865	19.354	ug/l	96
41) Methacrylonitrile	7.48	41	7811	16.693	ug/l	94
42) 1,2-Dichloroethane	8.40	62	29080	18.835	ug/l	98
43) Isopropyl Acetate	8.42	43	26798	17.650	ug/l	98
44) Trichloroethene	9.09	130	27645	18.275	ug/l	96
45) 1,2-Dichloropropane	9.37	63	27077	19.742	ug/l	100
46) Dibromomethane	9.46	93	13082	18.301	ug/l	92
47) Bromodichloromethane	9.65	83	34637	19.644	ug/l	99
48) Methyl methacrylate	9.43	41	13266	18.560	ug/l	96
49) 1,4-Dioxane	9.46	88	4099	356.210	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	69369	90.228	ug/l	97
52) Toluene	10.39	92	69268	19.824	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	33074	18.794	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	39520	19.050	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	19056	19.220	ug/l	93
56) Ethyl methacrylate	10.65	69	20665	17.748	ug/l	99
57) 1,3-Dichloropropane	10.93	76	32398	18.820	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	56253	100.157	ug/l	98
59) 2-Hexanone	10.97	43	49377	91.663	ug/l	98
60) Dibromochloromethane	11.13	129	21652	18.298	ug/l	99
61) 1,2-Dibromoethane	11.24	107	17305	18.025	ug/l	98
64) Tetrachloroethene	10.87	164	22515	17.540	ug/l	94
65) Chlorobenzene	11.66	112	74977	18.777	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	24988	18.182	ug/l	98
67) Ethyl Benzene	11.73	91	131808	19.011	ug/l	100
68) m/p-Xylenes	11.84	106	105403	39.168	ug/l	99
69) o-Xylene	12.17	106	47954	19.073	ug/l	99
70) Styrene	12.18	104	77972	19.308	ug/l	99
71) Bromoform	12.35	173	11995	17.521	ug/l #	99
73) Isopropylbenzene	12.47	105	136146	19.946	ug/l	100
74) N-amyl acetate	12.27	43	24283	16.600	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	21255	18.307	ug/l	95
76) 1,2,3-Trichloropropane	12.77	75	27436	32.160	ug/l #	1
77) Bromobenzene	12.75	156	29548	18.022	ug/l	95
78) n-propylbenzene	12.81	91	165320	20.010	ug/l	99
79) 2-Chlorotoluene	12.90	91	91512	19.386	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	114151	20.041	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	6255	17.497	ug/l	93
82) 4-Chlorotoluene	12.99	91	98528	19.974	ug/l	99
83) tert-Butylbenzene	13.21	119	99520	19.851	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	117513	20.252	ug/l	99
85) sec-Butylbenzene	13.39	105	147490	20.491	ug/l	100
86) p-Isopropyltoluene	13.51	119	128739	20.478	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	62973	19.331	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	62498	19.150	ug/l	98
89) n-Butylbenzene	13.83	91	126117	20.914	ug/l	99
90) Hexachloroethane	14.10	117	23523	20.219	ug/l	85
91) 1,2-Dichlorobenzene	13.87	146	54501	18.949	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.48	75	3448	18.162	ug/l	86

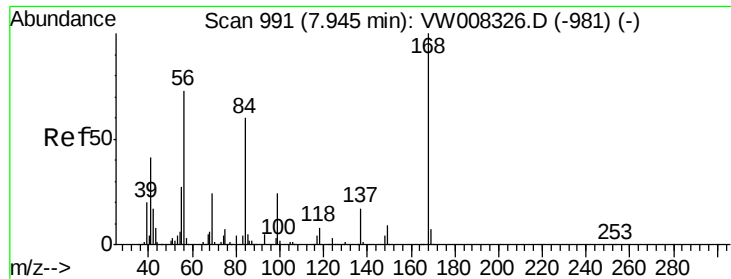
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW012219\
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Sample : VW0122SBSD01
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Quant Title : SW846 8260
QLast Update : Fri Jan 18 00:57:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	32990	16.944	ug/l	95
94) Hexachlorobutadiene	15.24	225	19470	17.744	ug/l	97
95) Naphthalene	15.38	128	55132	16.947	ug/l	98
96) 1,2,3-Trichlorobenzene	15.56	180	29018	17.111	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

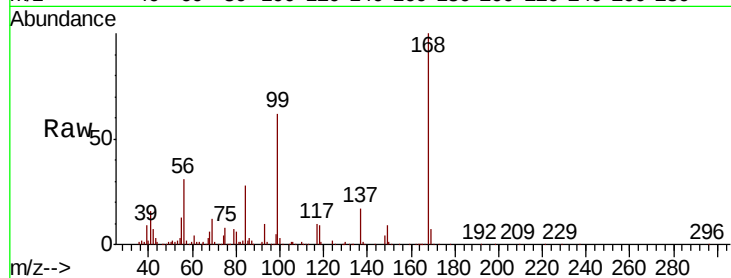
VW0122SBSD01

Tgt Ion:168 Resp: 112180

Ion Ratio Lower Upper

168 100

99 62.2 44.6 66.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

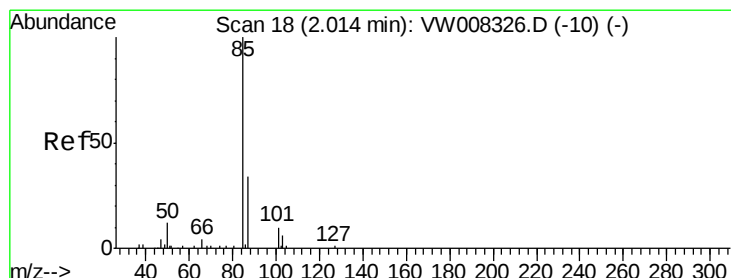
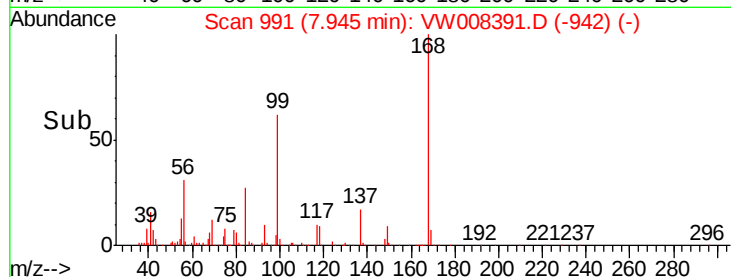
30000

20000

10000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.716 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW008391.D

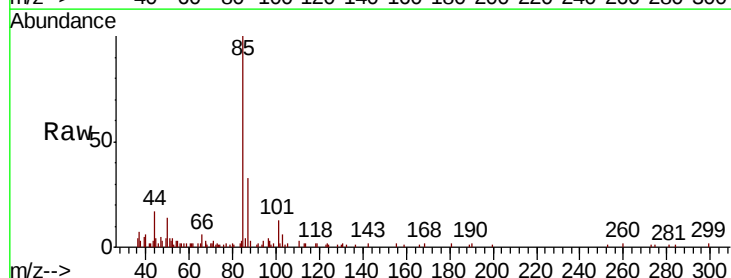
Acq: 22 Jan 2019 16:22

Tgt Ion: 85 Resp: 14643

Ion Ratio Lower Upper

85 100

87 32.1 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

5000

4000

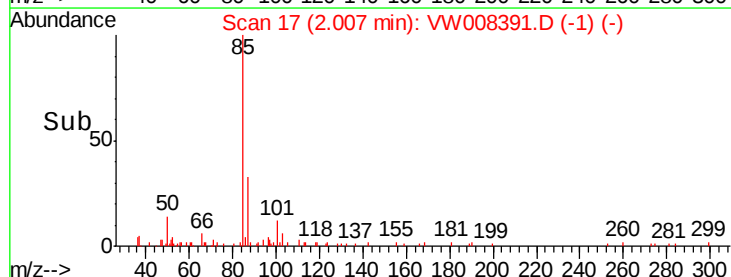
3000

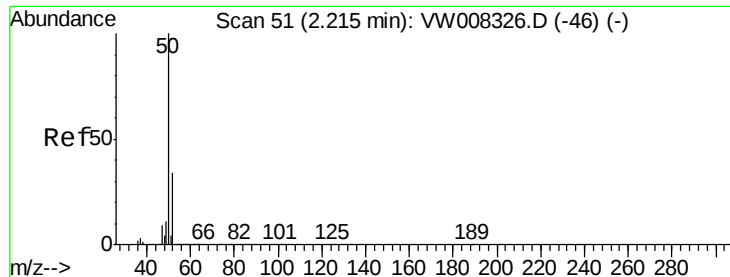
2000

1000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 19.825 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

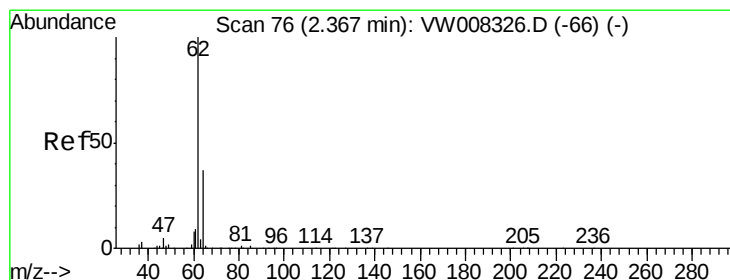
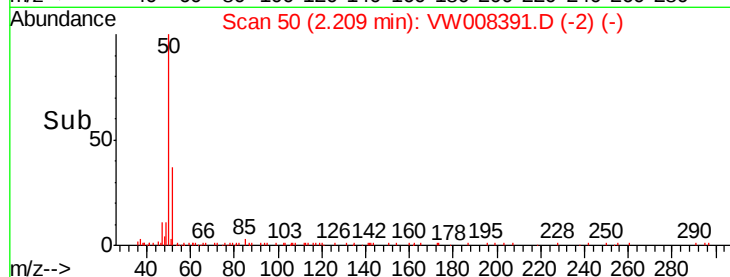
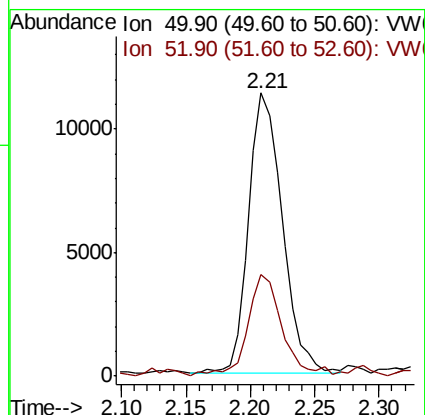
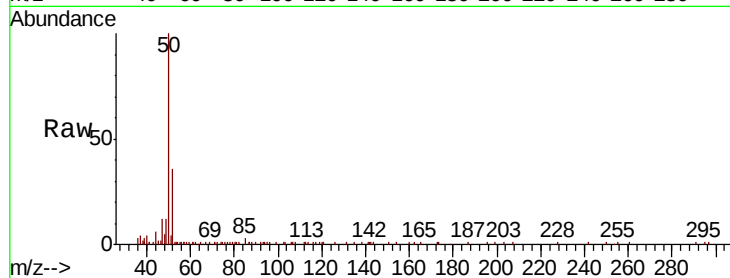
VW0122SBSD01

Tgt Ion: 50 Resp: 20542

Ion Ratio Lower Upper

50 100

52 36.4 26.7 40.1



#4

Vinyl Chloride

Concen: 21.863 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008391.D

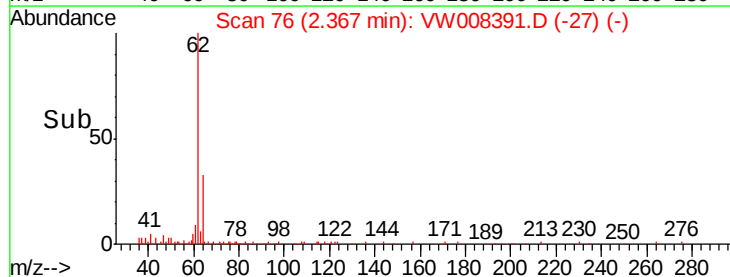
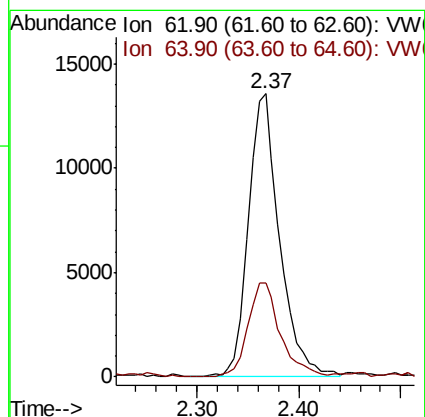
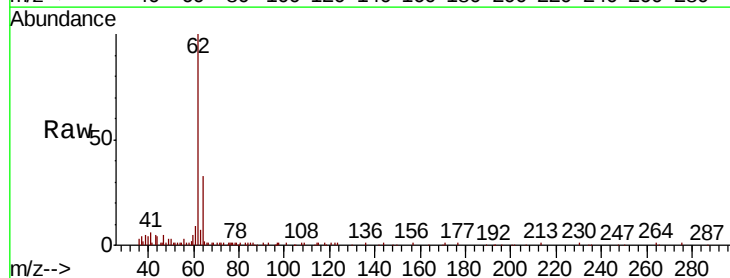
Acq: 22 Jan 2019 16:22

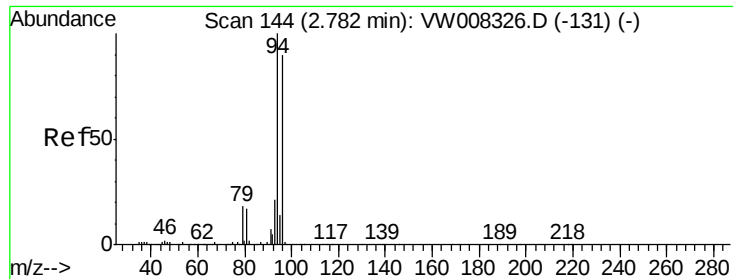
Tgt Ion: 62 Resp: 28945

Ion Ratio Lower Upper

62 100

64 33.3 29.4 44.2





#5

Bromomethane

Concen: 23.184 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

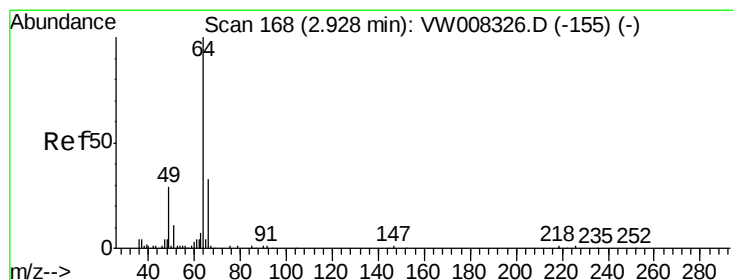
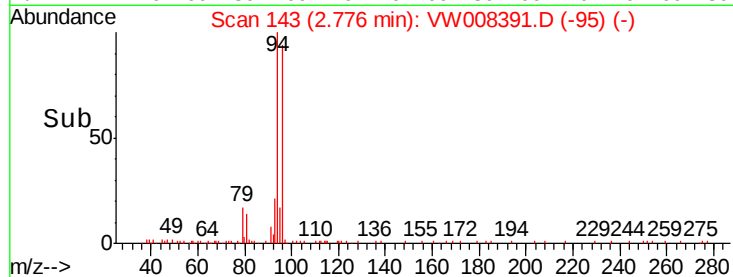
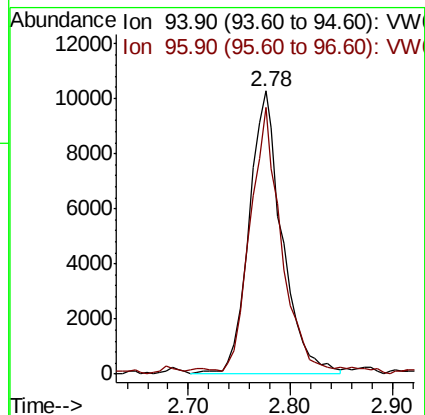
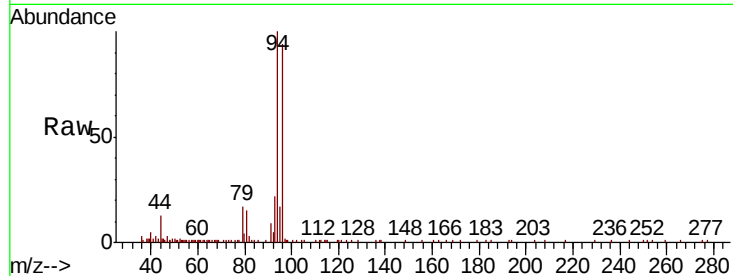
VW0122SBSD01

Tgt Ion: 94 Resp: 23261

Ion Ratio Lower Upper

94 100

96 92.7 71.4 107.0



#6

Chloroethane

Concen: 23.219 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.00 min

Lab File: VW008391.D

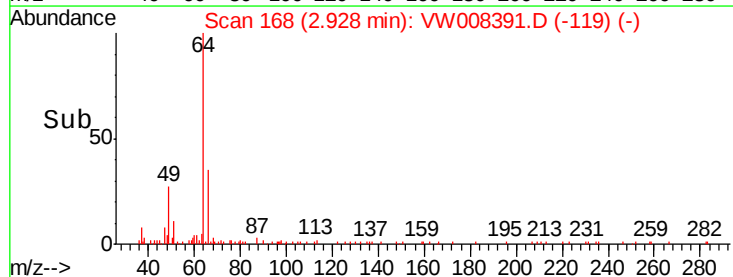
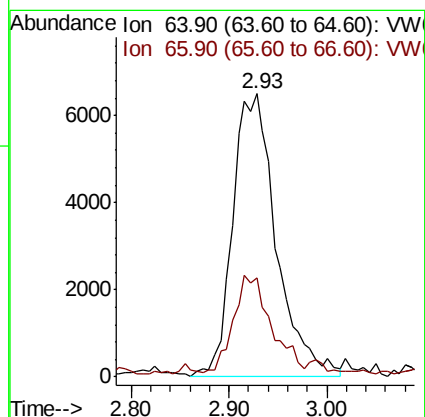
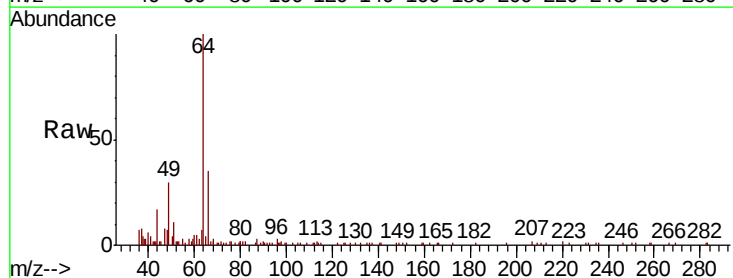
Acq: 22 Jan 2019 16:22

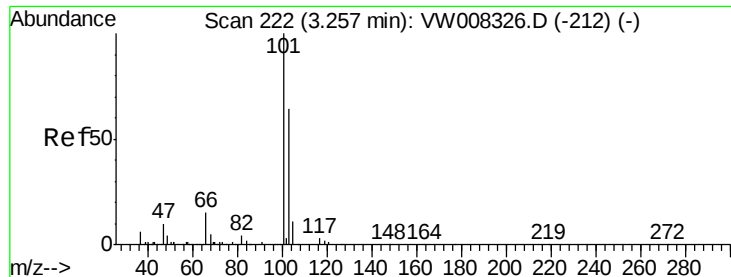
Tgt Ion: 64 Resp: 20121

Ion Ratio Lower Upper

64 100

66 33.4 26.2 39.4



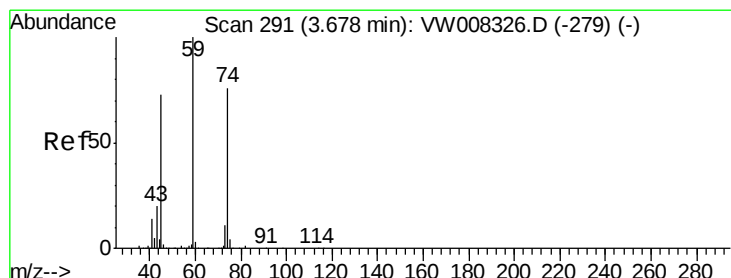
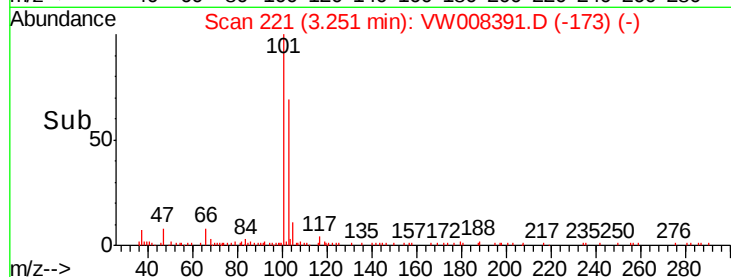
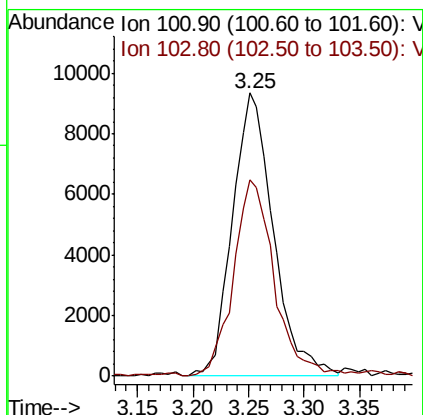
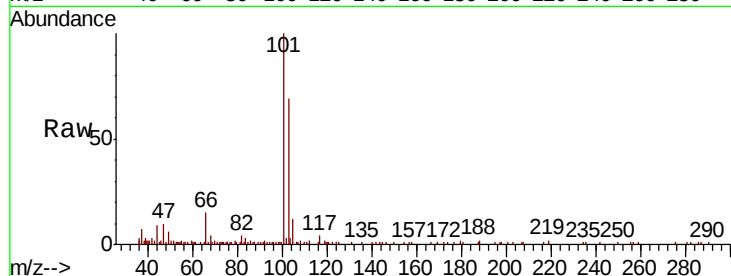


#7

Trichlorofluoromethane
Concen: 24.578 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

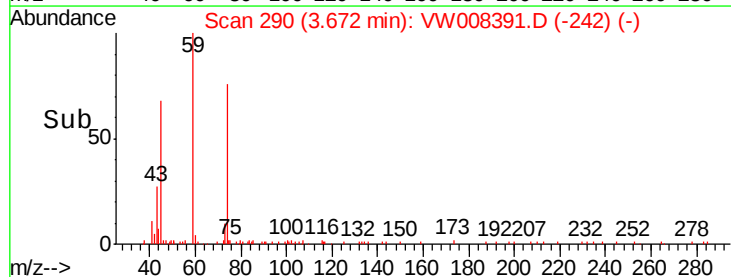
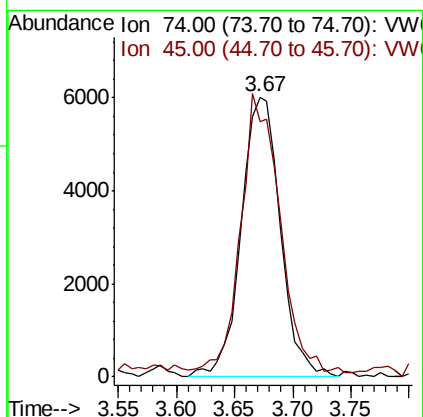
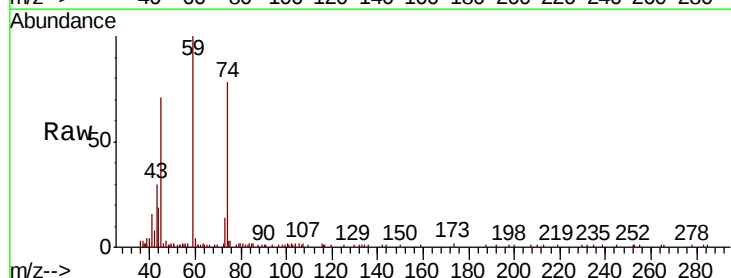
Tgt Ion:101 Resp: 23892
Ion Ratio Lower Upper
101 100
103 70.1 50.9 76.3

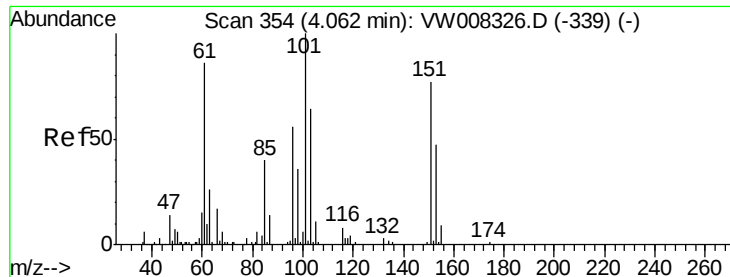


#8

Diethyl Ether
Concen: 20.947 ug/l
RT: 3.67 min Scan# 290
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 74 Resp: 14120
Ion Ratio Lower Upper
74 100
45 99.7 50.1 150.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.185 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

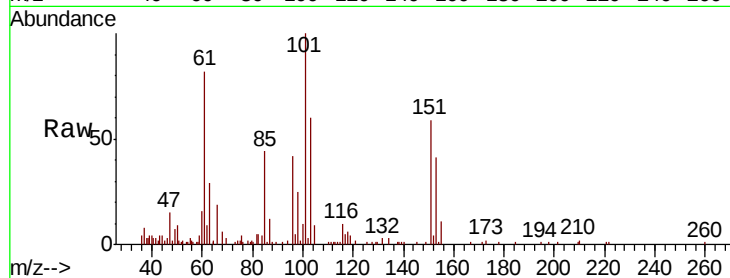
Tgt Ion:101 Resp: 21713

Ion Ratio Lower Upper

101 100

85 47.4 36.0 54.0

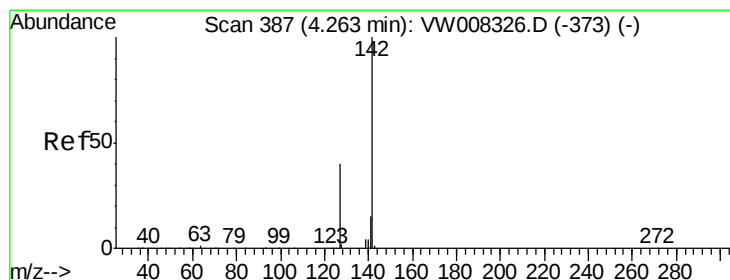
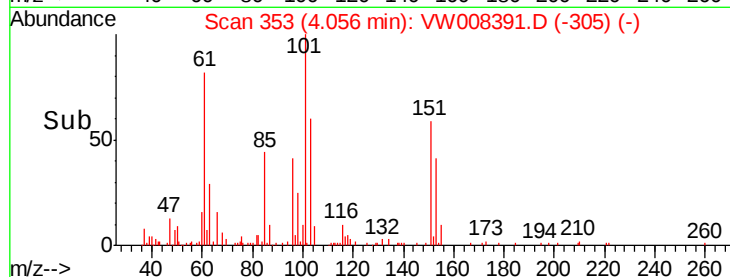
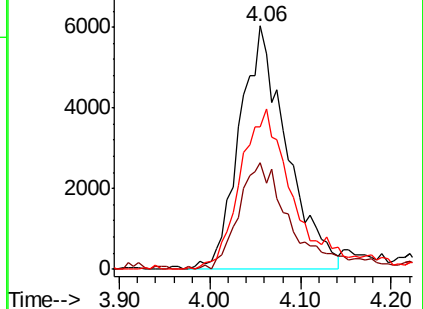
151 73.0 62.3 93.5



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: 16.077 ug/l

RT: 4.26 min Scan# 386

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

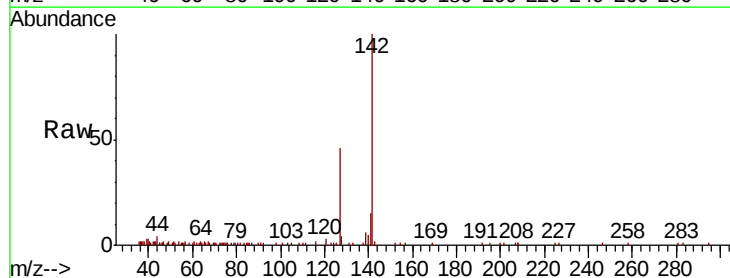
Tgt Ion:142 Resp: 29345

Ion Ratio Lower Upper

142 100

127 43.8 34.3 51.5

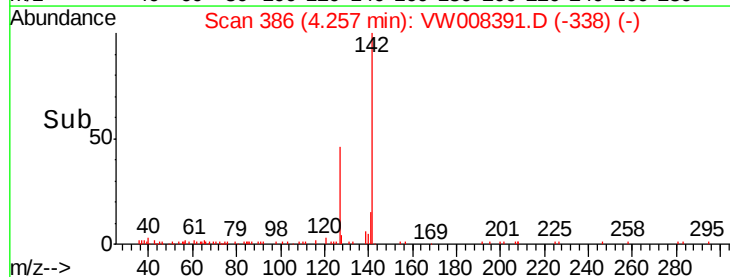
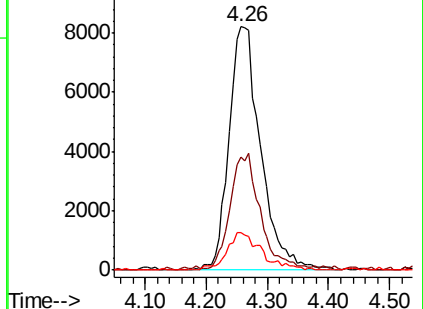
141 16.7 12.2 18.2

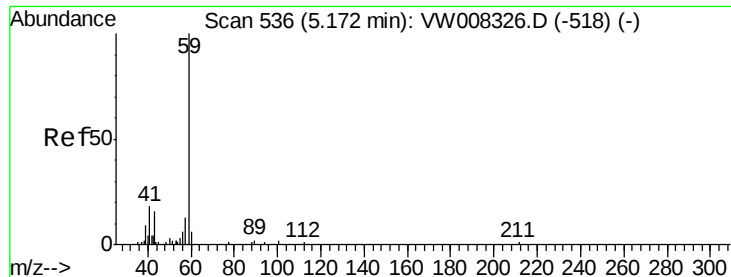


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

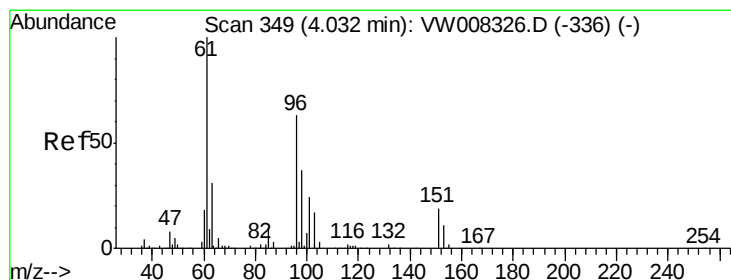
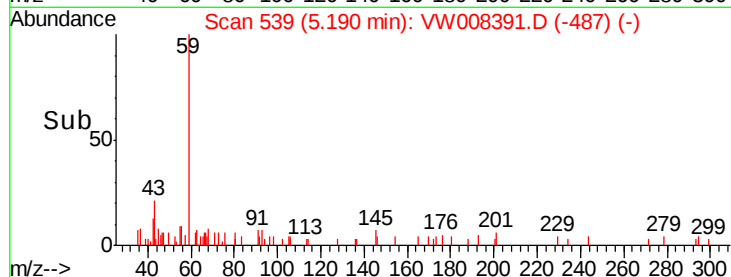
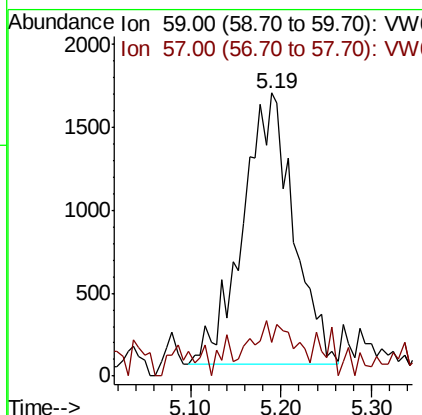
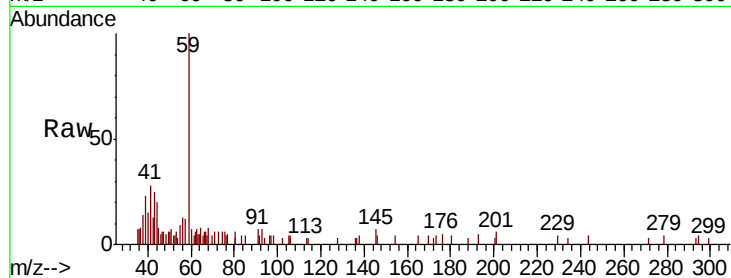




#11
Tert butyl alcohol
Concen: 80.260 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.02 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

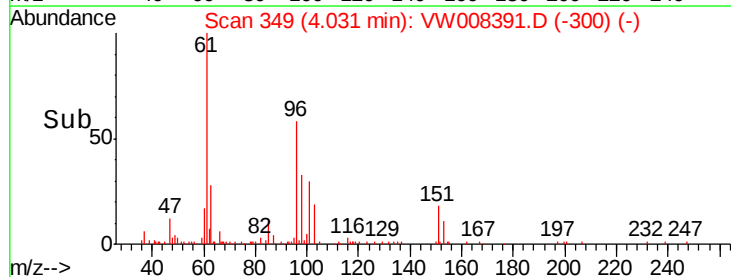
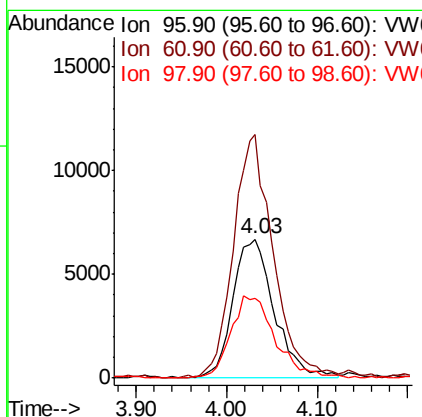
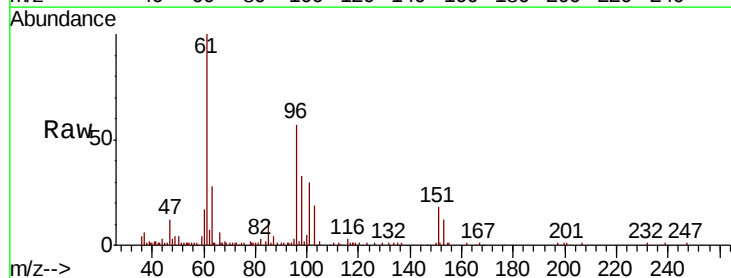
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

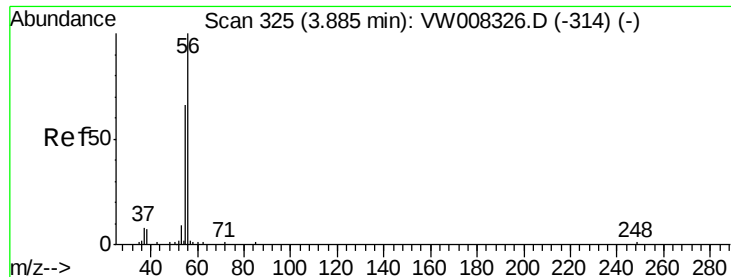
Tgt Ion: 59 Resp: 6306
Ion Ratio Lower Upper
59 100
57 4.3 9.4 14.2#



#12
1,1-Dichloroethene
Concen: 18.417 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 96 Resp: 21199
Ion Ratio Lower Upper
96 100
61 171.7 126.4 189.6
98 57.0 46.7 70.1





#13

Acrolein

Concen: 61.917 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

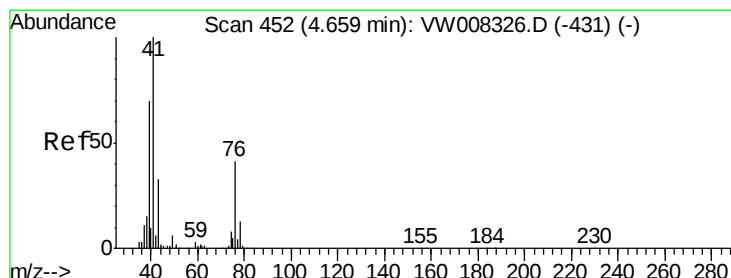
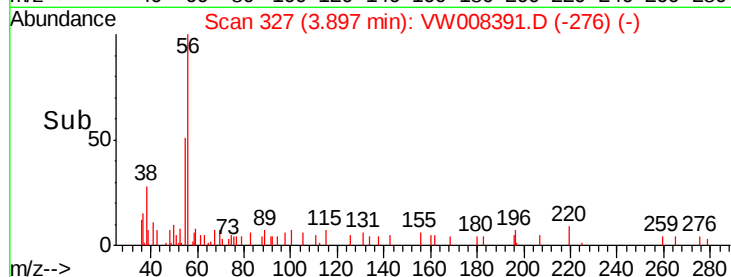
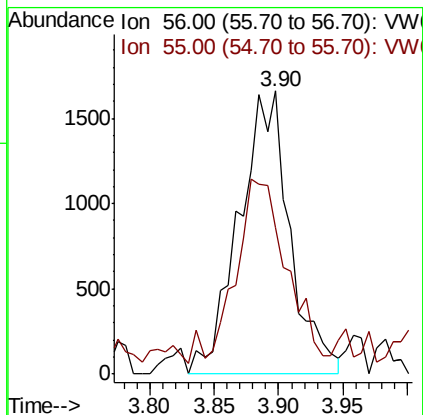
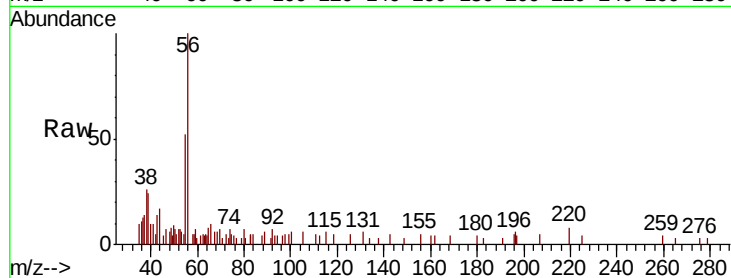
VW0122SBS01

Tgt Ion: 56 Resp: 4547

Ion Ratio Lower Upper

56 100

55 62.1 52.9 79.3



#14

Allyl chloride

Concen: 19.105 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

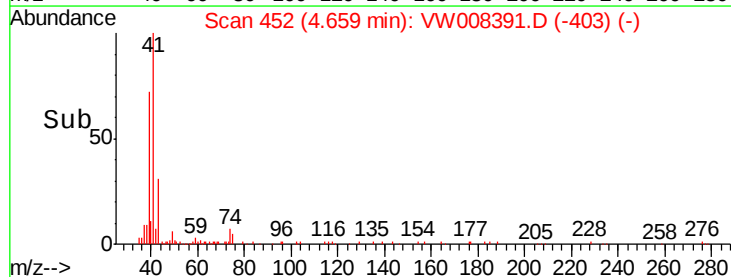
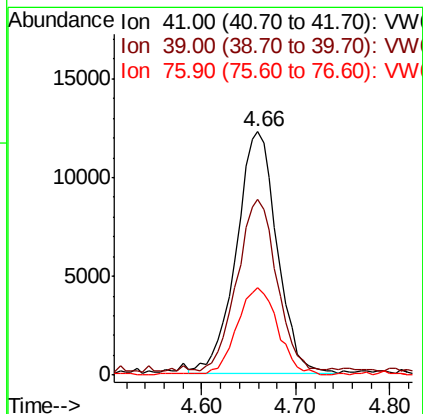
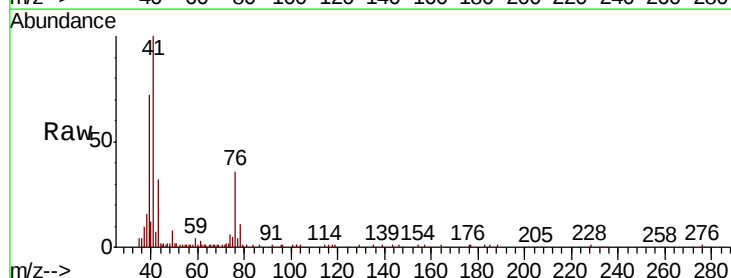
Tgt Ion: 41 Resp: 36764

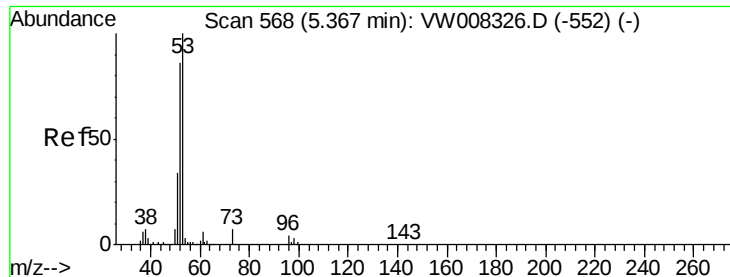
Ion Ratio Lower Upper

41 100

39 69.4 54.1 81.1

76 37.0 29.5 44.3

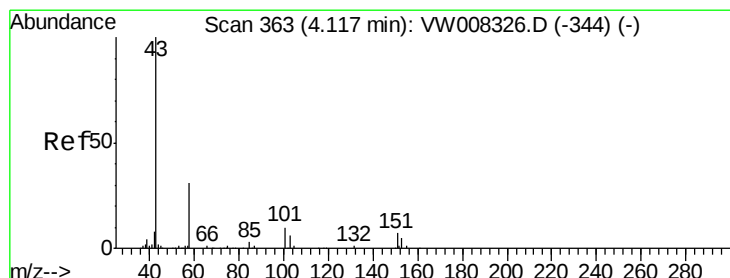
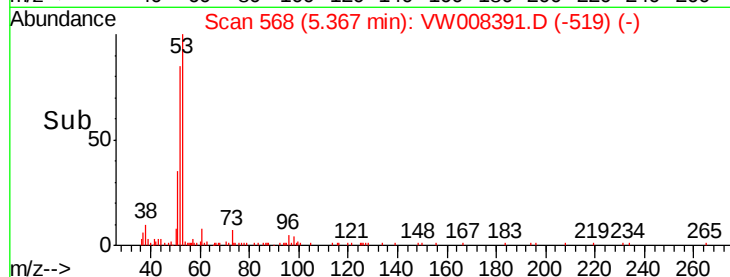
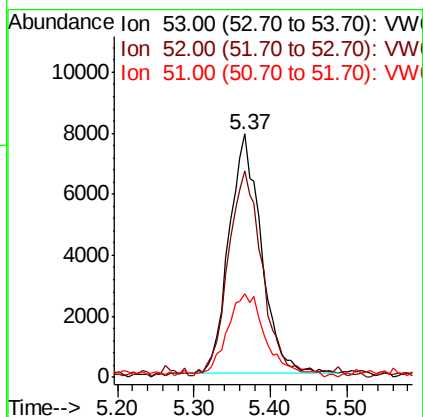
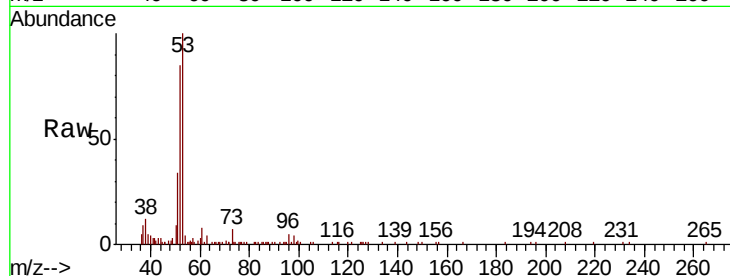




#15
 Acrylonitrile
 Concen: 88.357 ug/l
 RT: 5.37 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

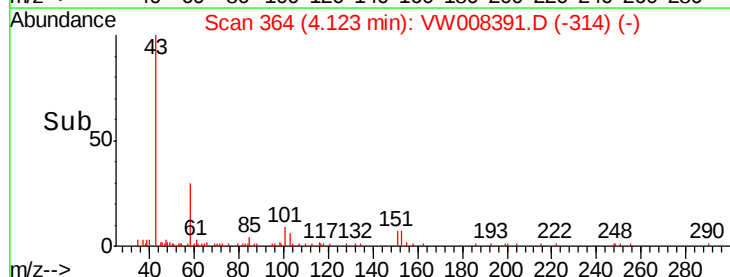
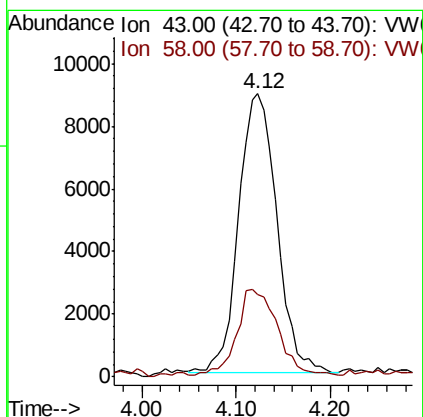
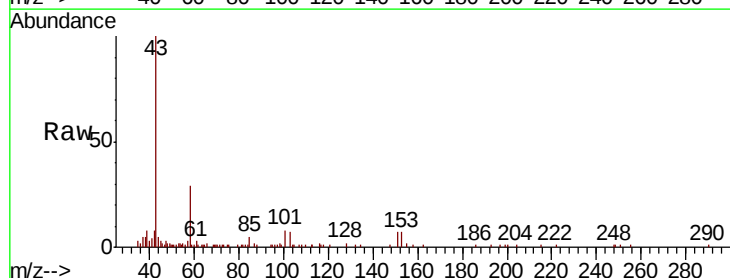
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

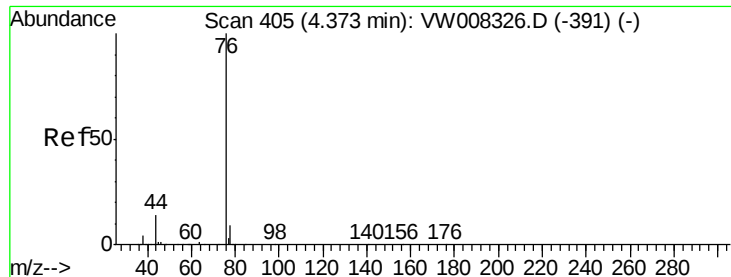
Tgt Ion: 53 Resp: 22879
 Ion Ratio Lower Upper
 53 100
 52 91.2 66.4 99.6
 51 37.8 29.6 44.4



#16
 Acetone
 Concen: 92.755 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion: 43 Resp: 25137
 Ion Ratio Lower Upper
 43 100
 58 29.0 24.7 37.1





#17

Carbon Disulfide

Concen: 16.634 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

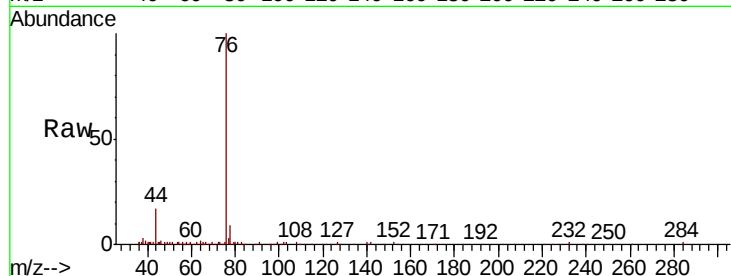
VW0122SBSD01

Tgt Ion: 76 Resp: 58262

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.37

20000

15000

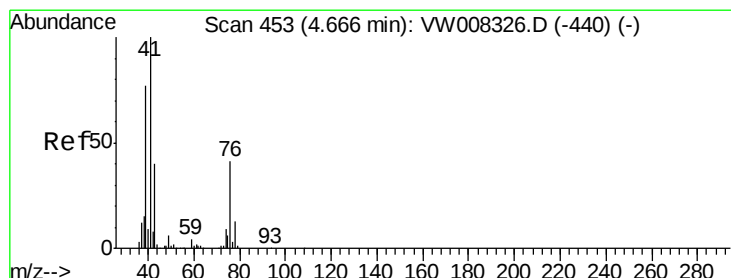
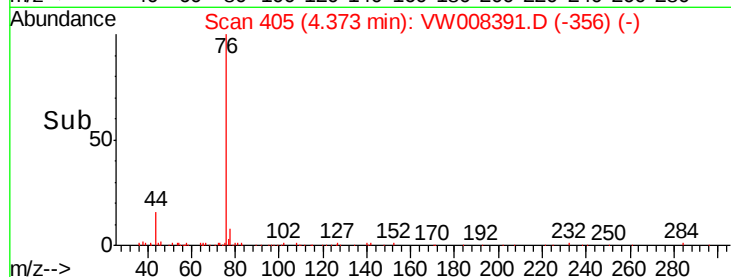
10000

5000

0

Time-->

4.20 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 19.589 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008391.D

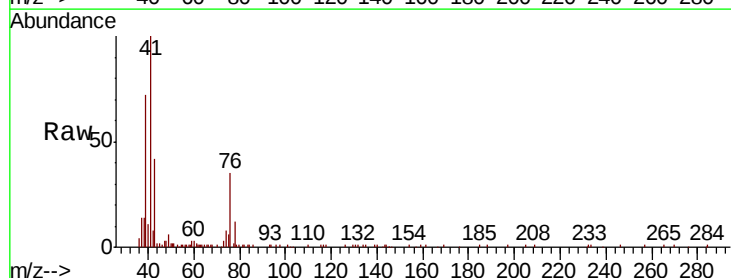
Acq: 22 Jan 2019 16:22

Tgt Ion: 43 Resp: 14181

Ion Ratio Lower Upper

43 100

74 19.2 19.4 29.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.67

5000

4000

3000

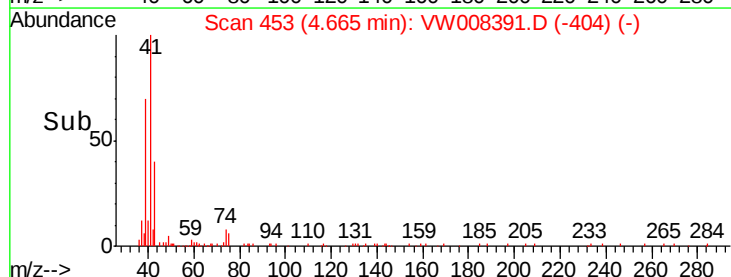
2000

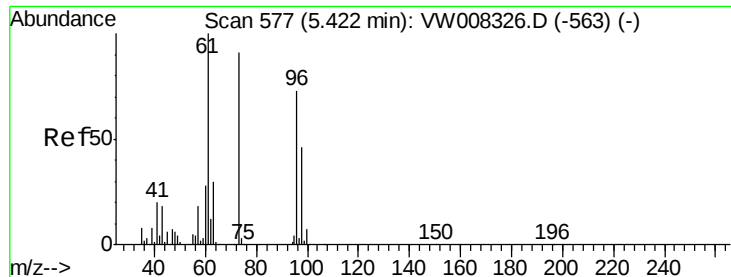
1000

0

Time-->

4.60 4.70 4.80

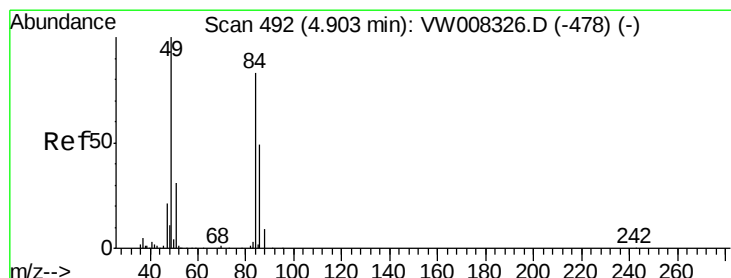
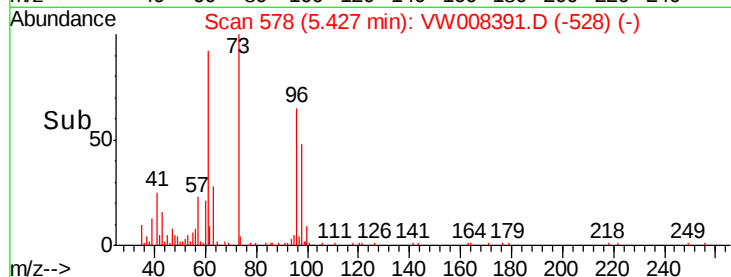
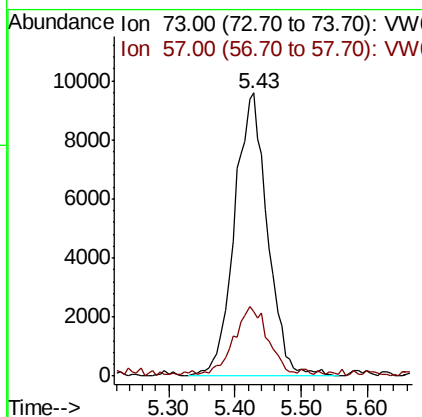
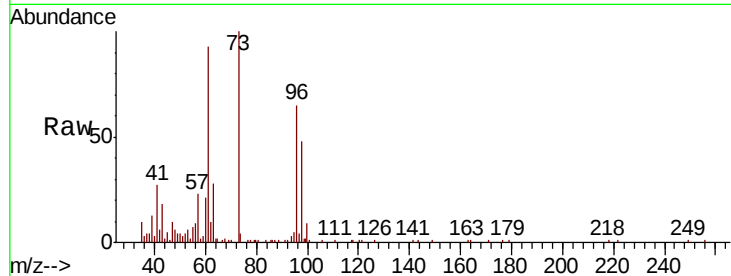




#19
Methyl tert-butyl Ether
Concen: 18.838 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

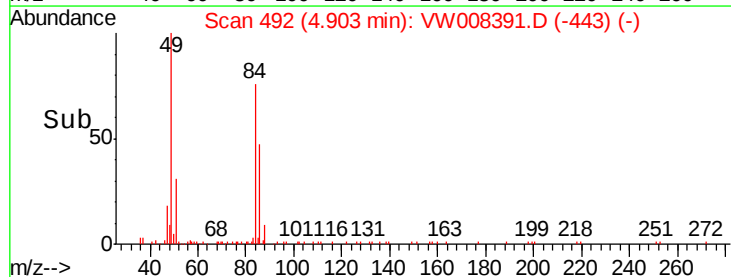
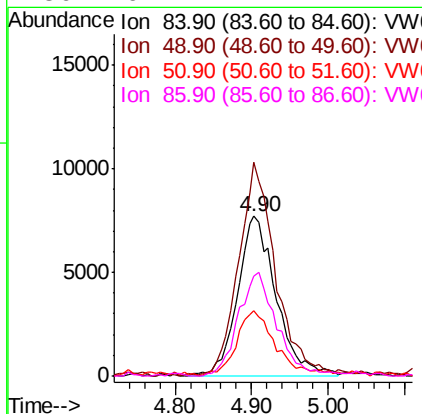
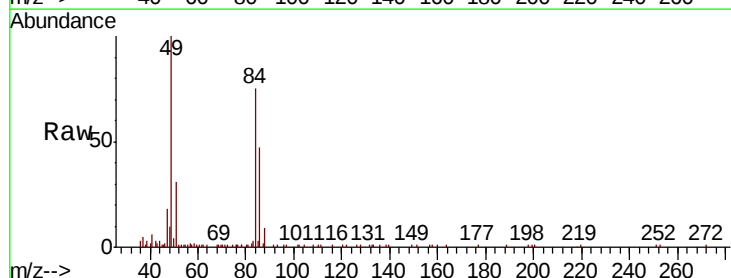
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

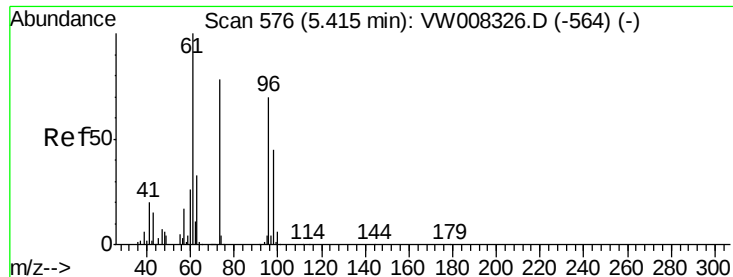
Tgt Ion: 73 Resp: 33193
Ion Ratio Lower Upper
73 100
57 22.0 16.3 24.5



#20
Methylene Chloride
Concen: 19.221 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 84 Resp: 26916
Ion Ratio Lower Upper
84 100
49 132.0 95.9 143.9
51 39.8 29.3 43.9
86 62.2 47.4 71.2





#21

trans-1,2-Dichloroethene

Concen: 19.271 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

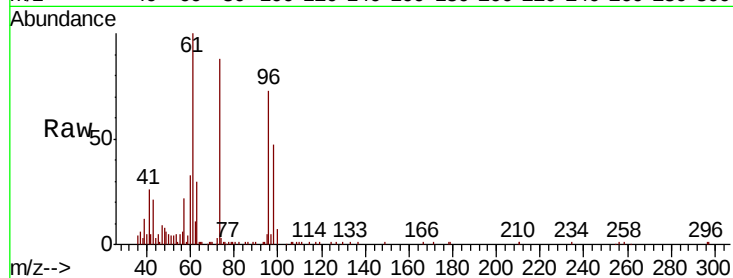
Tgt Ion: 96 Resp: 24913

Ion Ratio Lower Upper

96 100

61 136.2 114.5 171.7

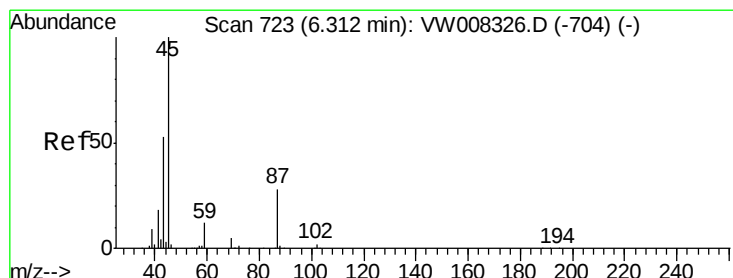
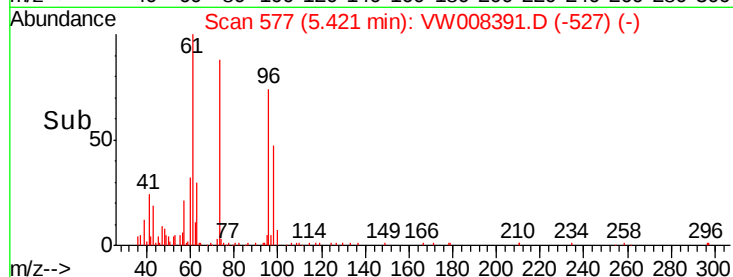
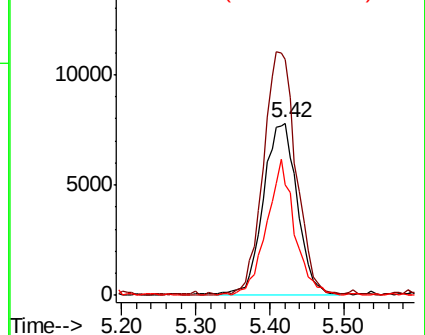
98 64.3 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.368 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion: 45 Resp: 76521

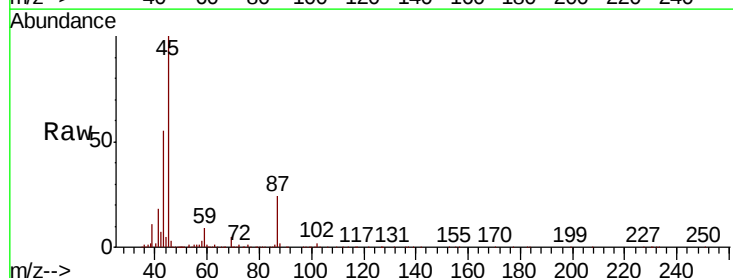
Ion Ratio Lower Upper

45 100

43 54.5 42.5 63.7

87 24.0 22.2 33.2

59 9.0 9.7 14.5#

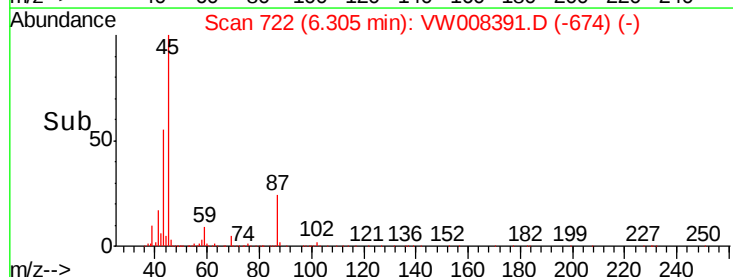
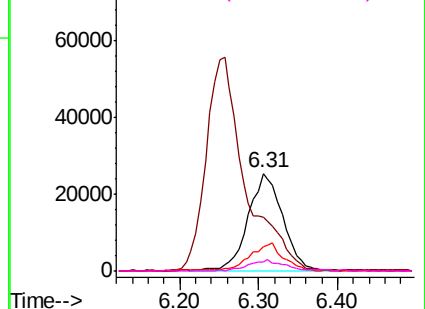


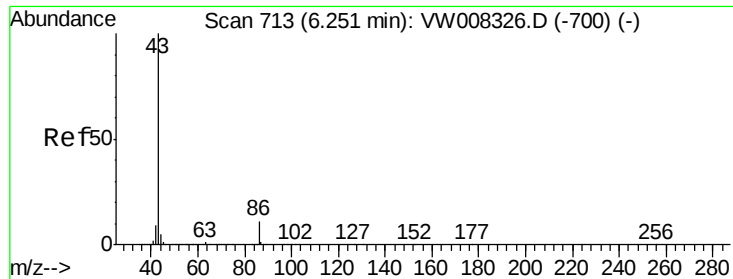
Abundance Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 95.341 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

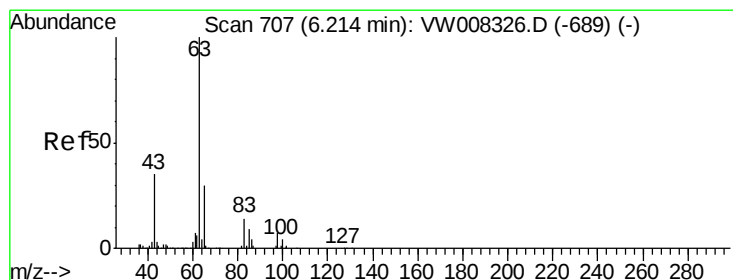
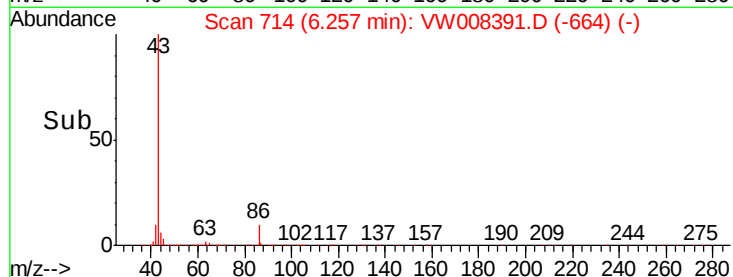
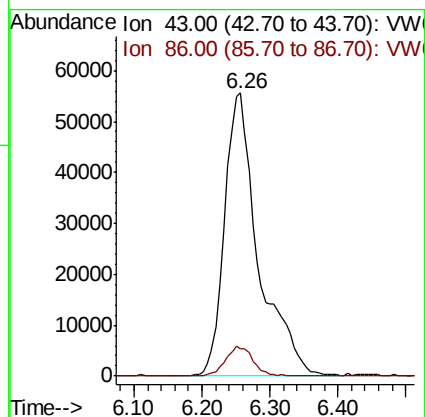
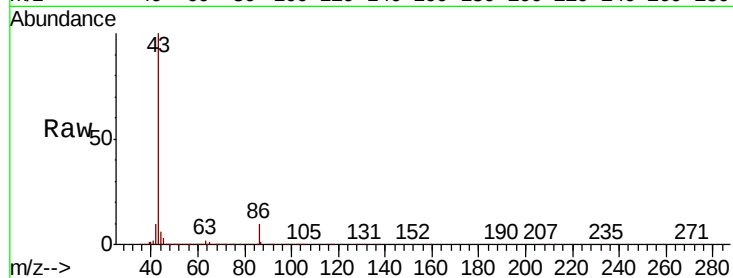
VW0122SBSD01

Tgt Ion: 43 Resp: 191464

Ion Ratio Lower Upper

43 100

86 9.6 8.6 13.0



#24

1,1-Dichloroethane

Concen: 20.689 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

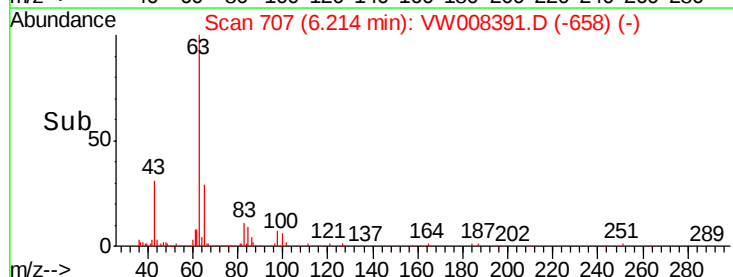
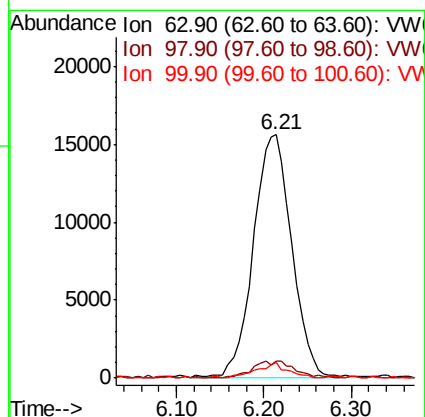
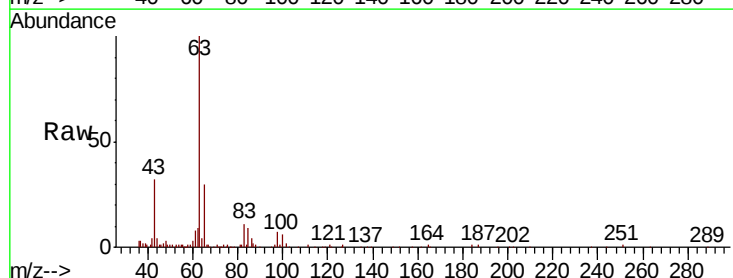
Tgt Ion: 63 Resp: 47326

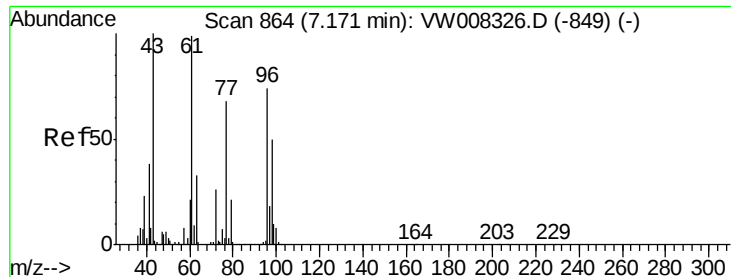
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 6.4 2.1 6.3#





#25

2-Butanone

Concen: 93.379 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

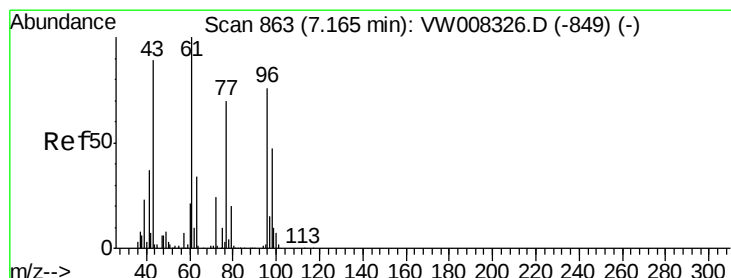
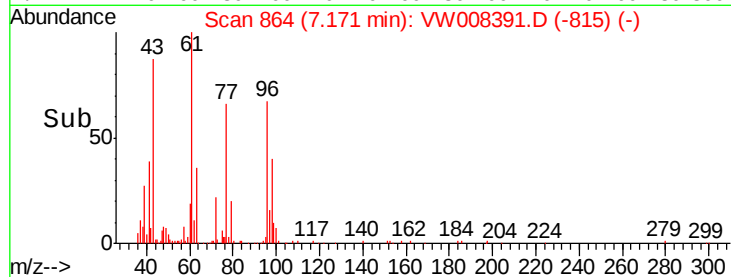
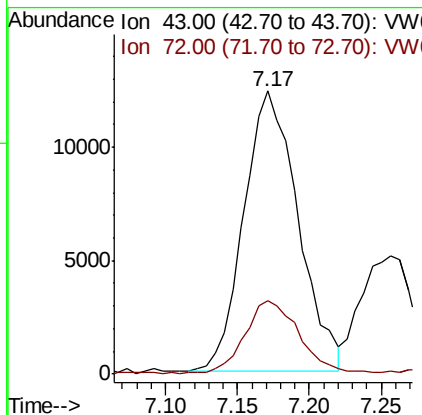
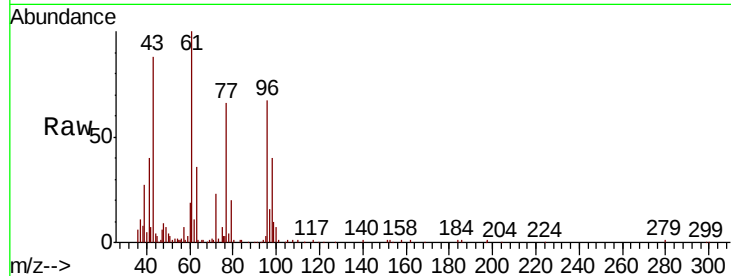
VW0122SBSD01

Tgt Ion: 43 Resp: 32412

Ion Ratio Lower Upper

43 100

72 25.4 21.2 31.8



#26

2,2-Dichloropropane

Concen: 20.764 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008391.D

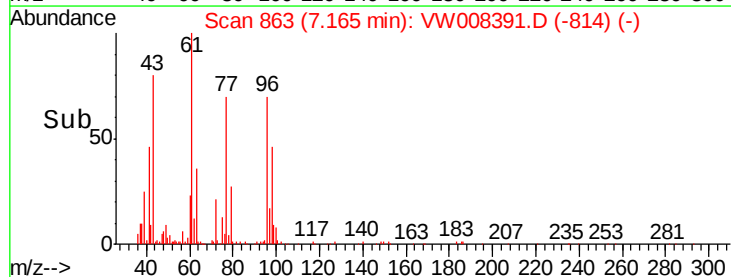
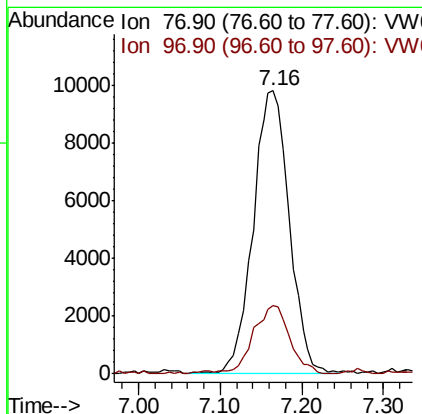
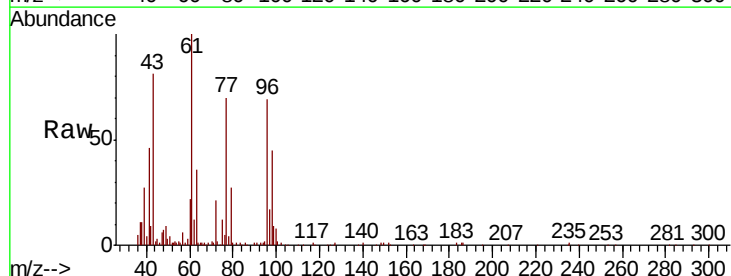
Acq: 22 Jan 2019 16:22

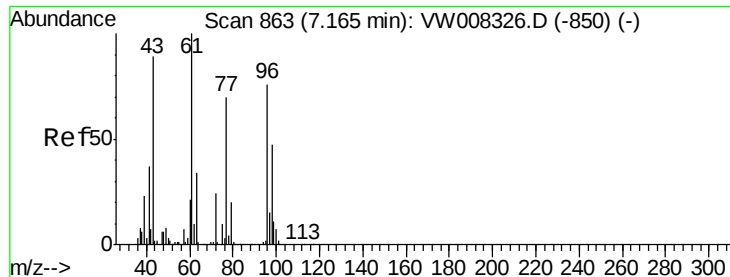
Tgt Ion: 77 Resp: 30311

Ion Ratio Lower Upper

77 100

97 24.2 11.7 35.1



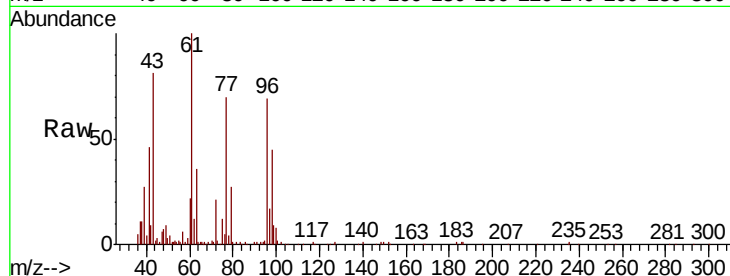


#27

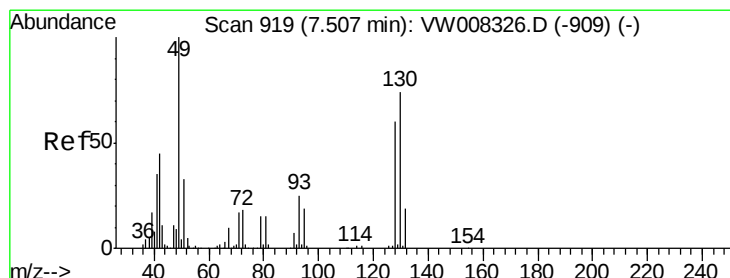
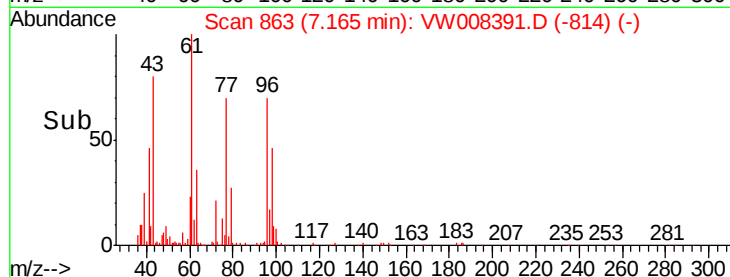
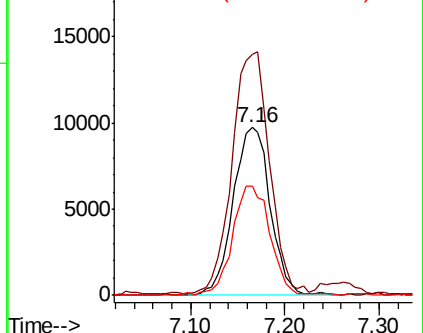
cis-1,2-Dichloroethene
 Concen: 19.036 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.0	0.0	272.2
98	66.0	0.0	129.4



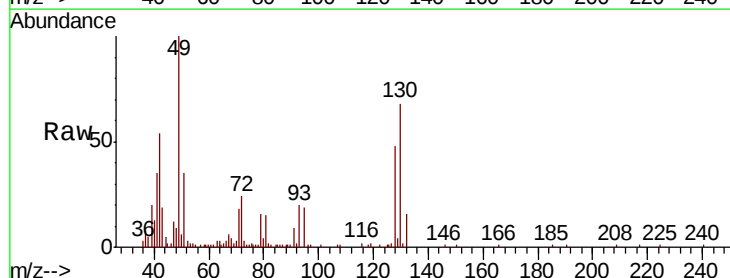
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



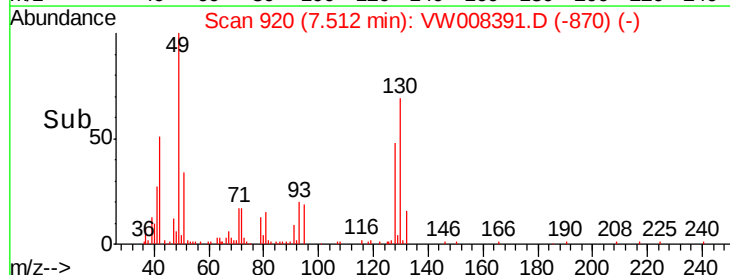
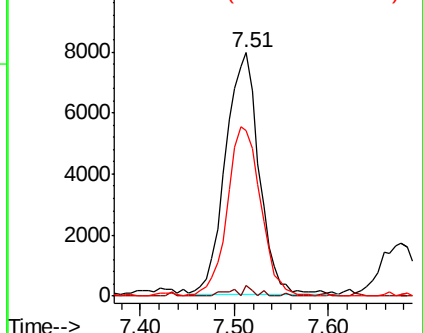
#28

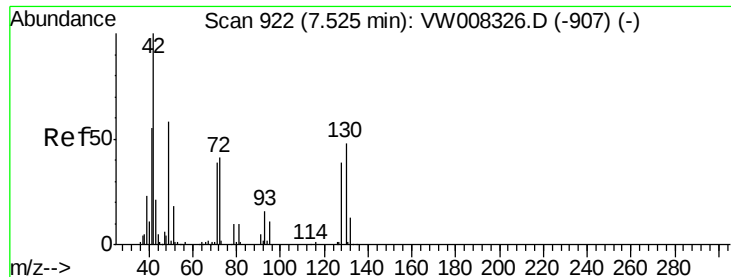
Bromochloromethane
 Concen: 20.855 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.01 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	2.6
130	70.0	0.0	0.0#



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

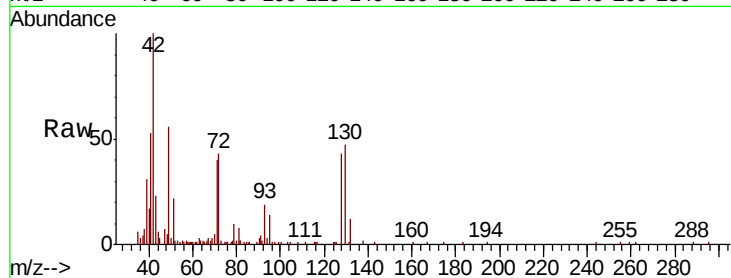




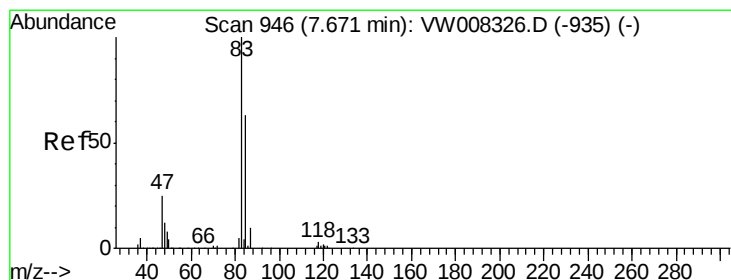
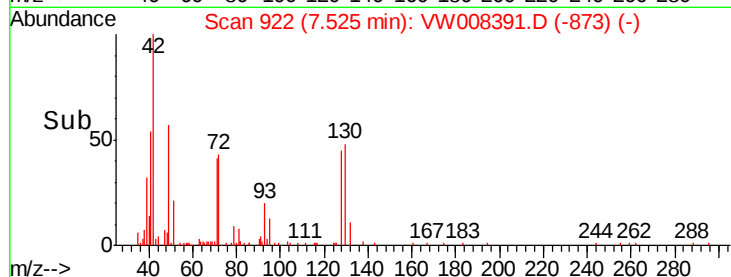
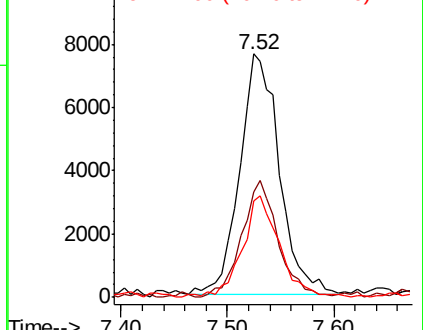
#29
Tetrahydrofuran
Concen: 91.543 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBS01

Tgt Ion: 42 Resp: 19809
Ion Ratio Lower Upper
42 100
72 44.8 34.0 51.0
71 39.3 32.0 48.0

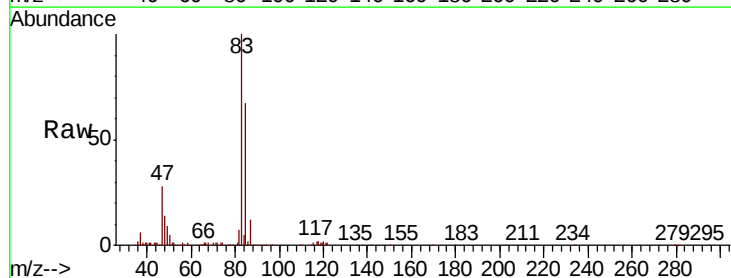


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

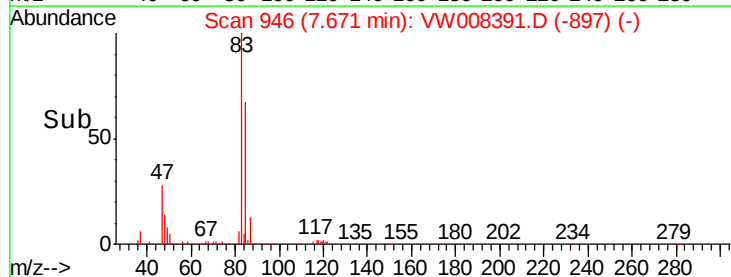
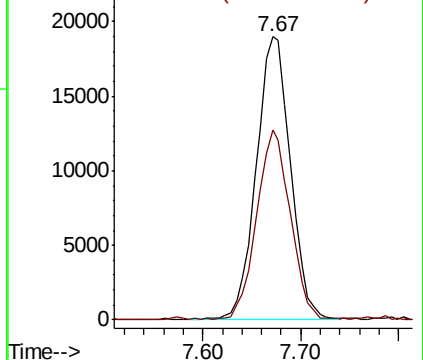


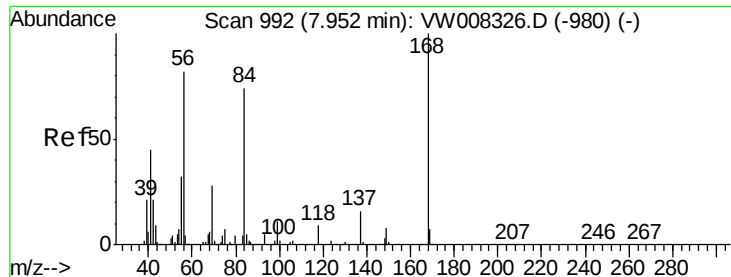
#30
Chloroform
Concen: 20.533 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 83 Resp: 46471
Ion Ratio Lower Upper
83 100
85 66.7 50.2 75.2



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

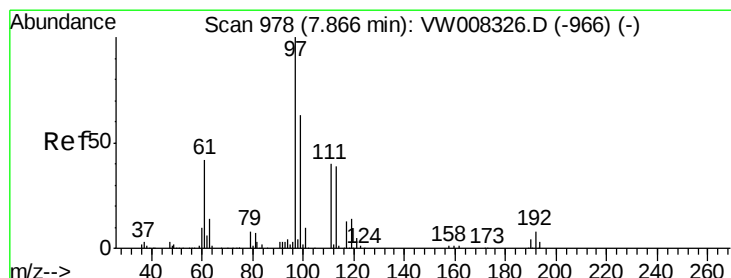
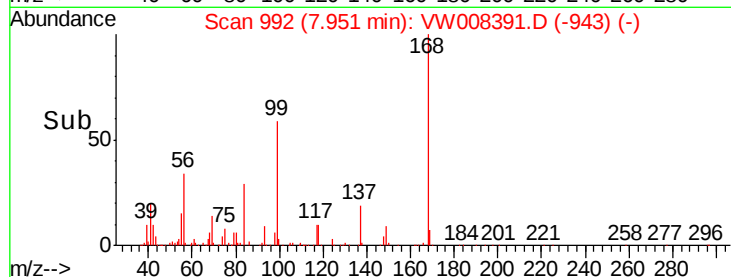
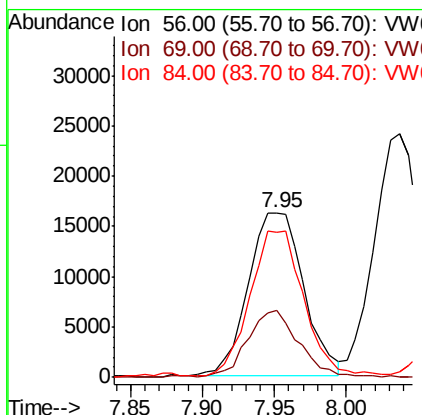
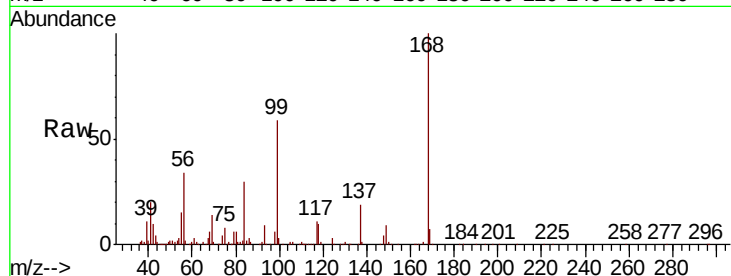




#31
Cyclohexane
Concen: 19.979 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

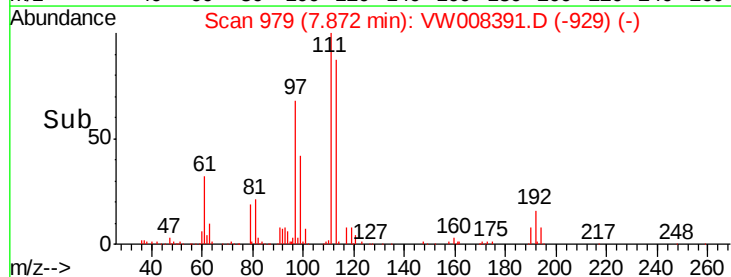
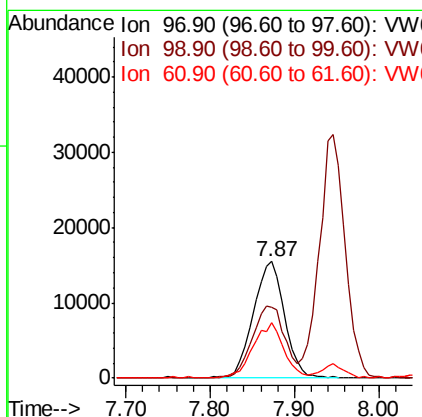
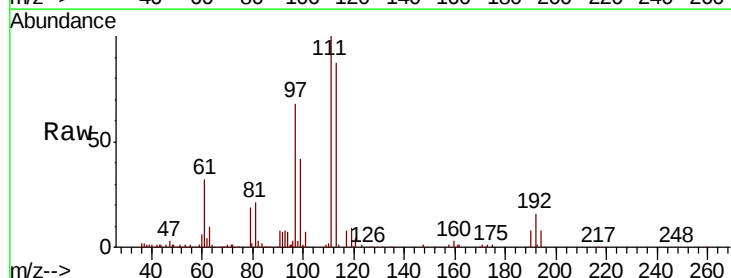
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

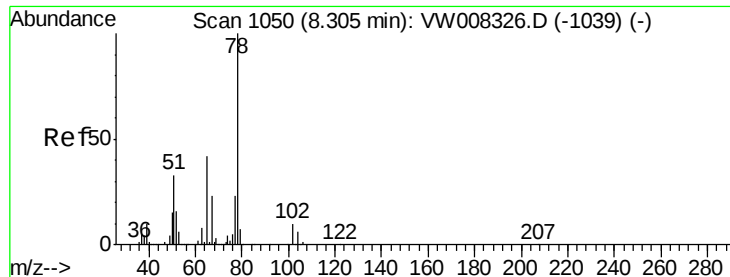
Tgt Ion: 56 Resp: 43543
Ion Ratio Lower Upper
56 100
69 40.3 27.0 40.6
84 87.6 72.5 108.7



#32
1,1,1-Trichloroethane
Concen: 20.665 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 97 Resp: 39252
Ion Ratio Lower Upper
97 100
99 64.3 51.1 76.7
61 45.5 34.0 51.0





#33

1,2-Dichloroethane-d4

Concen: 50.842 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

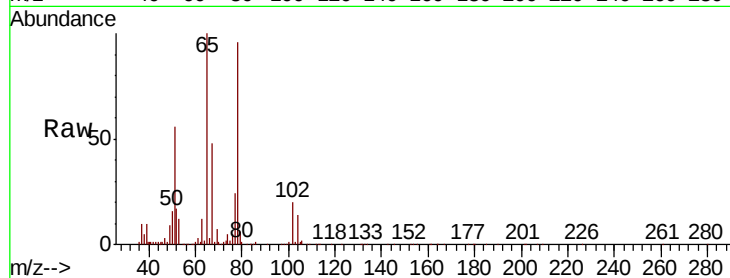
VW0122SBSD01

Tgt Ion: 65 Resp: 59329

Ion Ratio Lower Upper

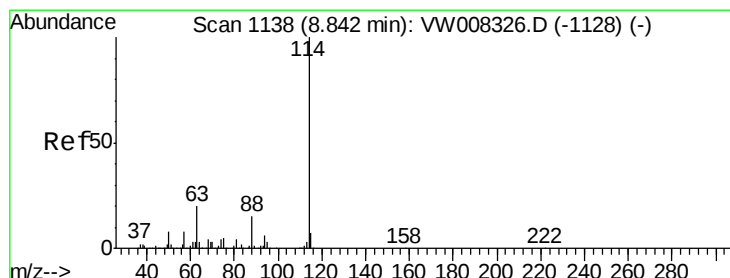
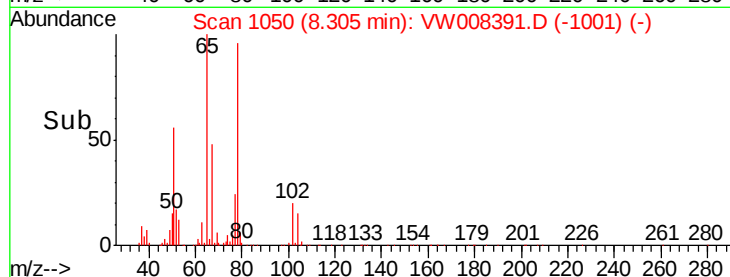
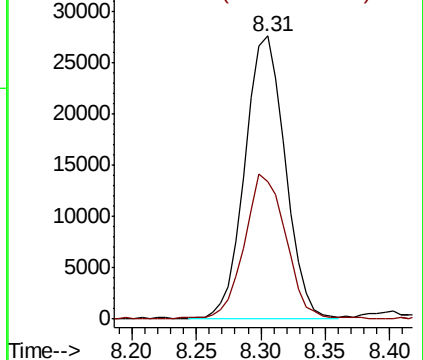
65 100

67 53.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

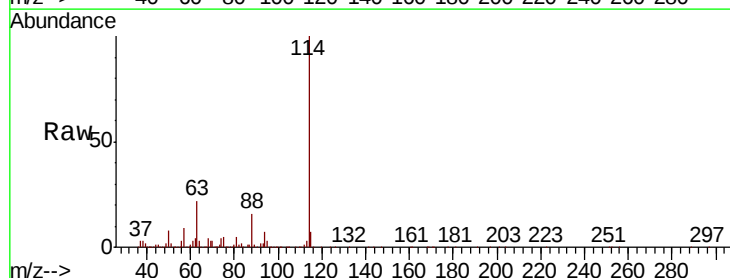
Tgt Ion: 114 Resp: 193741

Ion Ratio Lower Upper

114 100

63 22.3 0.0 40.8

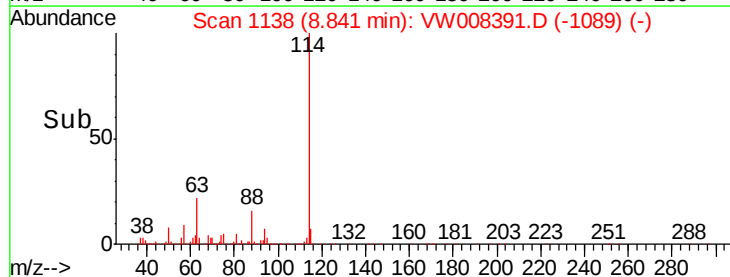
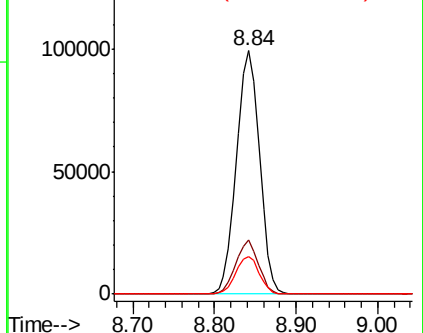
88 15.6 0.0 30.4

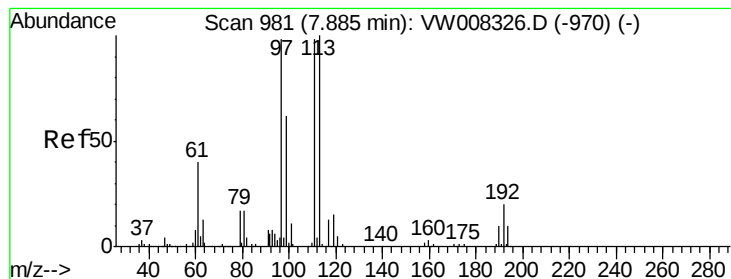


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





#35

Dibromofluoromethane

Concen: 48.203 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

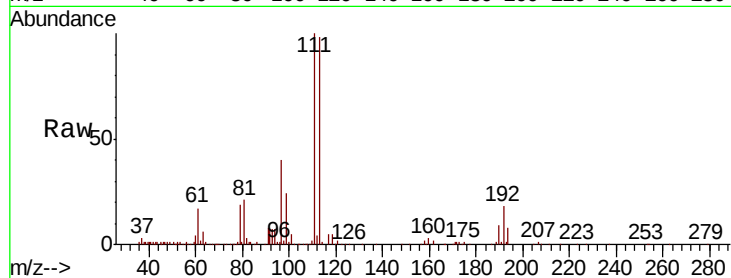
Tgt Ion:113 Resp: 59613

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

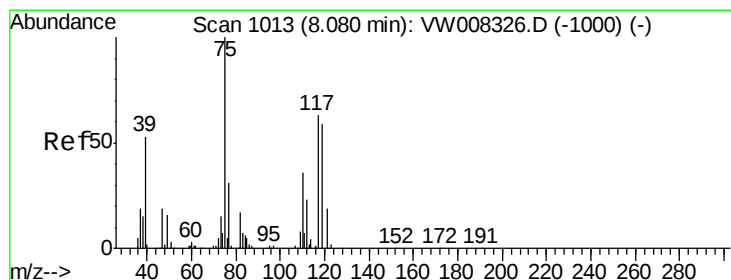
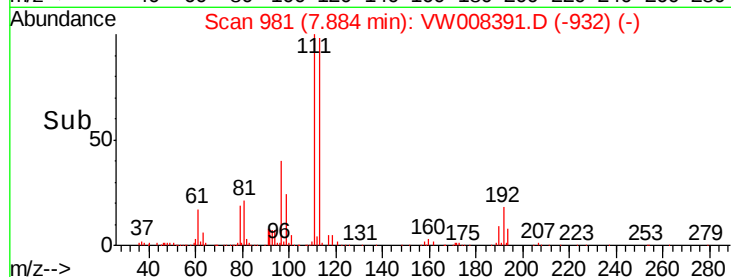
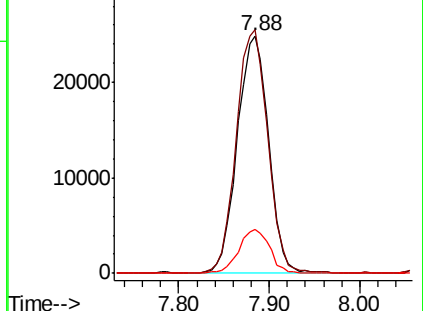
192 18.4 16.3 24.5



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: 19.122 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

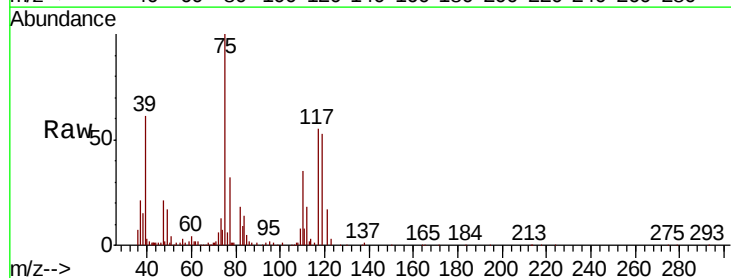
Tgt Ion: 75 Resp: 37273

Ion Ratio Lower Upper

75 100

110 35.1 17.5 52.6

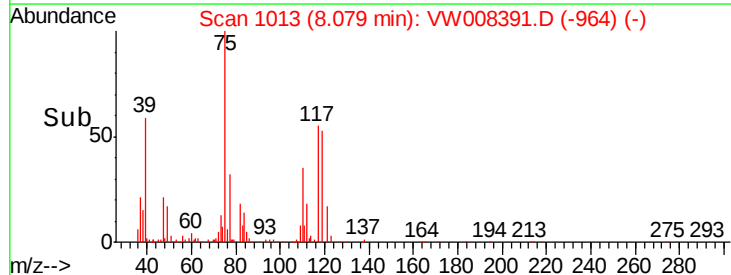
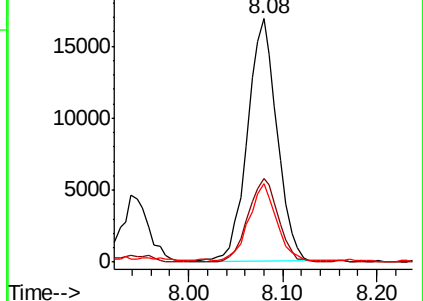
77 29.7 25.0 37.6

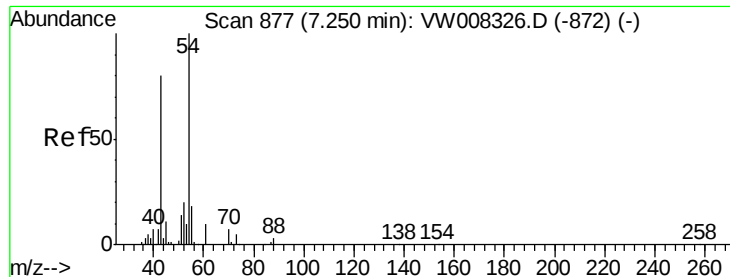


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

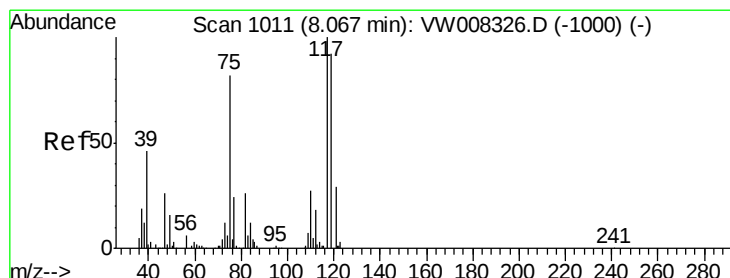
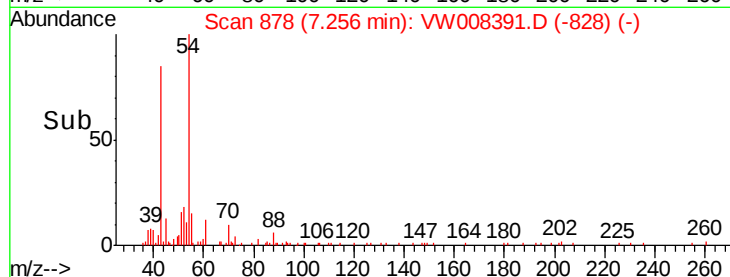
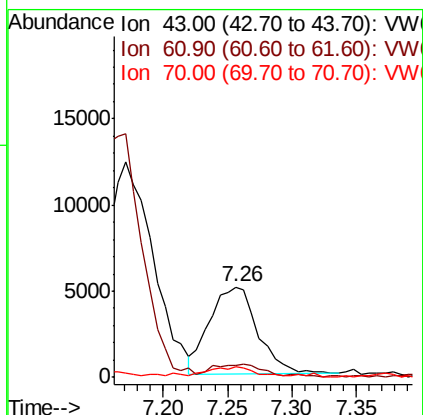
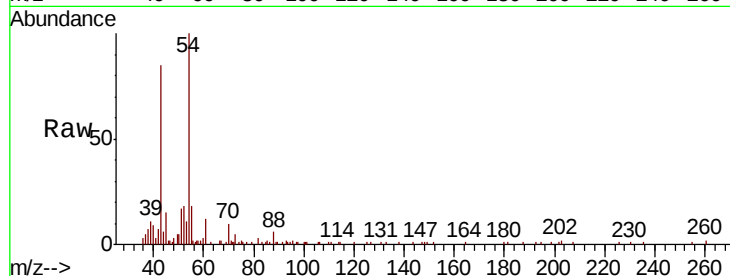




#37
Ethyl Acetate
Concen: 16.342 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

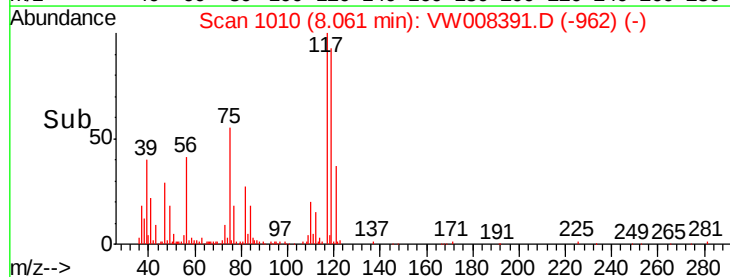
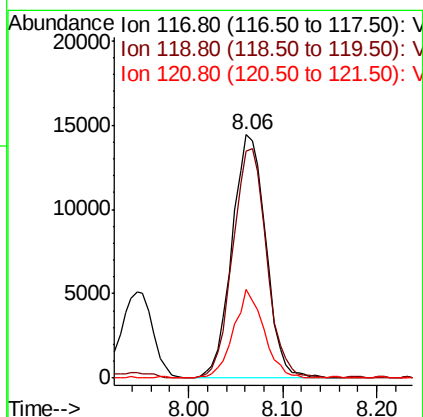
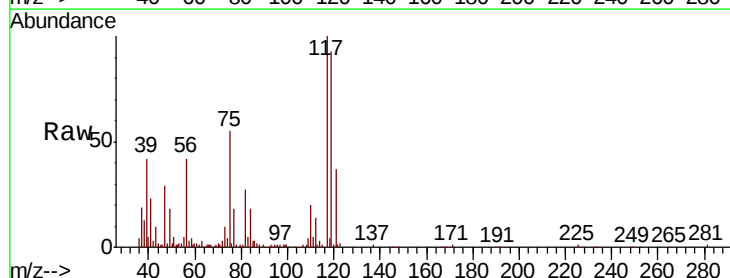
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

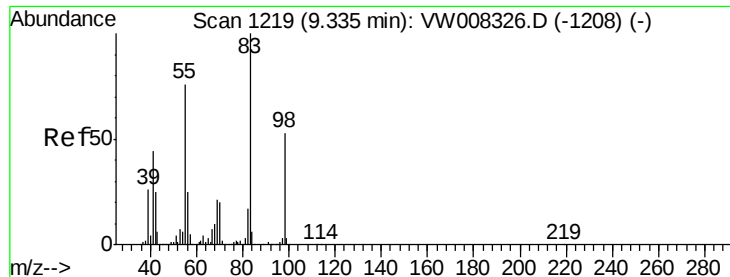
Tgt Ion: 43 Resp: 13136
Ion Ratio Lower Upper
43 100
61 14.9 11.5 17.3
70 11.8 8.8 13.2



#38
Carbon Tetrachloride
Concen: 18.773 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 117 Resp: 36134
Ion Ratio Lower Upper
117 100
119 93.2 73.8 110.6
121 36.7 23.4 35.0#





#39

Methylcyclohexane

Concen: 19.021 ug/l

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

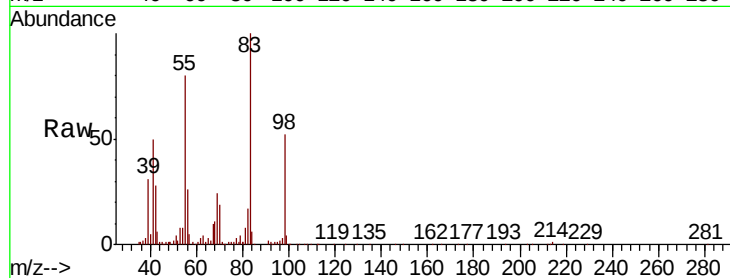
Tgt Ion: 83 Resp: 44102

Ion Ratio Lower Upper

83 100

55 79.8 61.1 91.7

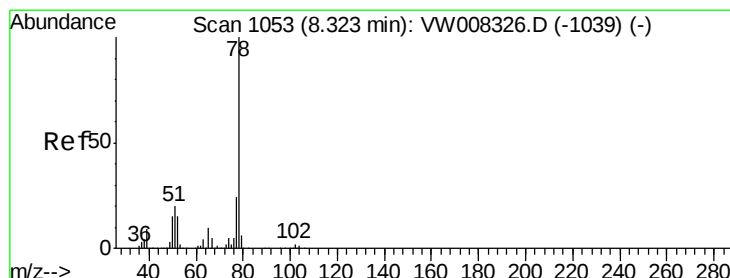
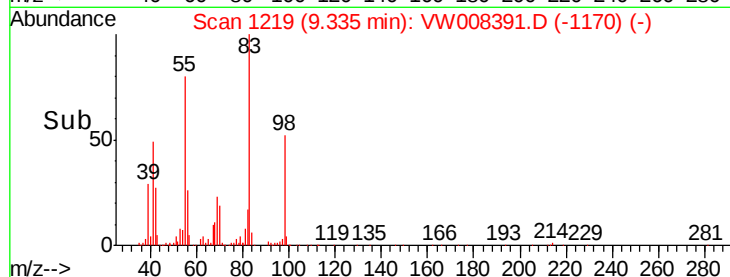
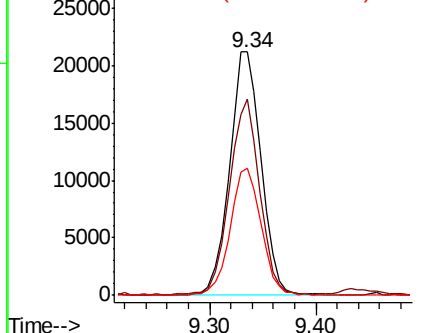
98 52.0 42.5 63.7



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW



#40

Benzene

Concen: 19.354 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW008391.D

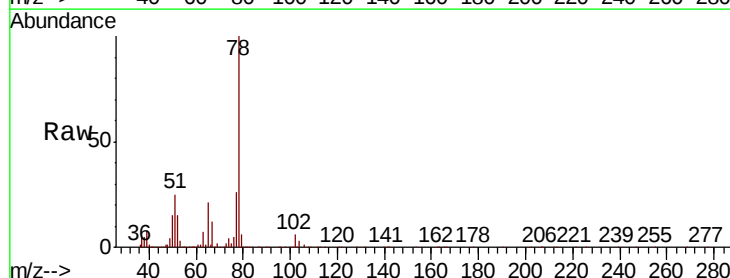
Acq: 22 Jan 2019 16:22

Tgt Ion: 78 Resp: 106865

Ion Ratio Lower Upper

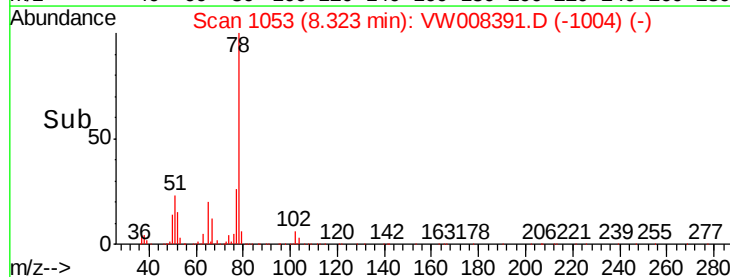
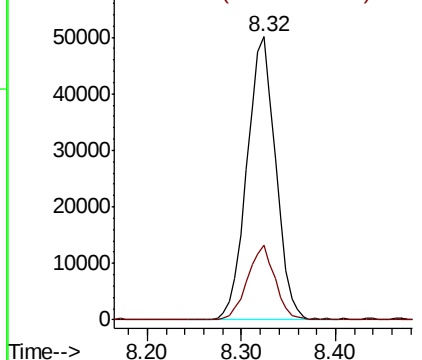
78 100

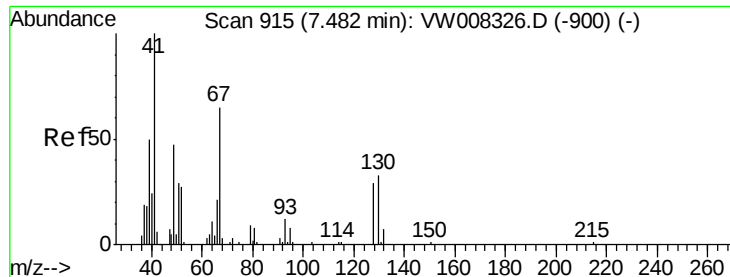
77 26.4 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW





#41

Methacrylonitrile

Concen: 16.693 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

Tgt Ion: 41 Resp: 7811

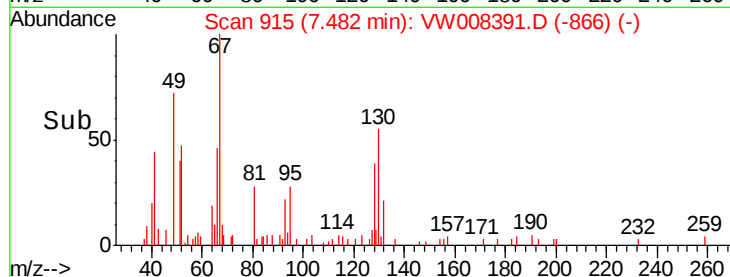
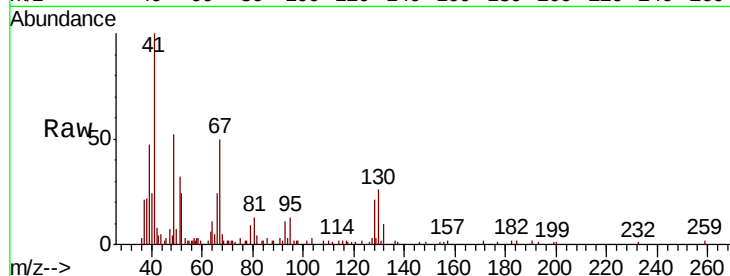
Ion Ratio Lower Upper

41 100

39 57.4 44.9 67.3

67 78.7 56.9 85.3

52 34.0 24.4 36.6

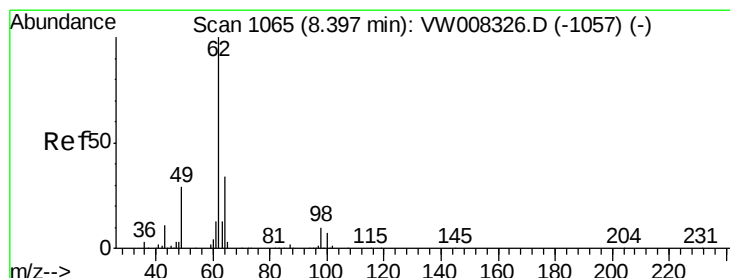
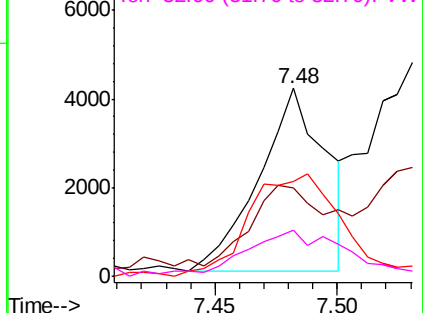


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 18.835 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW008391.D

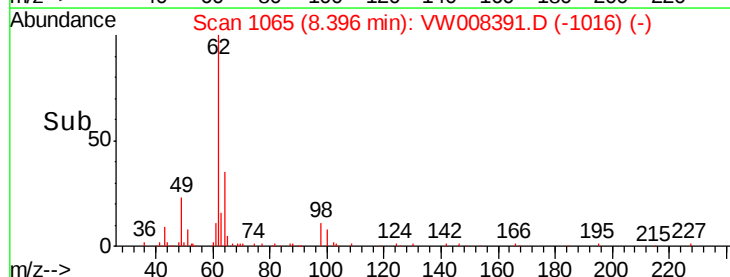
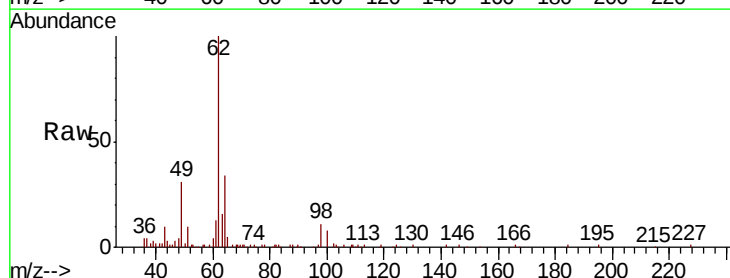
Acq: 22 Jan 2019 16:22

Tgt Ion: 62 Resp: 29080

Ion Ratio Lower Upper

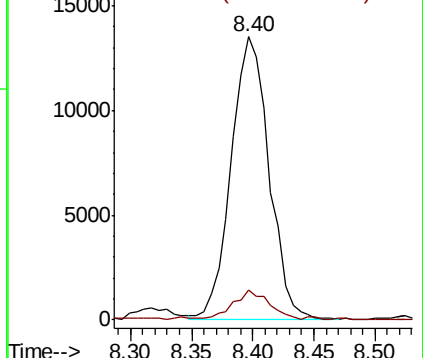
62 100

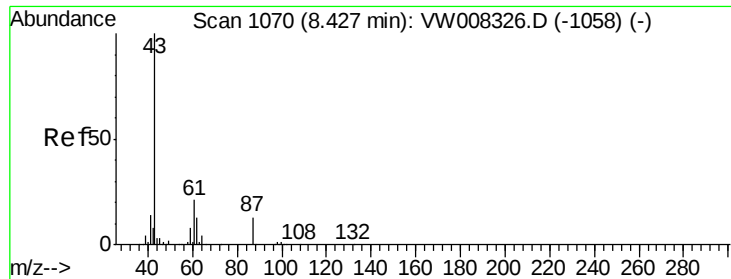
98 10.1 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

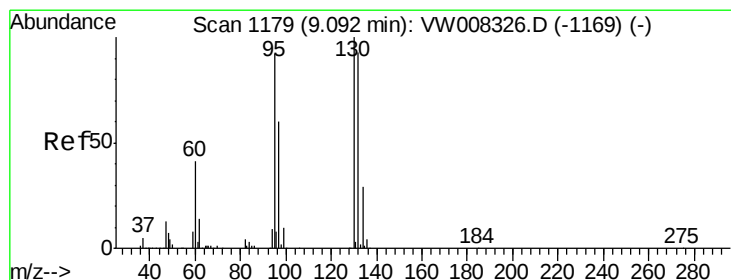
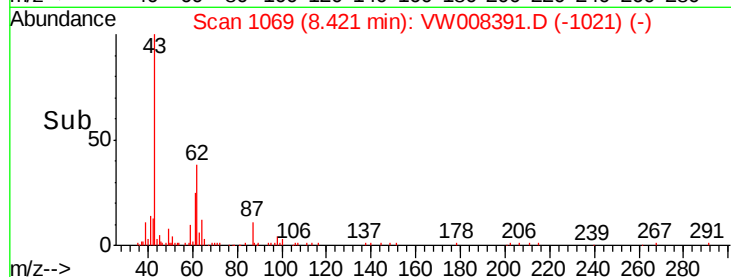
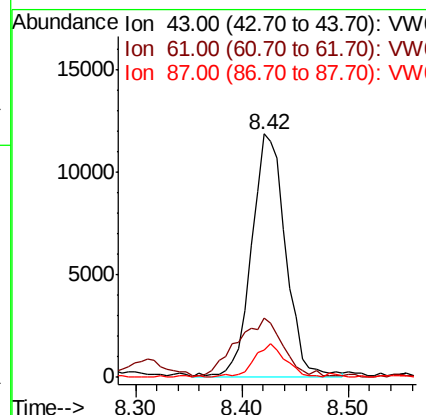
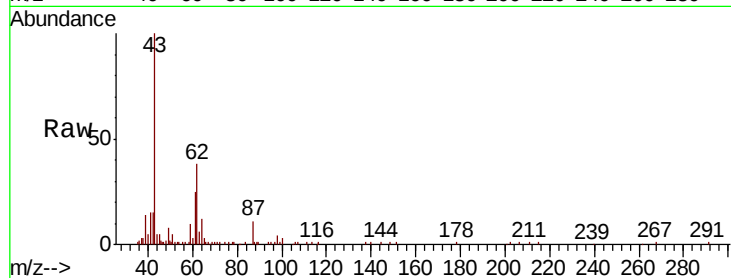




#43
Isopropyl Acetate
Concen: 17.650 ug/l
RT: 8.42 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

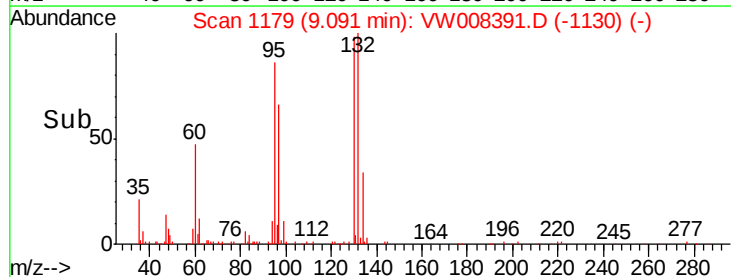
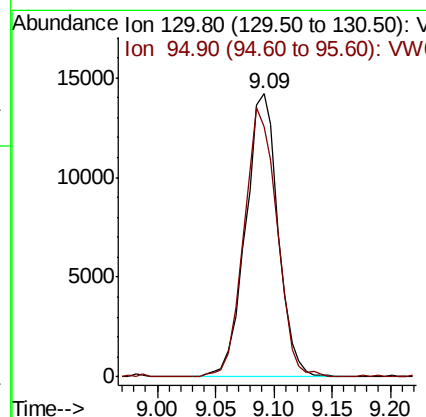
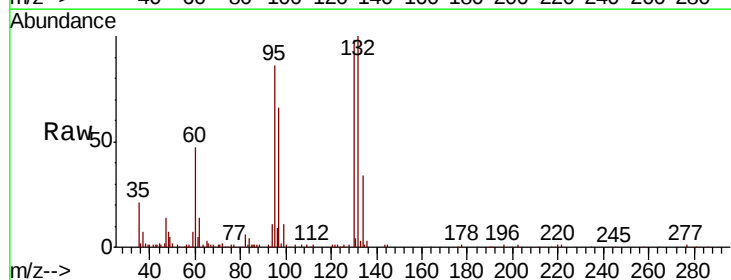
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

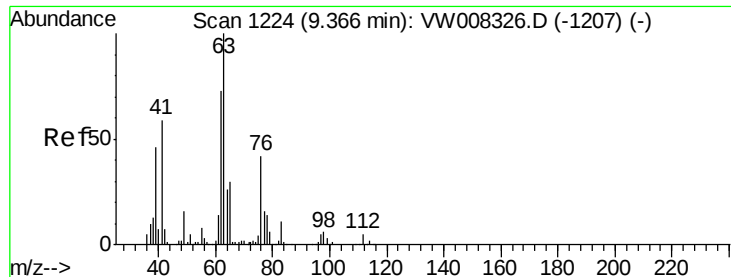
Tgt Ion: 43 Resp: 26798
Ion Ratio Lower Upper
43 100
61 31.9 24.8 37.2
87 12.7 10.7 16.1



#44
Trichloroethene
Concen: 18.275 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 130 Resp: 27645
Ion Ratio Lower Upper
130 100
95 88.6 0.0 184.8

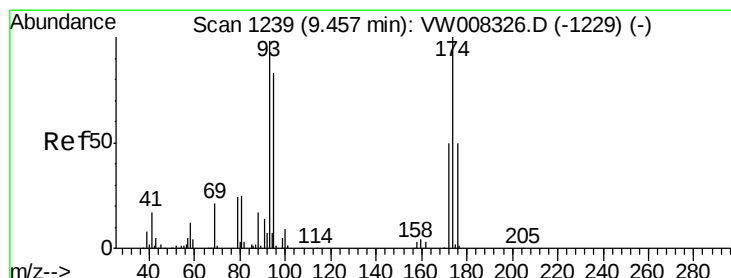
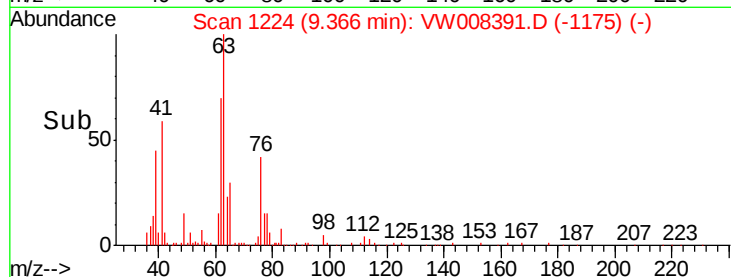
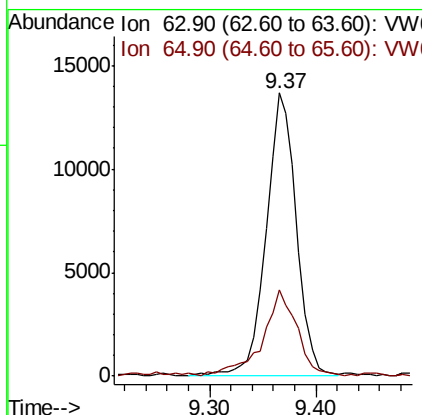
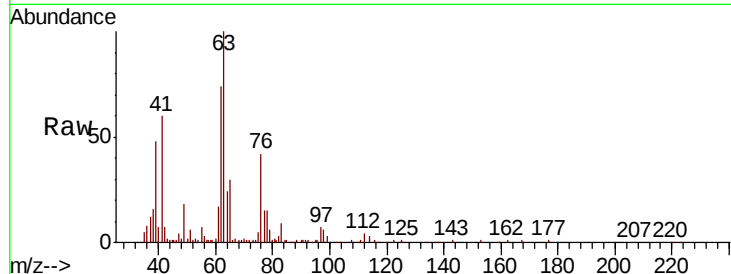




#45
 1,2-Dichloropropane
 Concen: 19.742 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

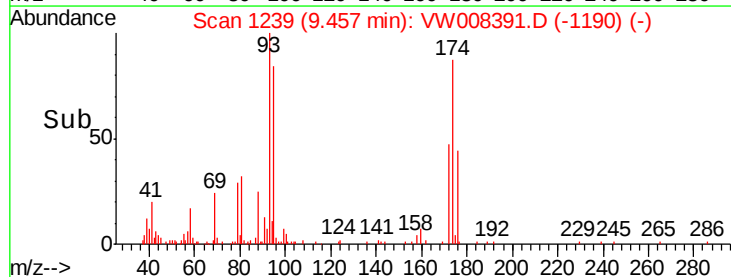
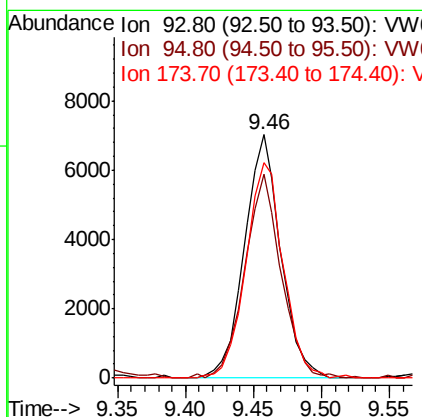
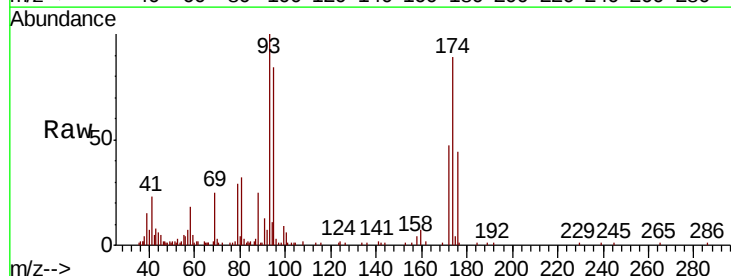
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

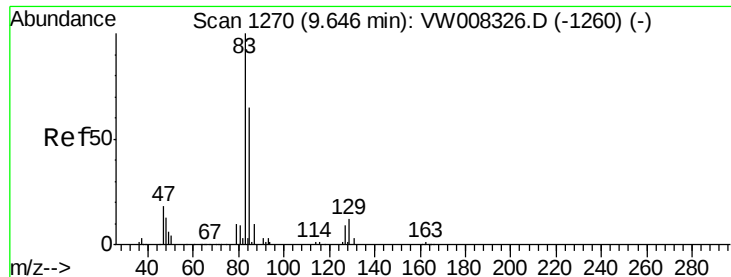
Tgt Ion: 63 Resp: 27077
 Ion Ratio Lower Upper
 63 100
 65 29.7 23.9 35.9



#46
 Dibromomethane
 Concen: 18.301 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion: 93 Resp: 13082
 Ion Ratio Lower Upper
 93 100
 95 84.8 67.8 101.8
 174 91.5 84.4 126.6





#47

Bromodichloromethane

Concen: 19.644 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

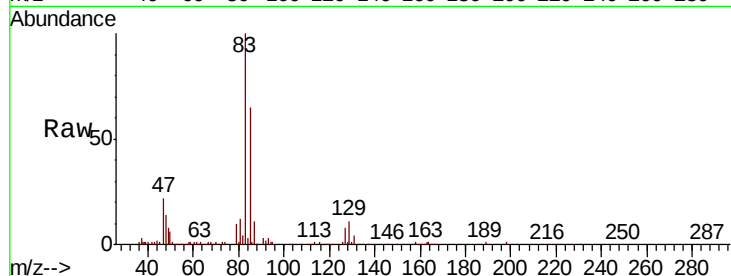
Tgt Ion: 83 Resp: 34637

Ion Ratio Lower Upper

83 100

85 64.8 51.6 77.4

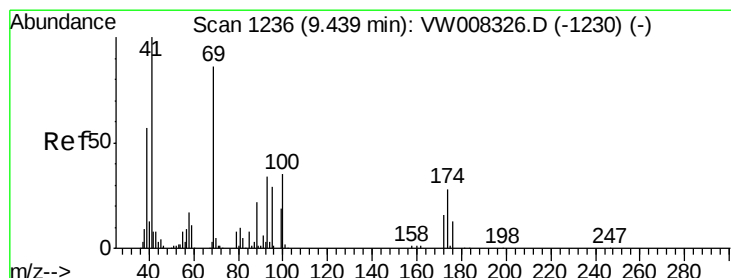
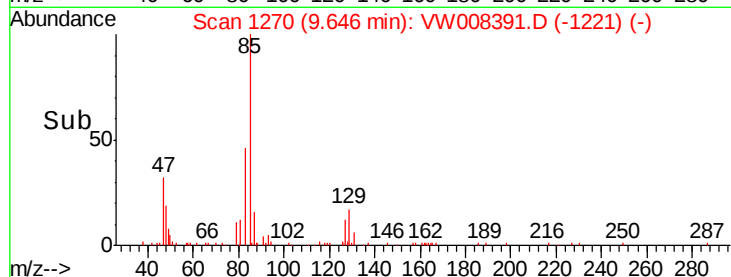
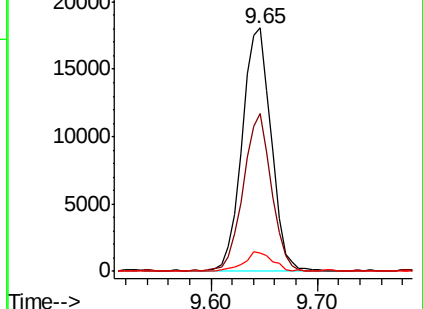
127 7.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 18.560 ug/l

RT: 9.43 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

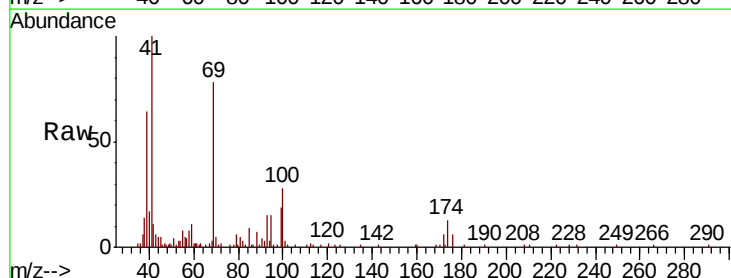
Tgt Ion: 41 Resp: 13266

Ion Ratio Lower Upper

41 100

69 81.4 68.2 102.4

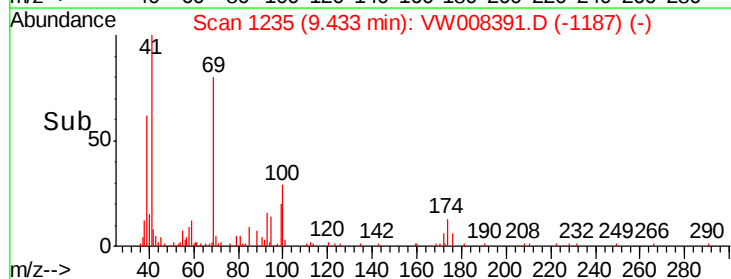
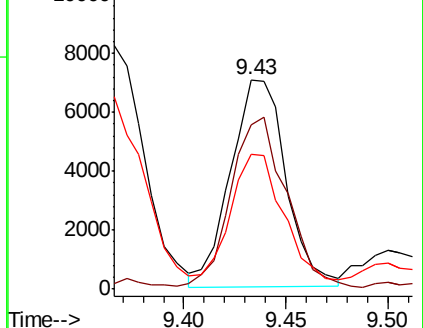
39 55.3 46.0 69.0

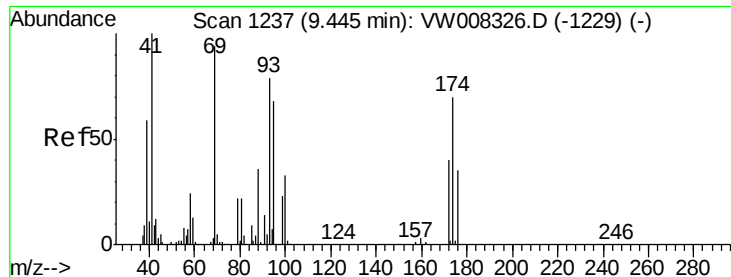


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 356.210 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

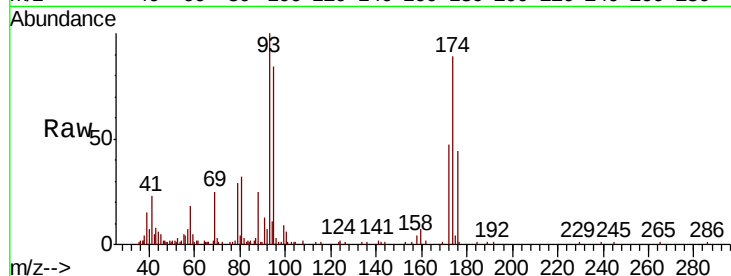
Tgt Ion: 88 Resp: 4099

Ion Ratio Lower Upper

88 100

43 27.6 27.1 40.7

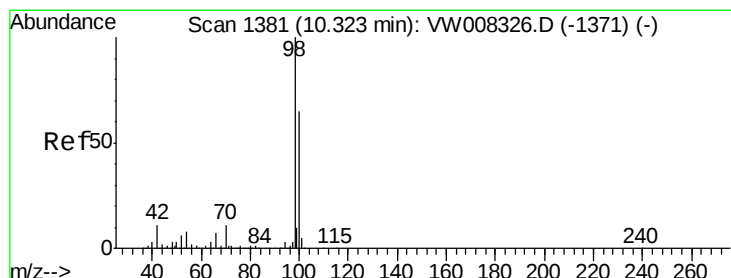
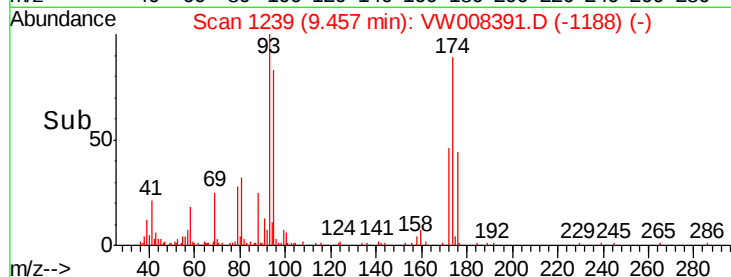
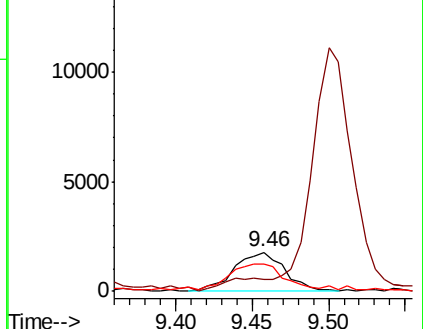
58 74.6 57.9 86.9



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.320 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW008391.D

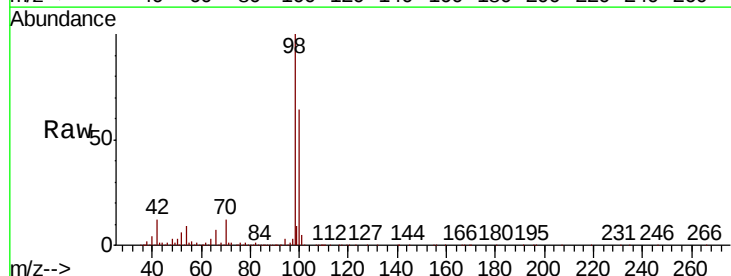
Acq: 22 Jan 2019 16:22

Tgt Ion: 98 Resp: 254197

Ion Ratio Lower Upper

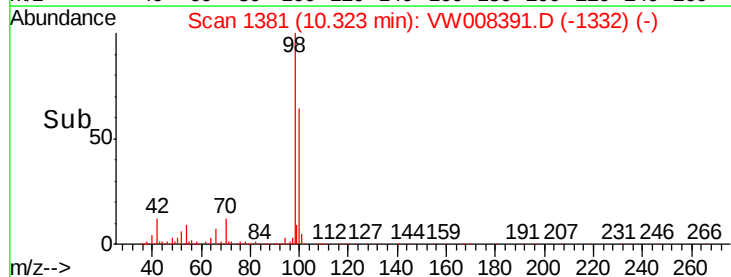
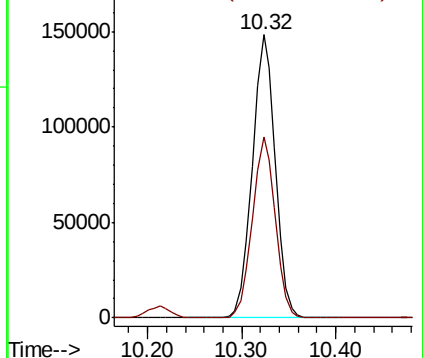
98 100

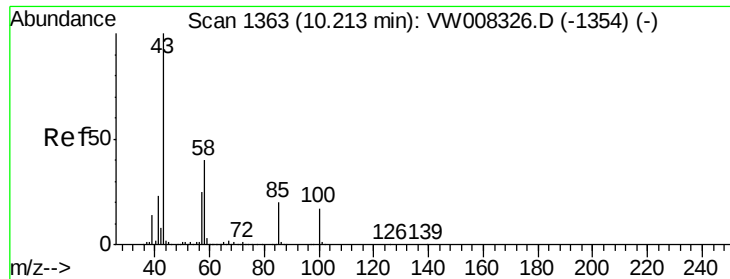
100 64.0 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

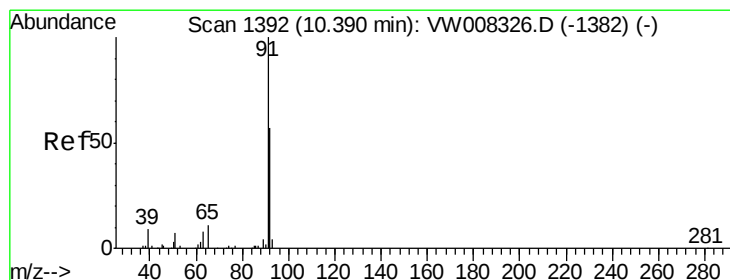
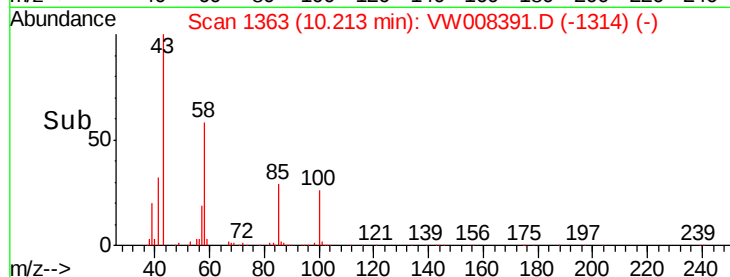
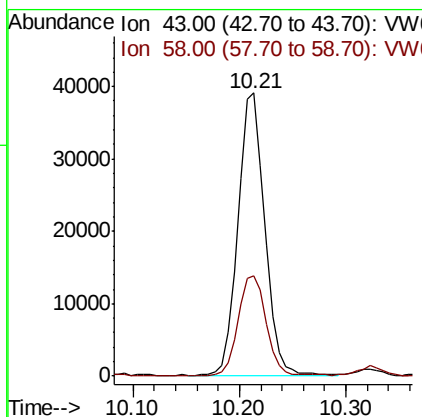
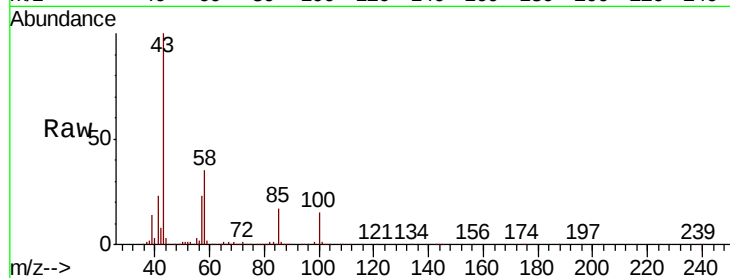




#51
4-Methyl-2-Pentanone
Concen: 90.228 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

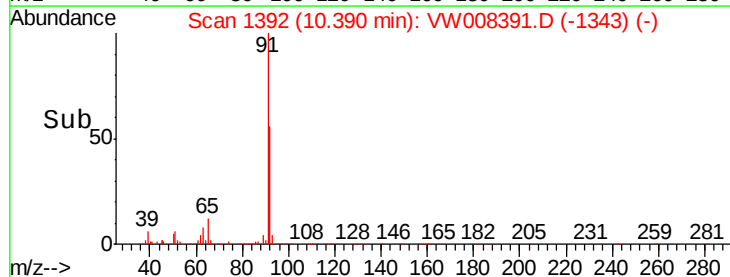
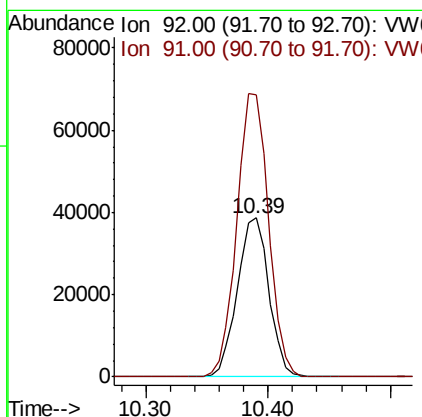
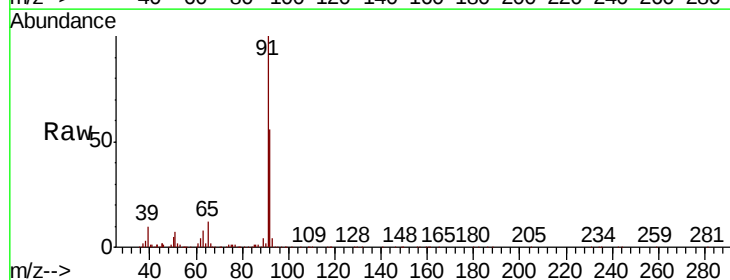
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

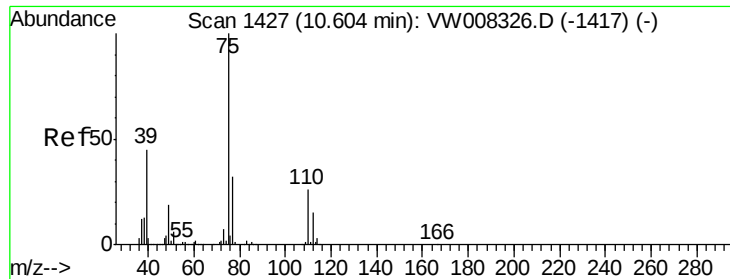
Tgt Ion: 43 Resp: 69369
Ion Ratio Lower Upper
43 100
58 37.5 31.4 47.0



#52
Toluene
Concen: 19.824 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 92 Resp: 69268
Ion Ratio Lower Upper
92 100
91 178.5 140.2 210.2





#53

t-1,3-Dichloropropene

Concen: 18.794 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

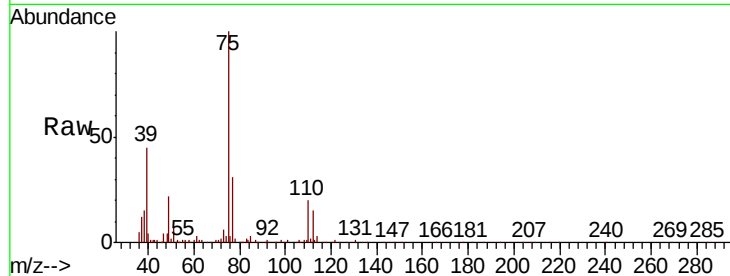
VW0122SBSD01

Tgt Ion: 75 Resp: 33074

Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

10.60

20000

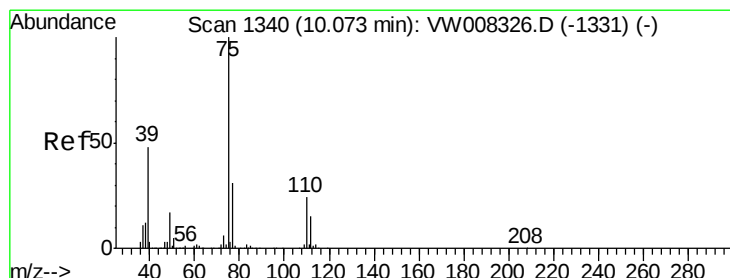
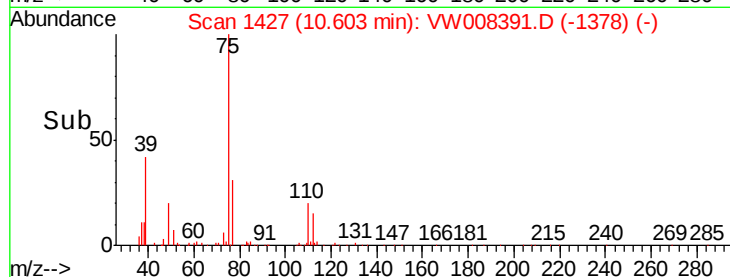
15000

10000

5000

0

Time--> 10.50 10.60 10.70



#54

cis-1,3-Dichloropropene

Concen: 19.050 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

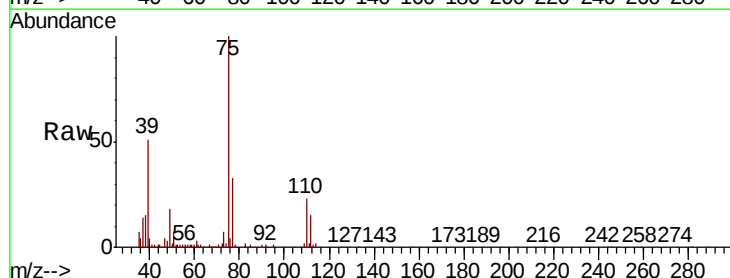
Tgt Ion: 75 Resp: 39520

Ion Ratio Lower Upper

75 100

77 33.0 24.4 36.6

39 49.2 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

10.07

30000

25000

20000

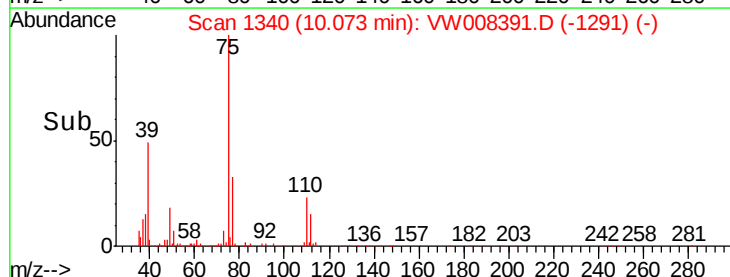
15000

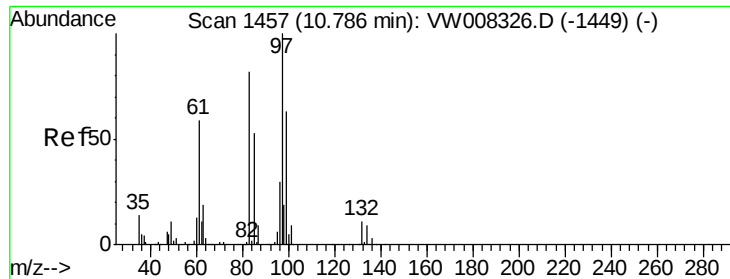
10000

5000

0

Time--> 10.00 10.05 10.10 10.15

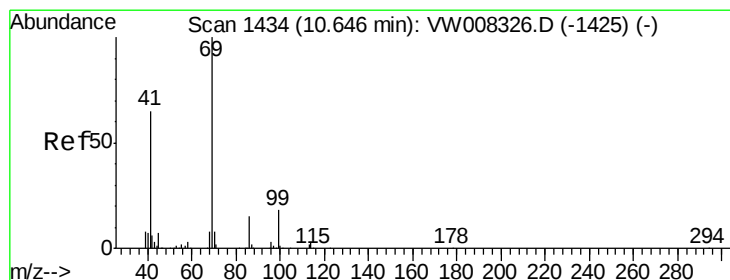
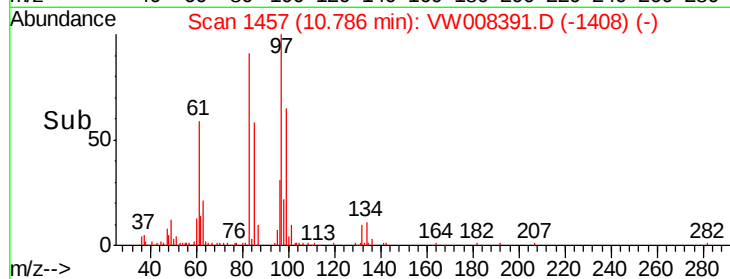
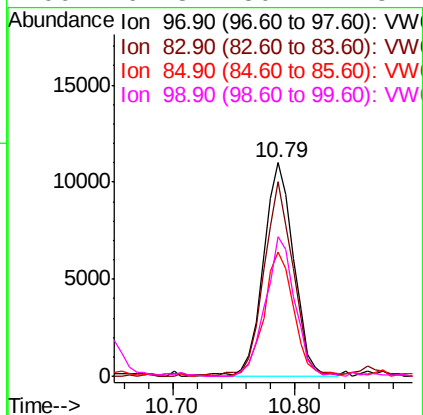
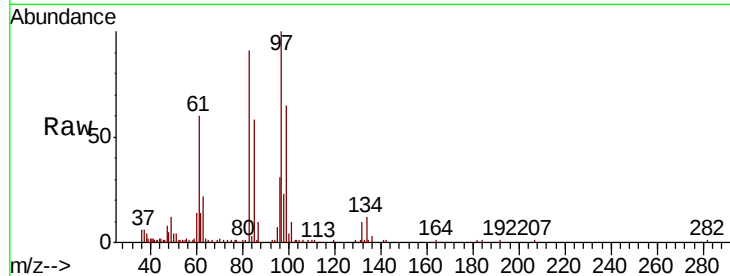




#55
 1,1,2-Trichloroethane
 Concen: 19.220 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

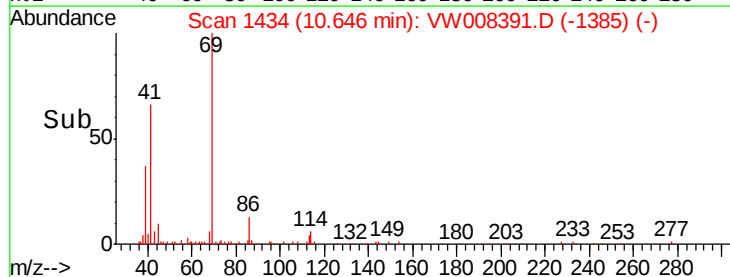
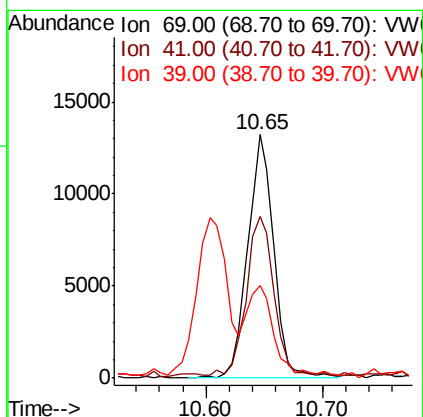
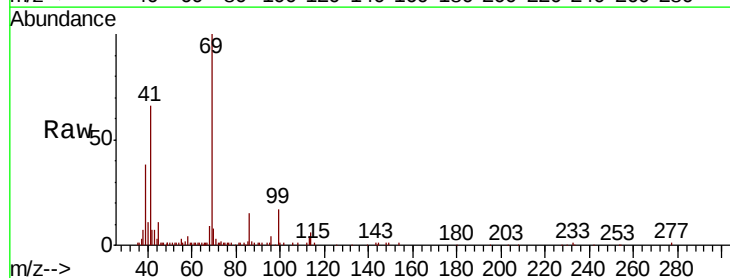
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

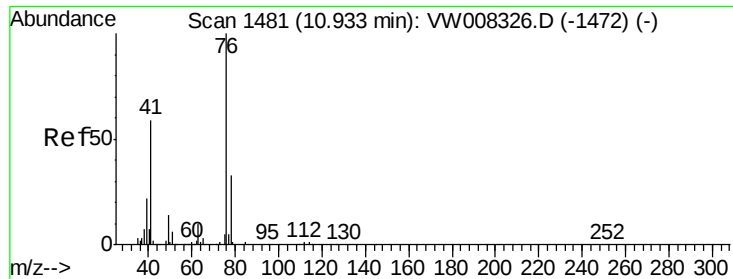
Tgt Ion:	97	Resp:	19056
Ion	Ratio	Lower	Upper
97	100		
83	90.4	65.3	97.9
85	57.9	42.6	64.0
99	64.8	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 17.748 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion:	69	Resp:	20665
Ion	Ratio	Lower	Upper
69	100		
41	67.5	52.9	79.3
39	35.9	28.4	42.6





#57

1,3-Dichloropropane

Concen: 18.820 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

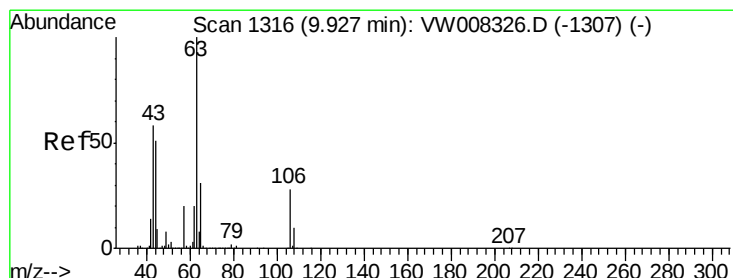
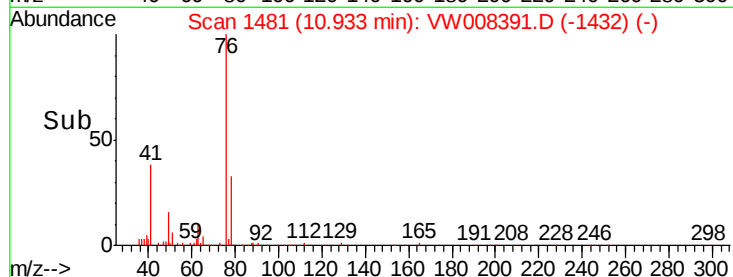
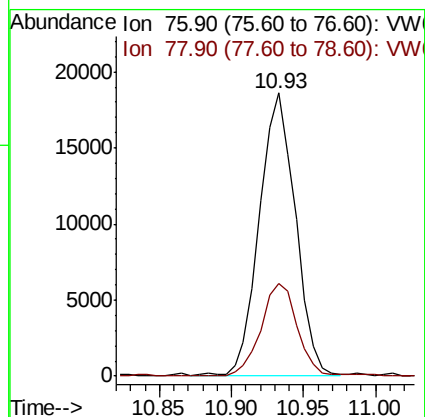
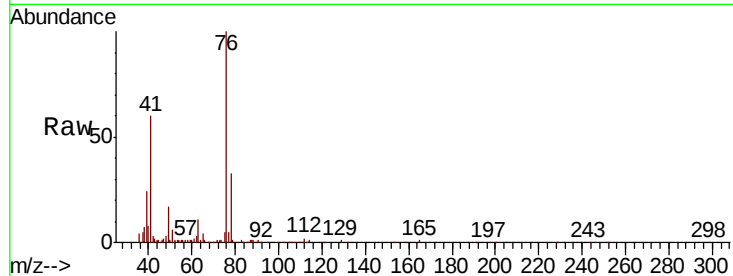
VW0122SBSD01

Tgt Ion: 76 Resp: 32398

Ion Ratio Lower Upper

76 100

78 33.2 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 100.157 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008391.D

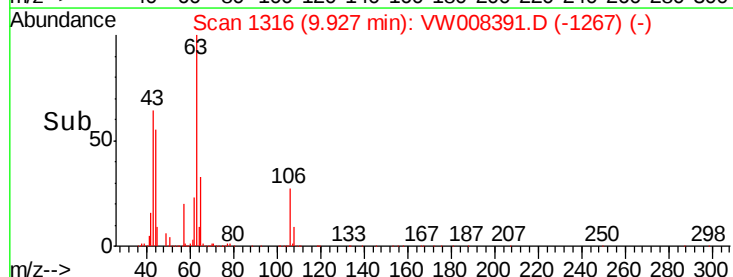
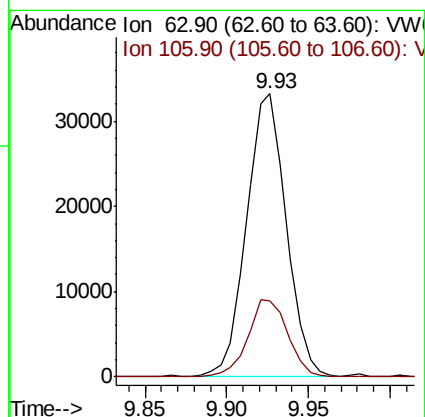
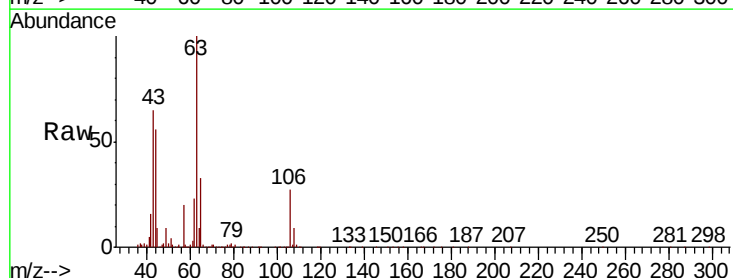
Acq: 22 Jan 2019 16:22

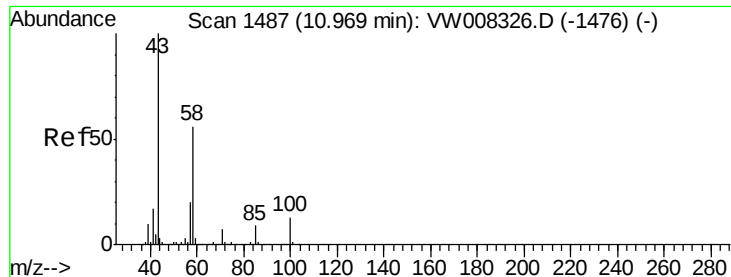
Tgt Ion: 63 Resp: 56253

Ion Ratio Lower Upper

63 100

106 27.5 22.9 34.3

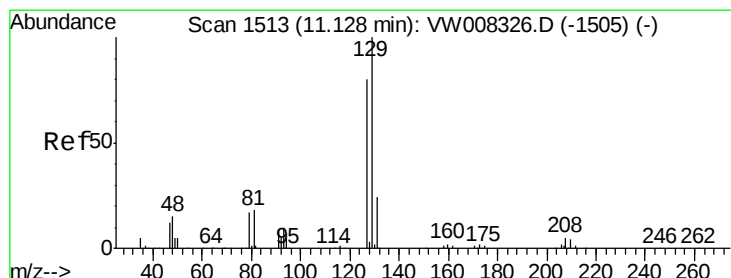
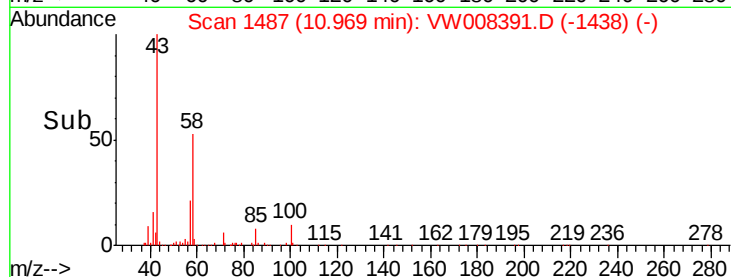
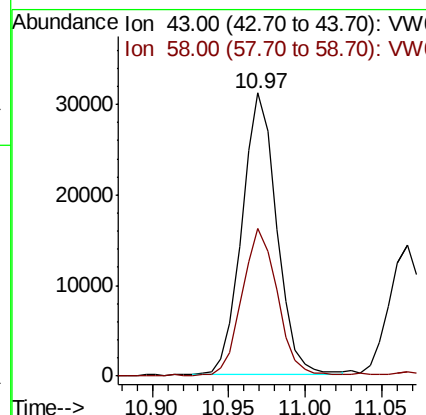
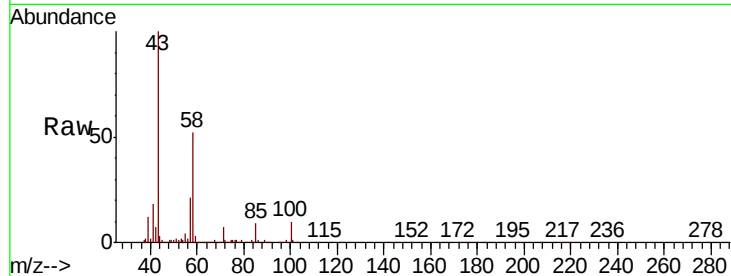




#59
2-Hexanone
Concen: 91.663 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

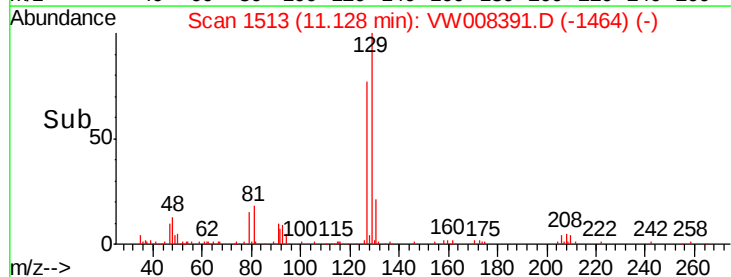
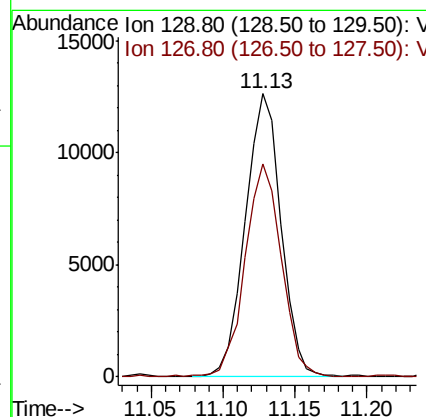
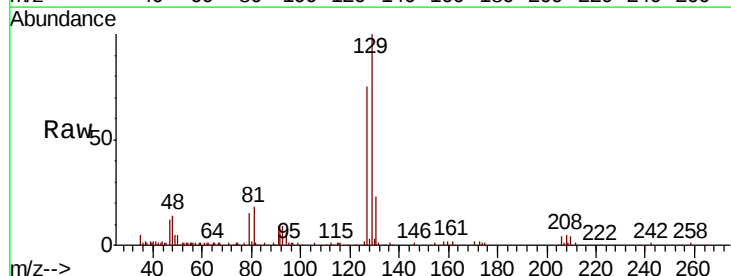
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

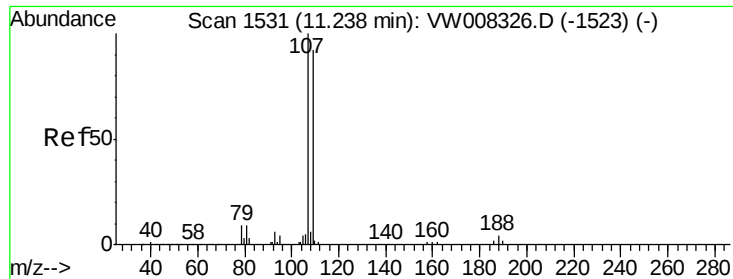
Tgt Ion: 43 Resp: 49377
Ion Ratio Lower Upper
43 100
58 53.4 27.5 82.5



#60
Dibromochloromethane
Concen: 18.298 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 129 Resp: 21652
Ion Ratio Lower Upper
129 100
127 76.9 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.025 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

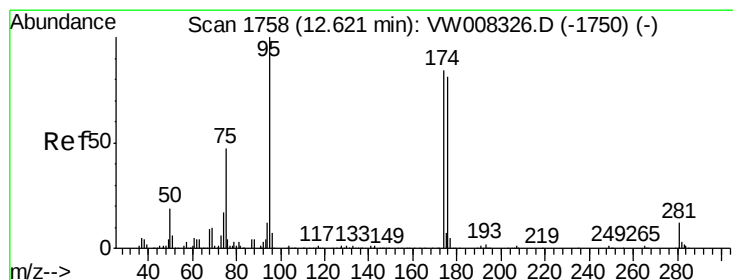
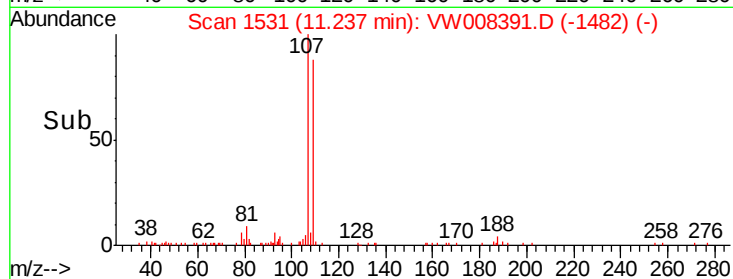
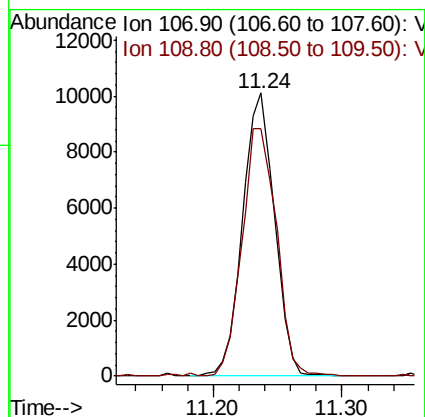
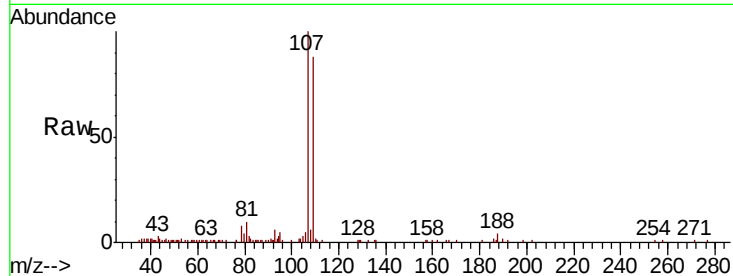
VW0122SBSD01

Tgt Ion: 107 Resp: 17305

Ion Ratio Lower Upper

107 100

109 94.4 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 50.138 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

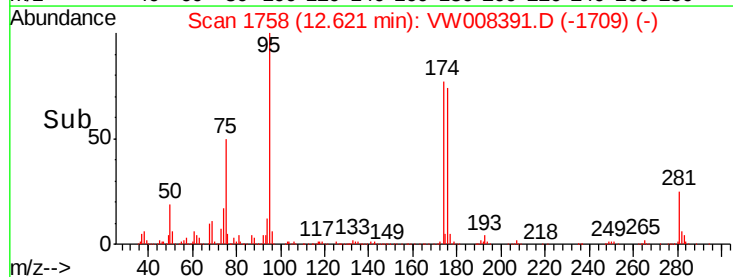
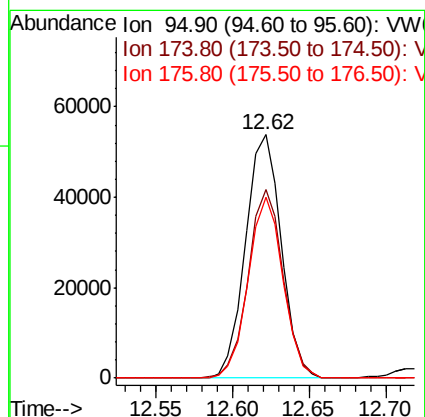
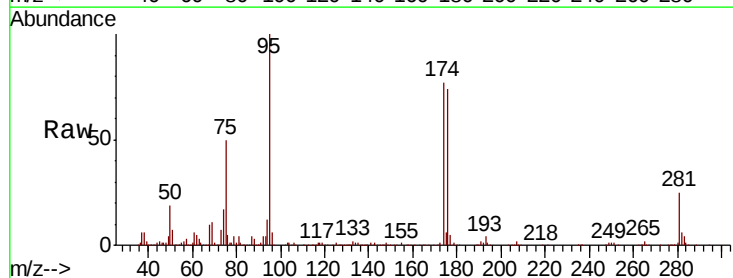
Tgt Ion: 95 Resp: 87365

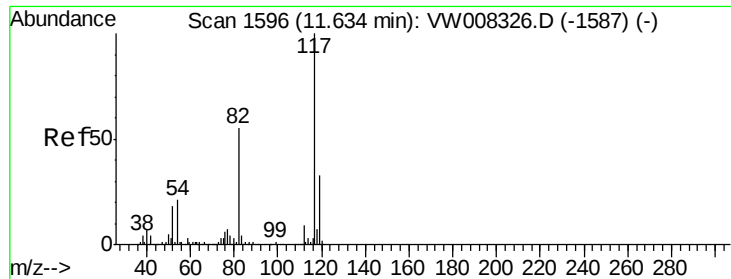
Ion Ratio Lower Upper

95 100

174 76.0 0.0 166.0

176 72.6 0.0 160.0

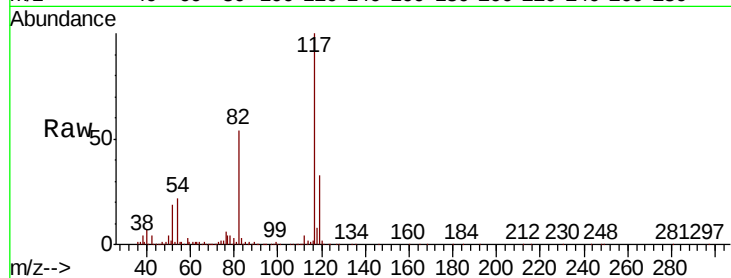




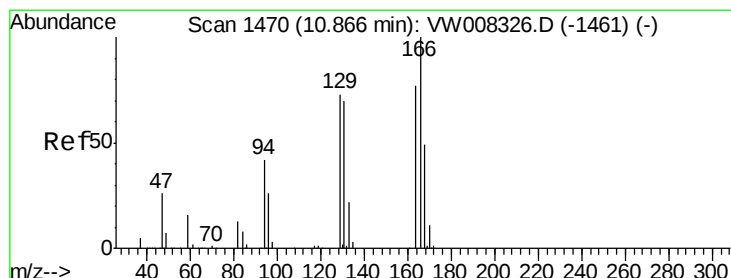
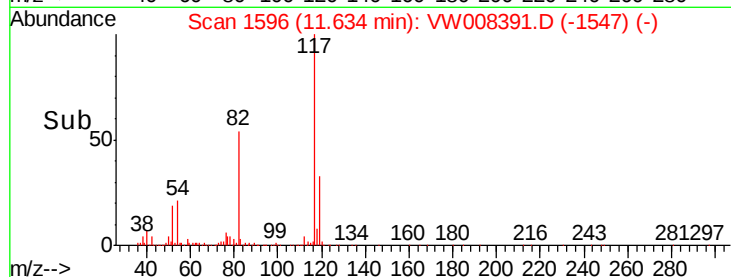
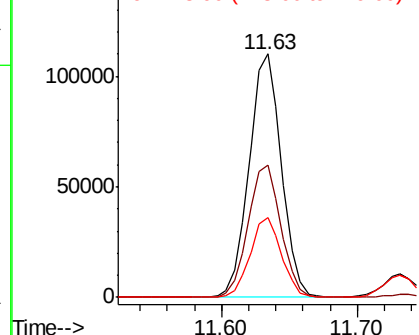
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tgt Ion:117 Resp: 183063
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 32.6 26.3 39.5

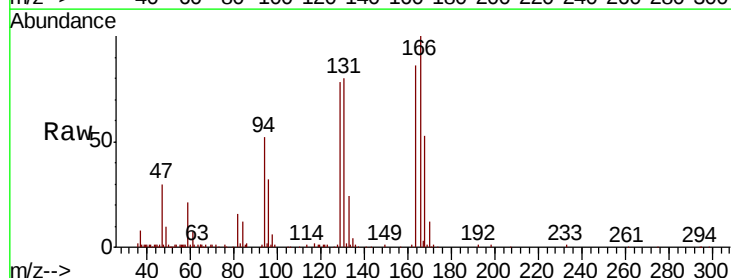


Abundance Ion 116.90 (116.60 to 117.60): V
150000 Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

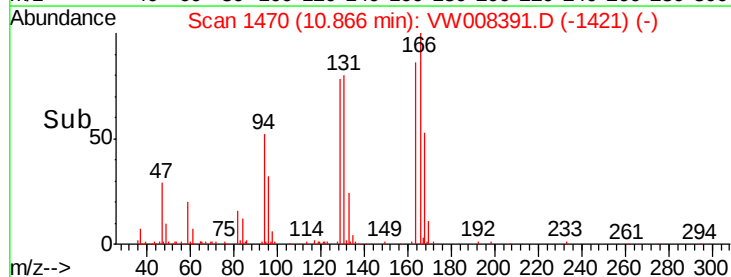
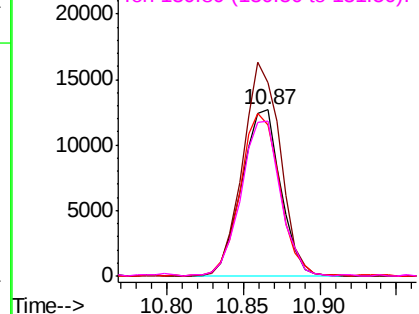


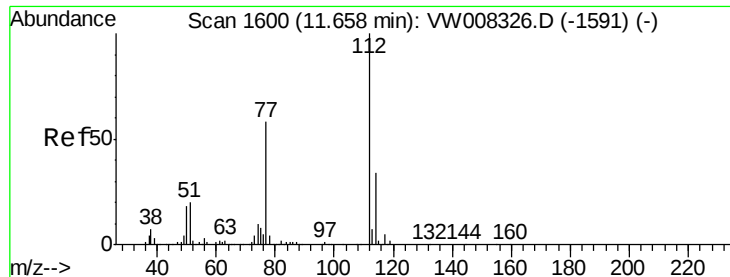
#64
Tetrachloroethene
Concen: 17.540 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion:164 Resp: 22515
Ion Ratio Lower Upper
164 100
166 116.2 103.4 155.2
129 90.5 75.0 112.6
131 92.6 72.9 109.3



Abundance Ion 163.80 (163.50 to 164.50): V
25000 Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 18.777 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

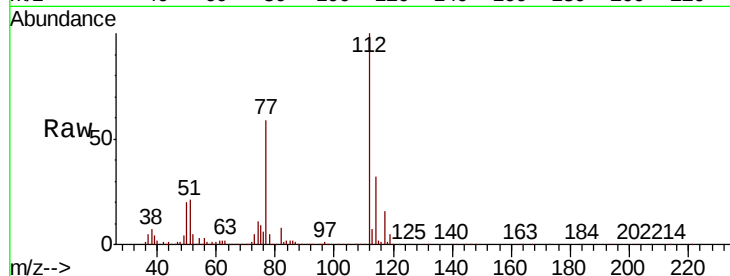
VW0122SBSD01

Tgt Ion:112 Resp: 74977

Ion Ratio Lower Upper

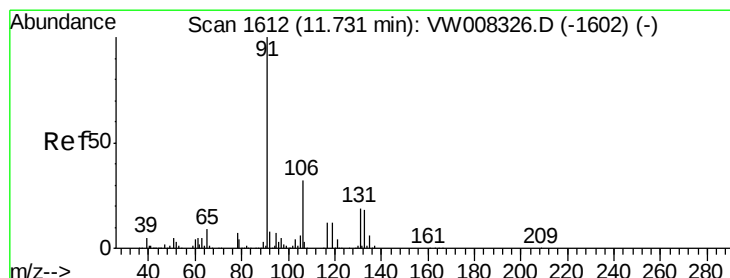
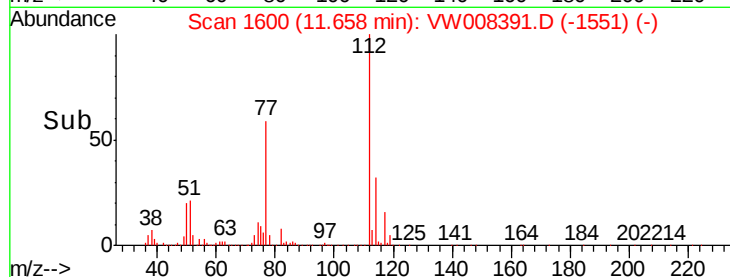
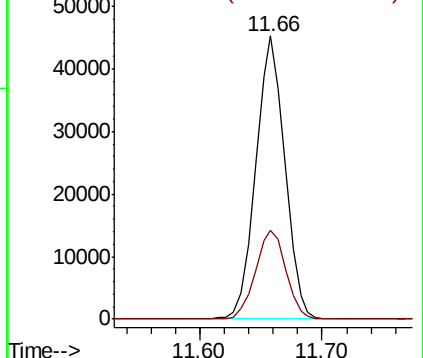
112 100

114 31.5 26.9 40.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 18.182 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

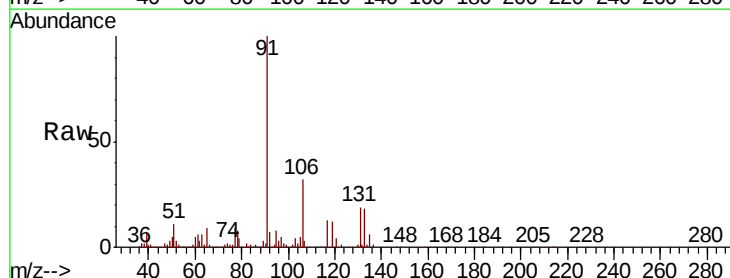
Tgt Ion:131 Resp: 24988

Ion Ratio Lower Upper

131 100

133 96.7 48.2 144.6

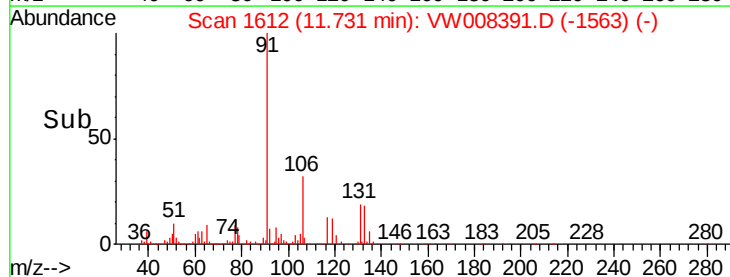
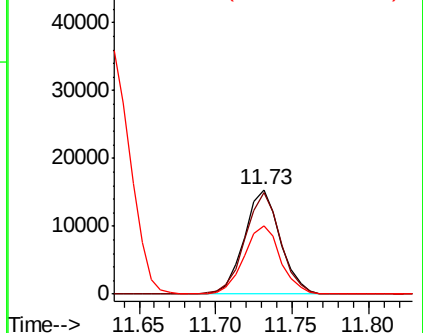
119 66.9 31.6 94.7

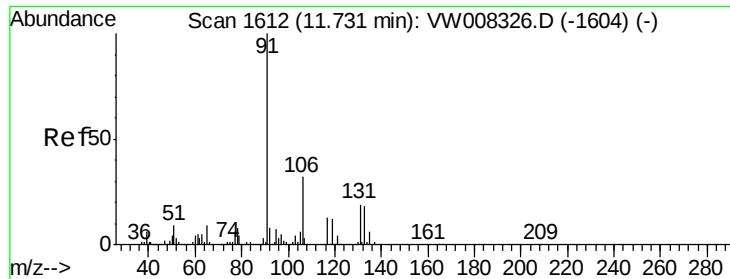


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

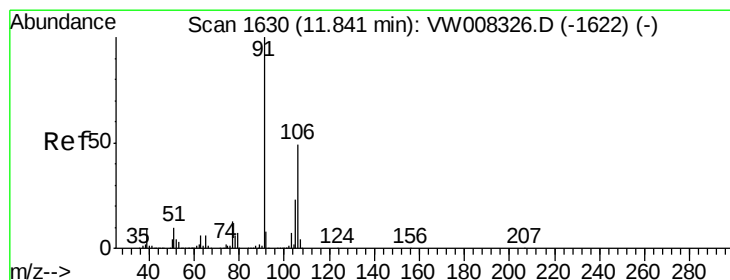
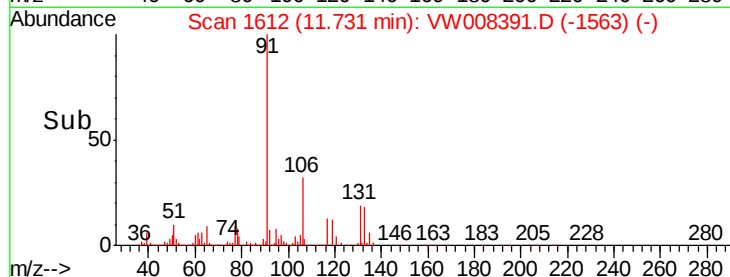
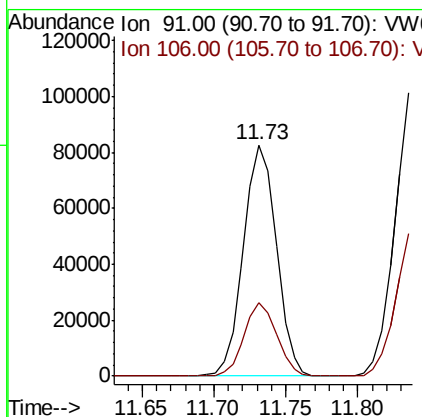
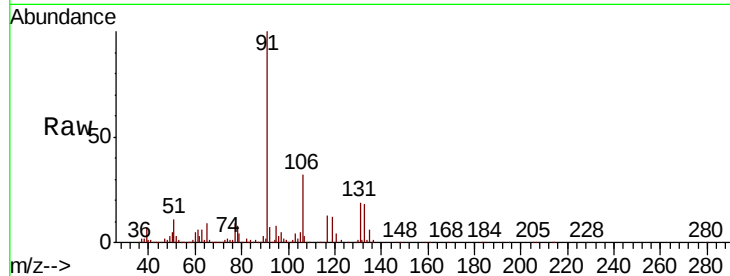




#67
Ethyl Benzene
Concen: 19.011 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

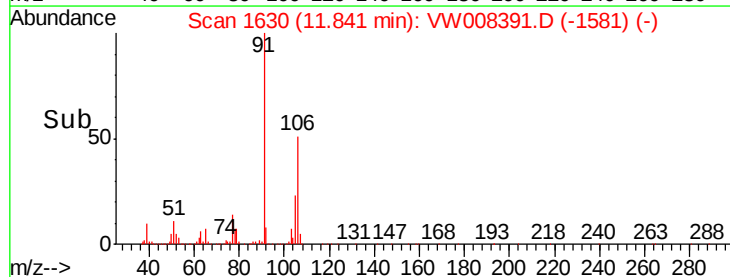
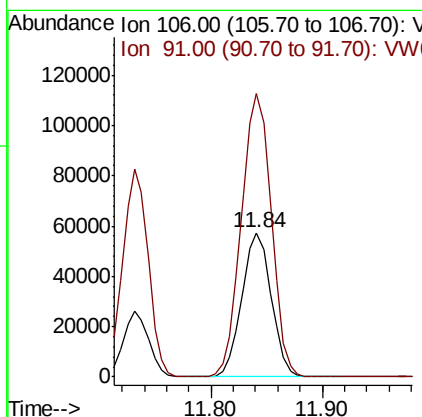
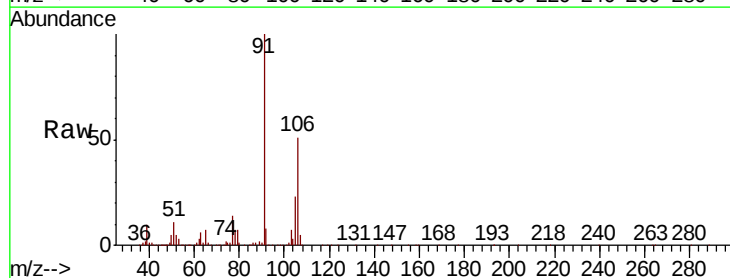
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

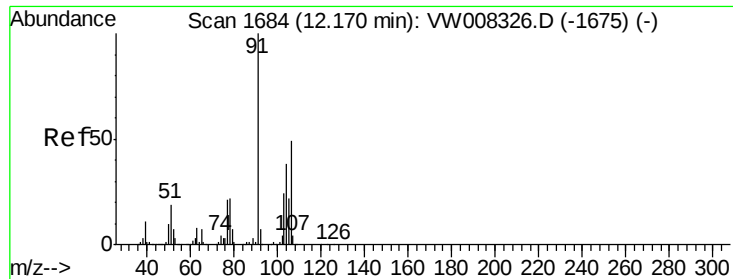
Tgt Ion: 91 Resp: 131808
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 39.168 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 106 Resp: 105403
Ion Ratio Lower Upper
106 100
91 199.9 158.4 237.6

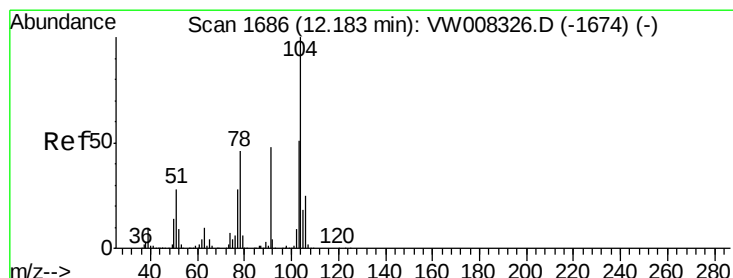
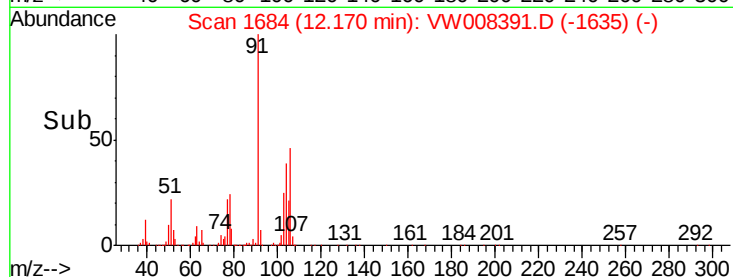
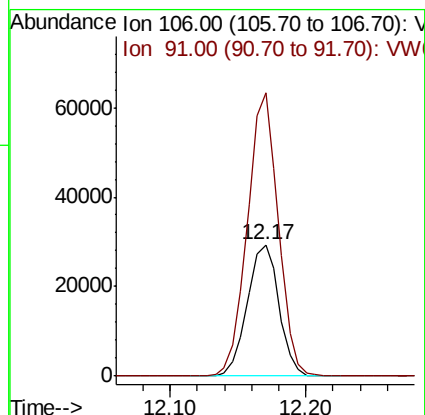
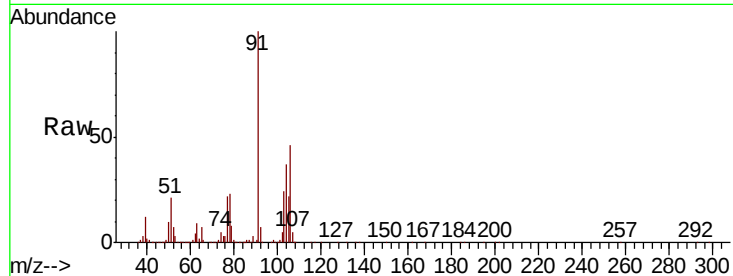




#69
o-Xylene
Concen: 19.073 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

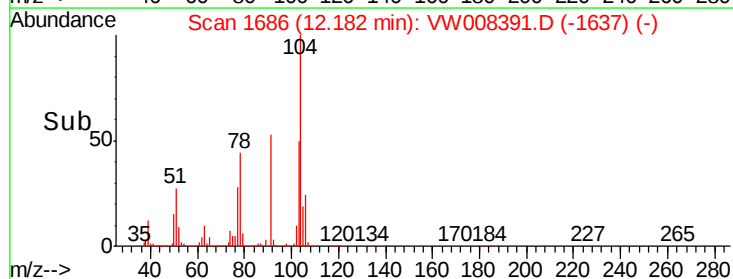
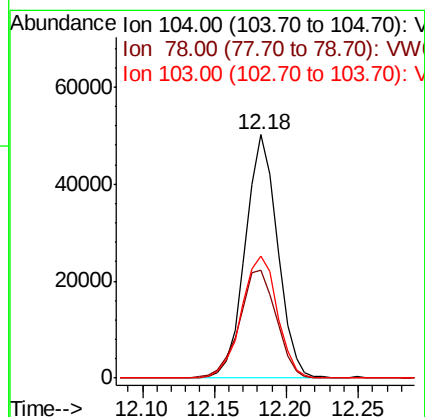
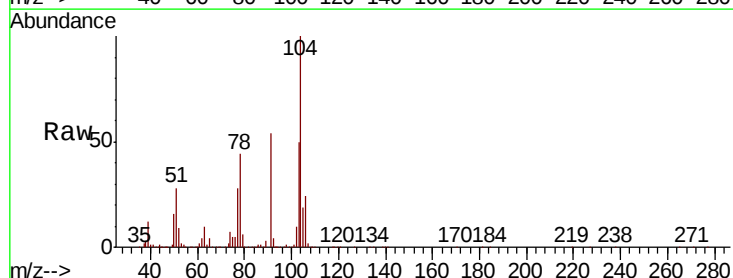
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

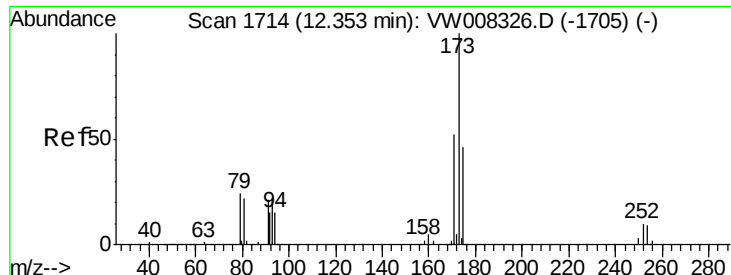
Tgt Ion:106 Resp: 47954
Ion Ratio Lower Upper
106 100
91 209.3 104.1 312.3



#70
Styrene
Concen: 19.308 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion:104 Resp: 77972
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.6
103 55.9 44.0 66.0





#71

Bromoform

Concen: 17.521 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

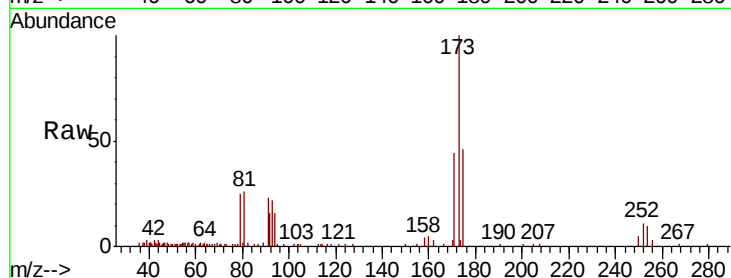
Tgt Ion:173 Resp: 11995

Ion Ratio Lower Upper

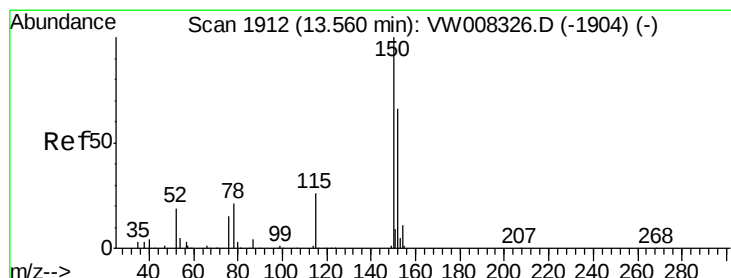
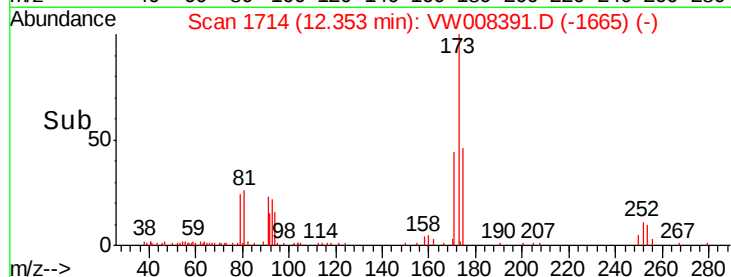
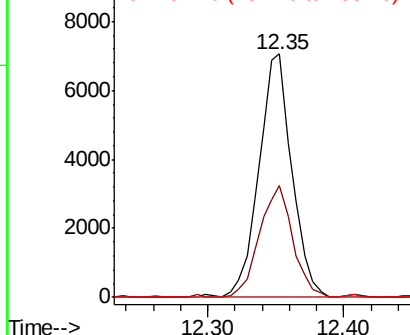
173 100

175 46.2 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: VW008391.D

Acq: 22 Jan 2019 16:22

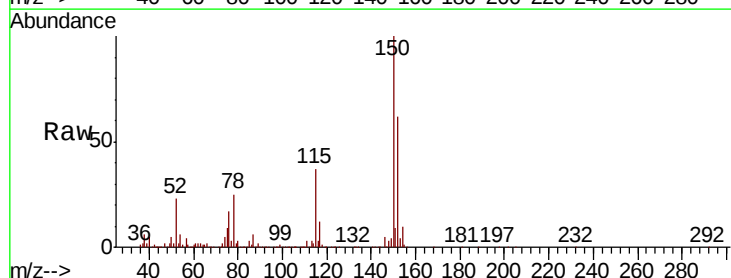
Tgt Ion:152 Resp: 93680

Ion Ratio Lower Upper

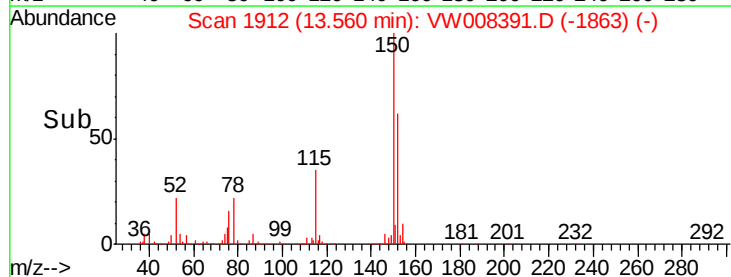
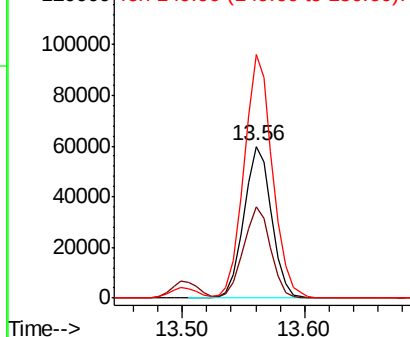
152 100

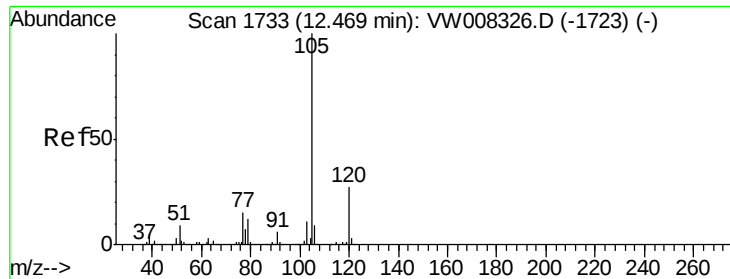
115 59.1 28.8 86.4

150 165.4 0.0 351.4



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





#73

Isopropylbenzene

Concen: 19.946 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

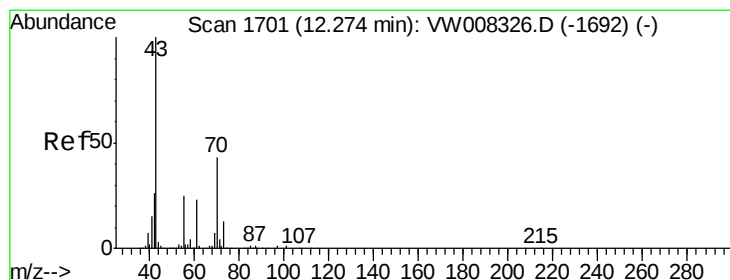
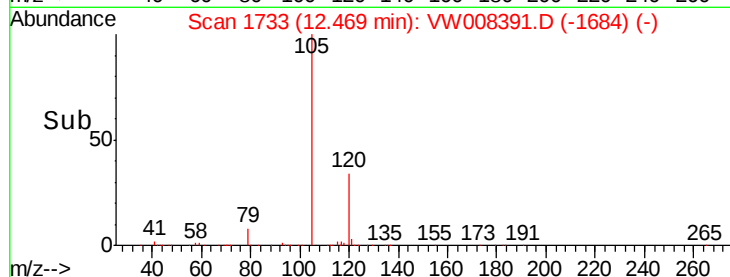
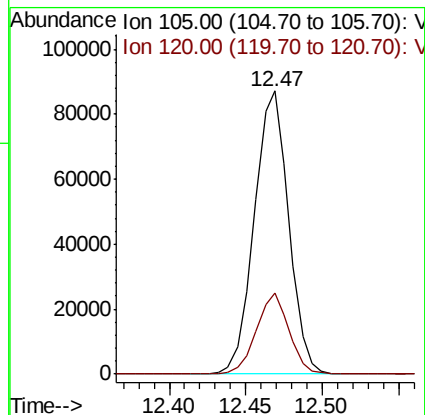
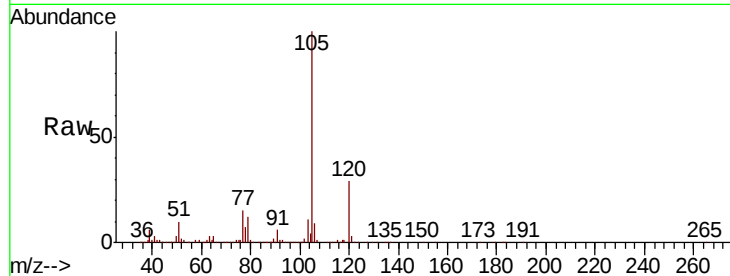
VW0122SBSD01

Tgt Ion:105 Resp: 136146

Ion Ratio Lower Upper

105 100

120 27.2 13.6 40.8



#74

N-ethyl acetate

Concen: 16.600 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Tgt Ion: 43 Resp: 24283

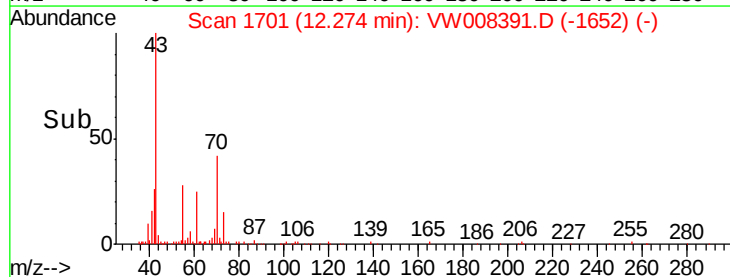
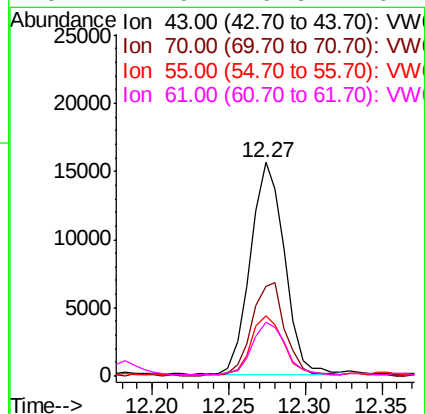
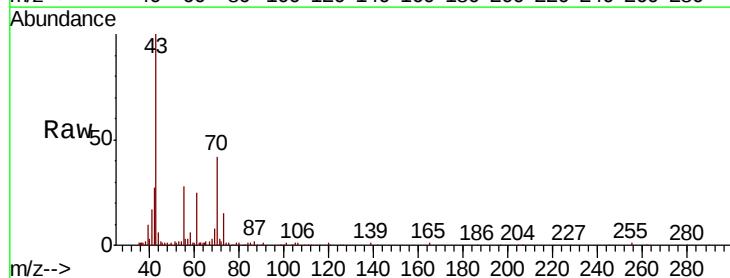
Ion Ratio Lower Upper

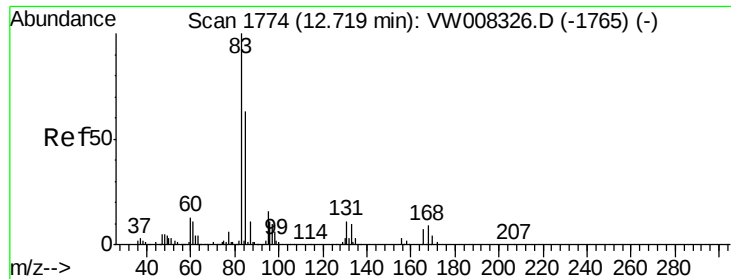
43 100

70 43.1 34.6 52.0

55 26.3 20.0 30.0

61 24.9 19.6 29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.307 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

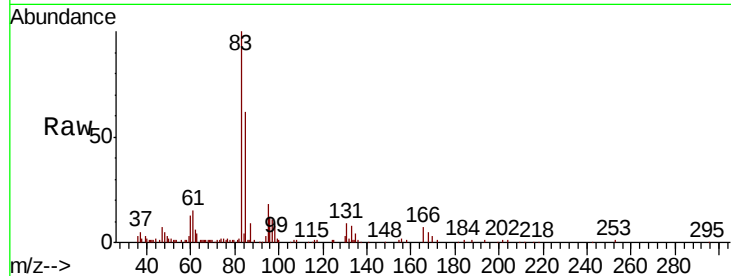
Tgt Ion: 83 Resp: 21255

Ion Ratio Lower Upper

83 100

131 12.2 5.5 16.5

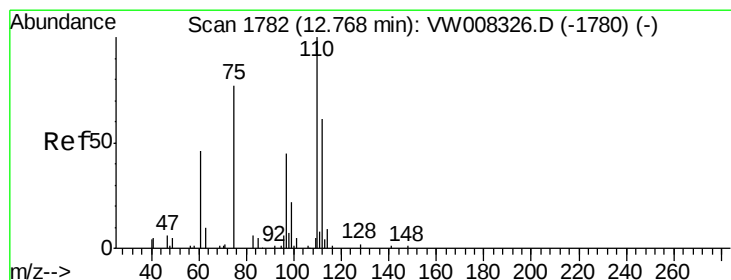
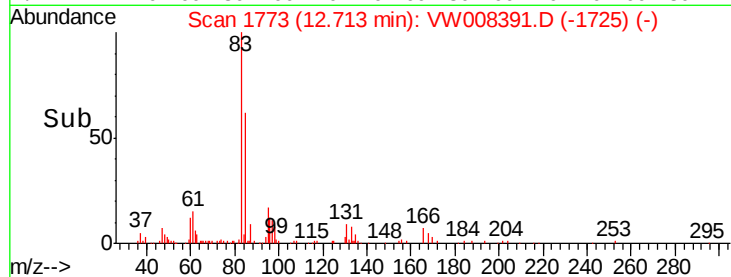
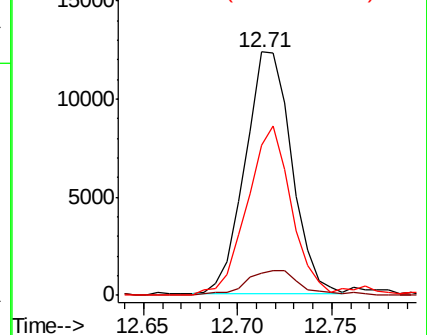
85 66.9 31.6 94.7



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 32.160 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW008391.D

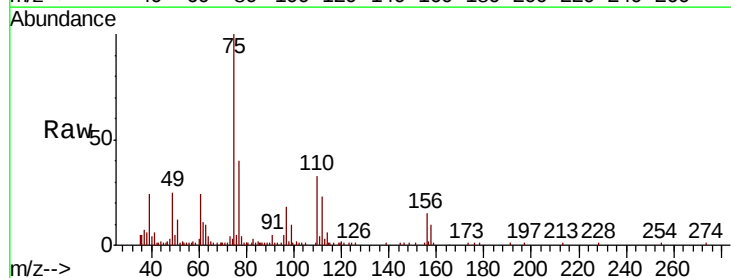
Acq: 22 Jan 2019 16:22

Tgt Ion: 75 Resp: 27436

Ion Ratio Lower Upper

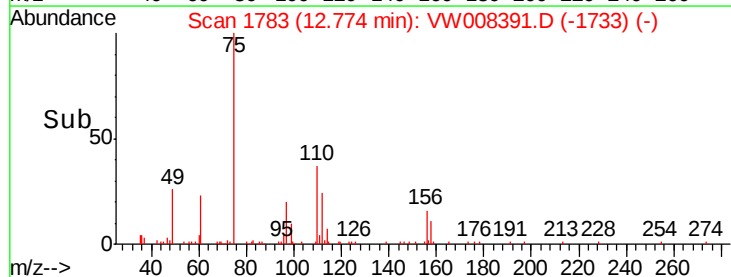
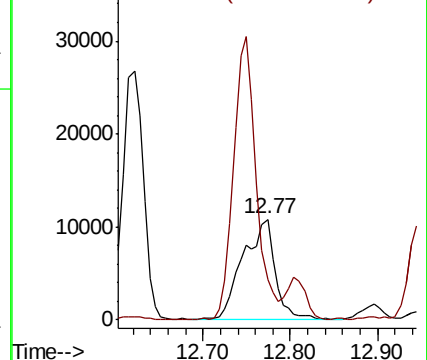
75 100

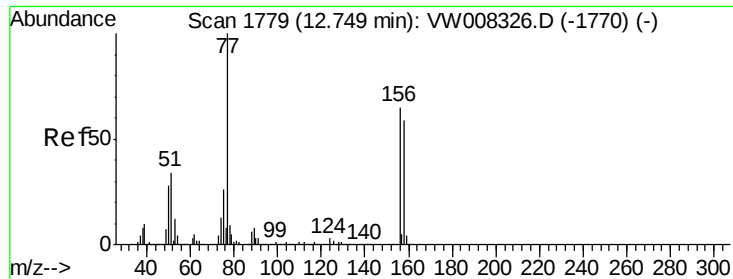
77 0.0 175.3 526.1#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 18.022 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

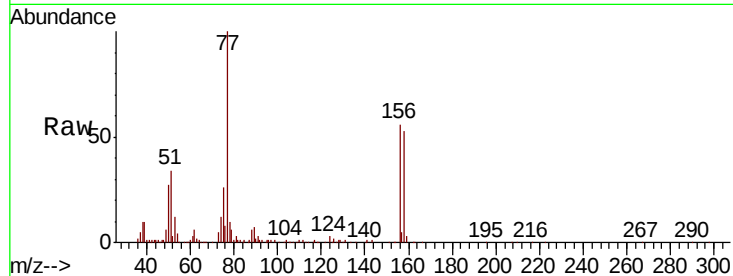
Tgt Ion:156 Resp: 29548

Ion Ratio Lower Upper

156 100

77 186.8 88.3 264.9

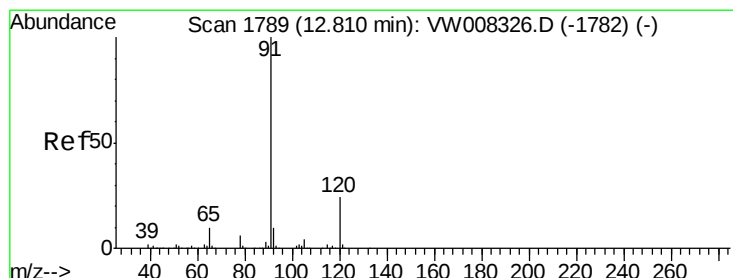
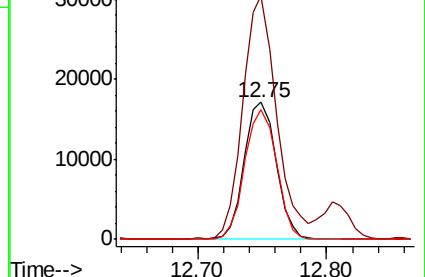
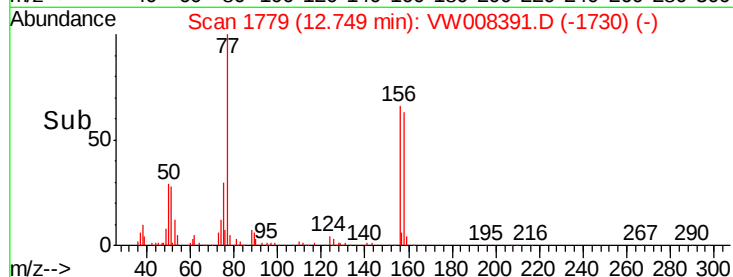
158 93.7 47.6 142.8



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: 20.010 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW008391.D

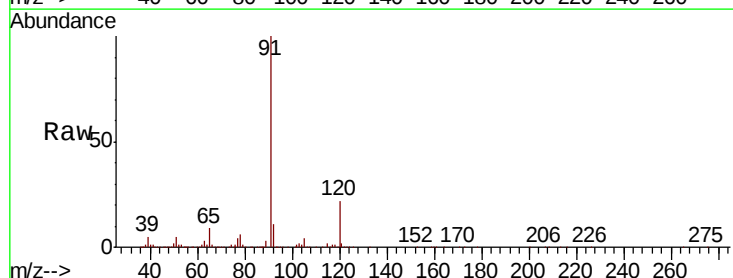
Acq: 22 Jan 2019 16:22

Tgt Ion: 91 Resp: 165320

Ion Ratio Lower Upper

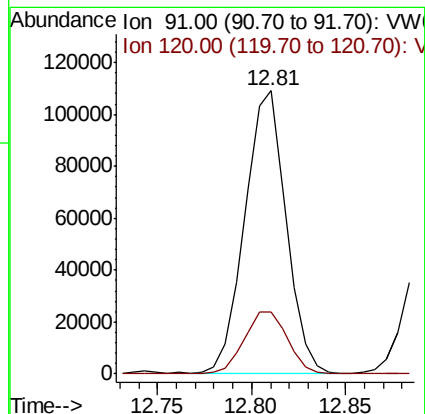
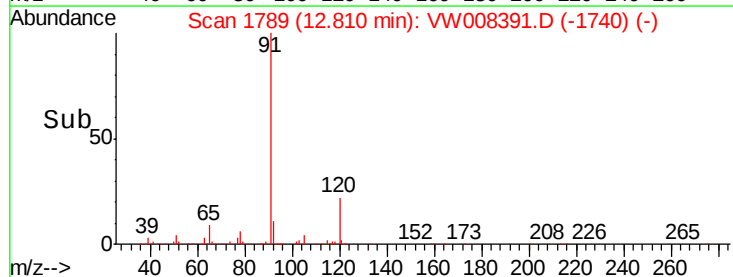
91 100

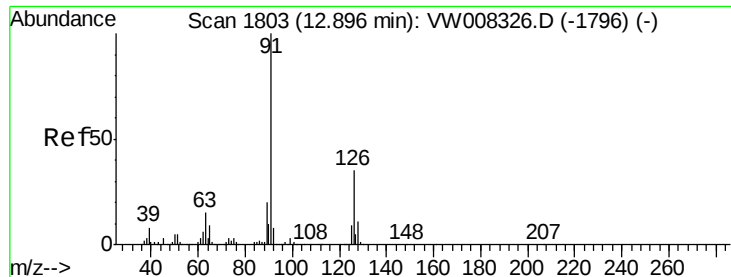
120 23.1 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.386 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

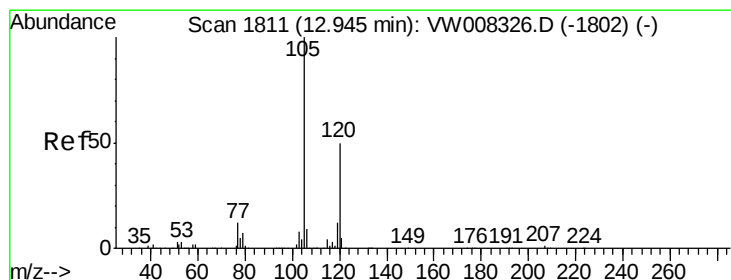
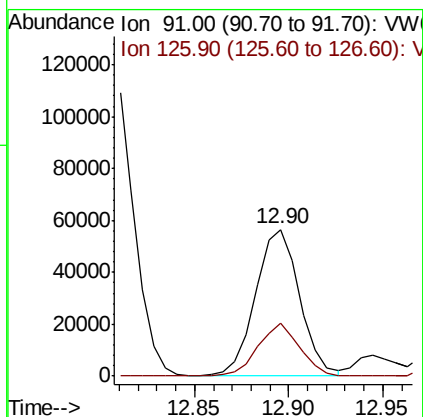
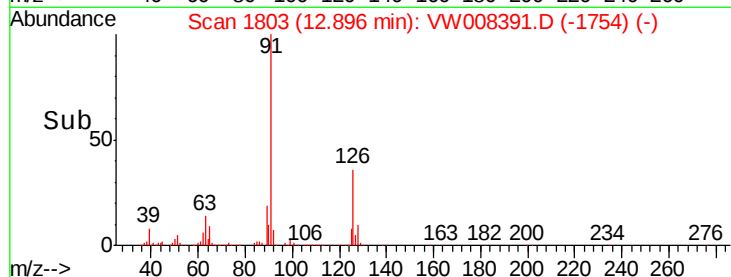
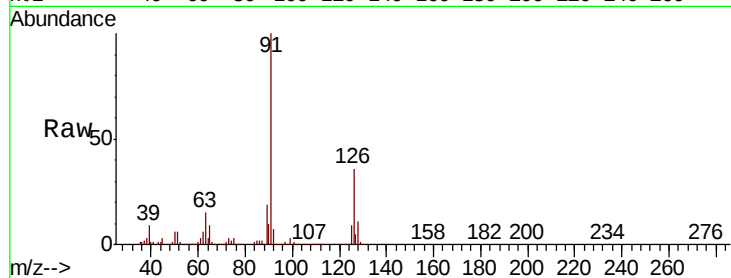
VW0122SBSD01

Tgt Ion: 91 Resp: 91512

Ion Ratio Lower Upper

91 100

126 34.0 17.5 52.6



#80

1,3,5-Trimethylbenzene

Concen: 20.041 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008391.D

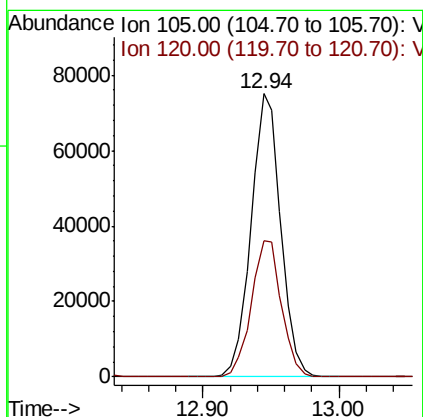
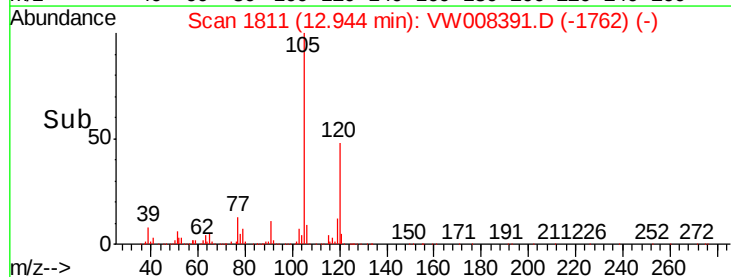
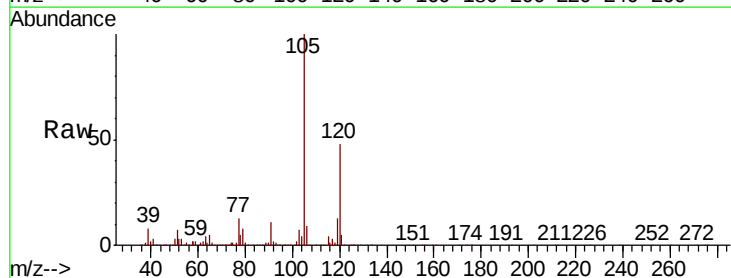
Acq: 22 Jan 2019 16:22

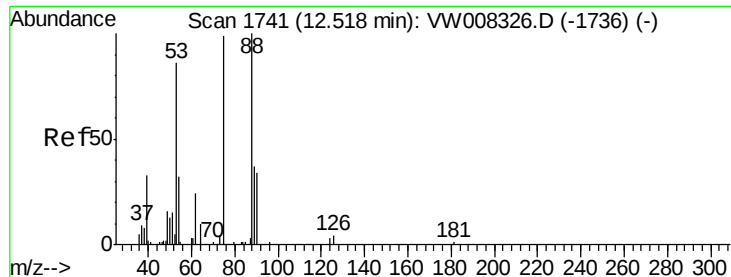
Tgt Ion: 105 Resp: 114151

Ion Ratio Lower Upper

105 100

120 49.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.497 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

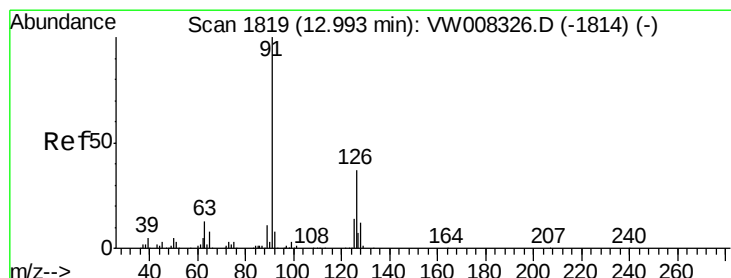
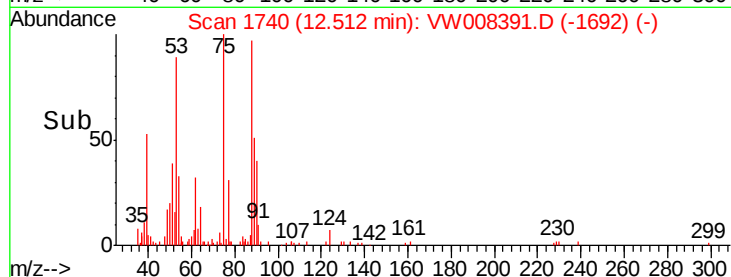
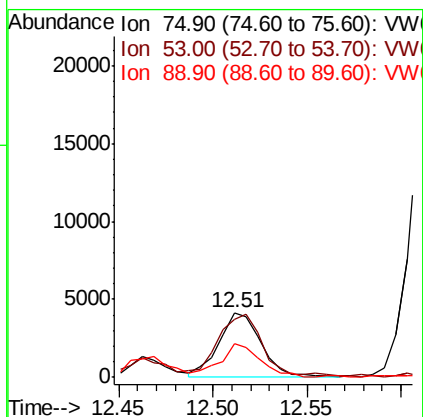
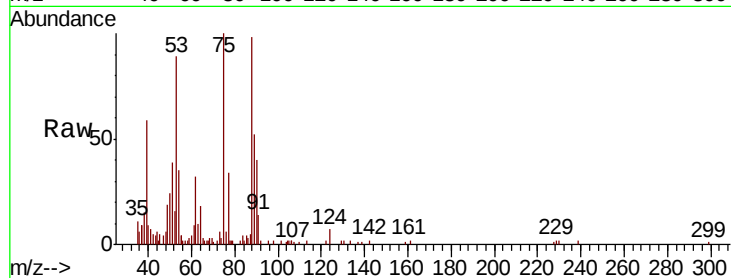
Tgt Ion: 75 Resp: 6255

Ion Ratio Lower Upper

75 100

53 100.5 76.2 114.4

89 51.8 36.7 55.1



#82

4-Chlorotoluene

Concen: 19.974 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW008391.D

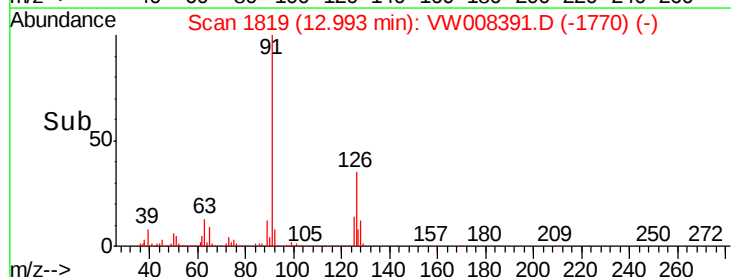
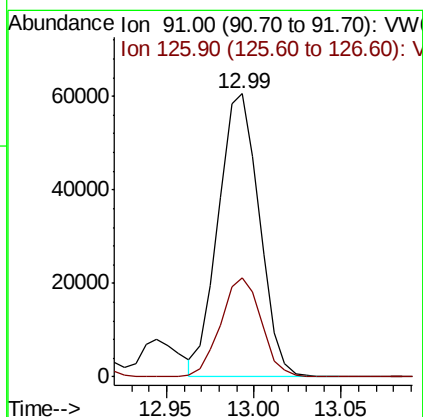
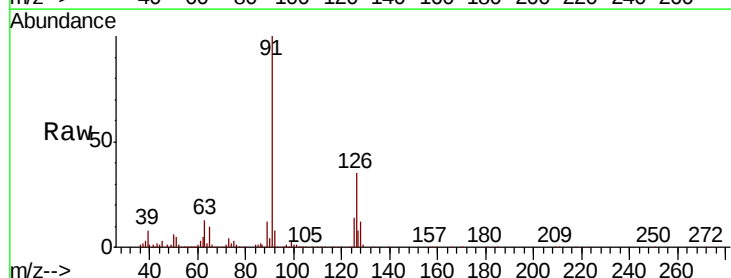
Acq: 22 Jan 2019 16:22

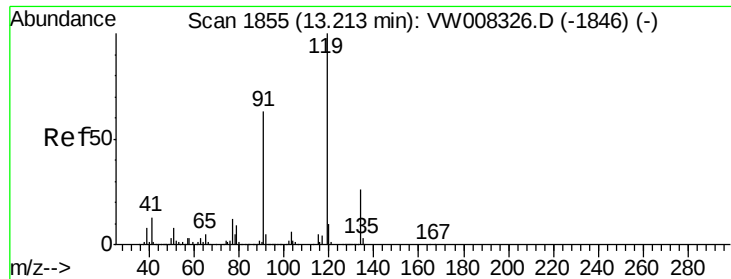
Tgt Ion: 91 Resp: 98528

Ion Ratio Lower Upper

91 100

126 34.9 17.8 53.3

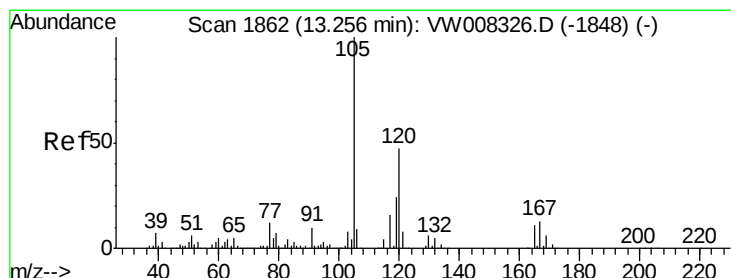
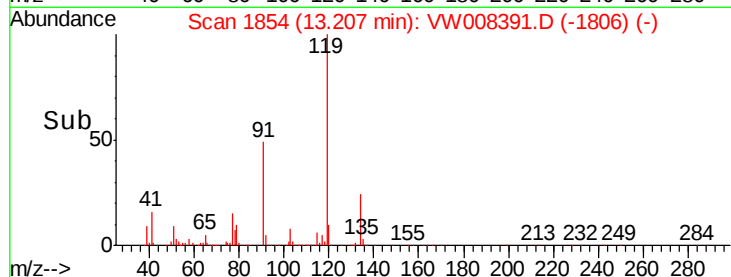
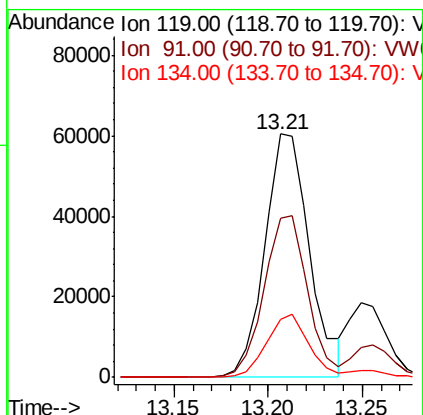
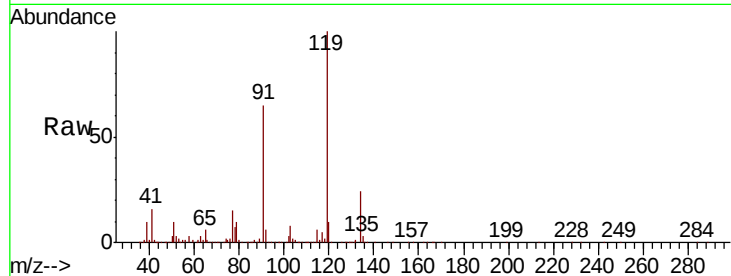




#83
 tert-Butylbenzene
 Concen: 19.851 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

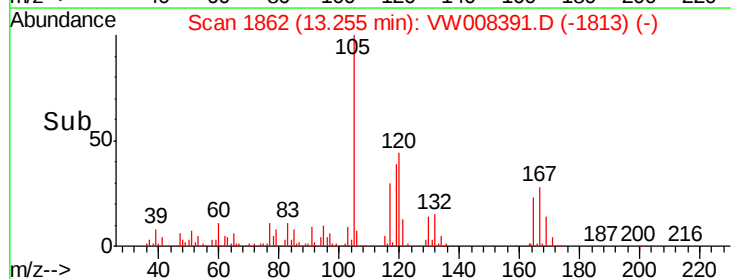
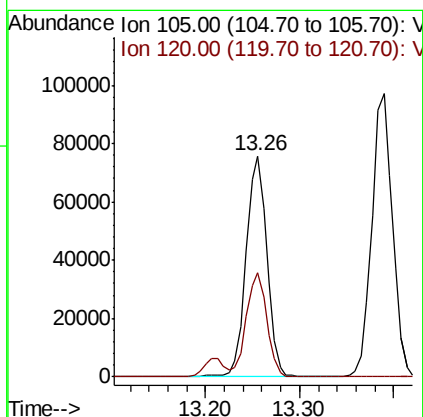
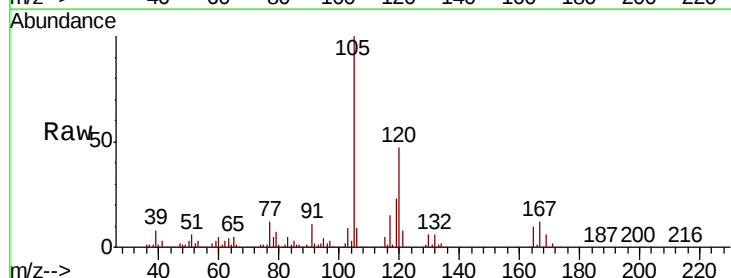
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

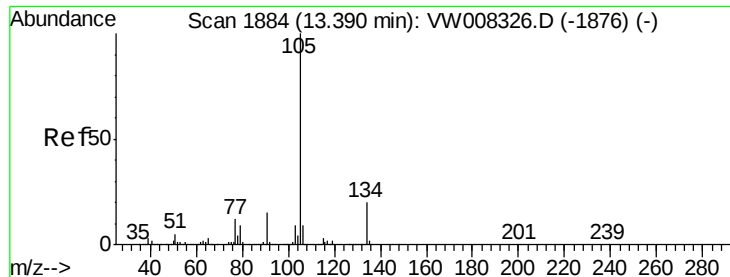
Tgt Ion:119 Resp: 99520
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.4 97.0
 134 24.9 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 20.252 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion:105 Resp: 117513
 Ion Ratio Lower Upper
 105 100
 120 46.4 23.5 70.6





#85

sec-Butylbenzene

Concen: 20.491 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

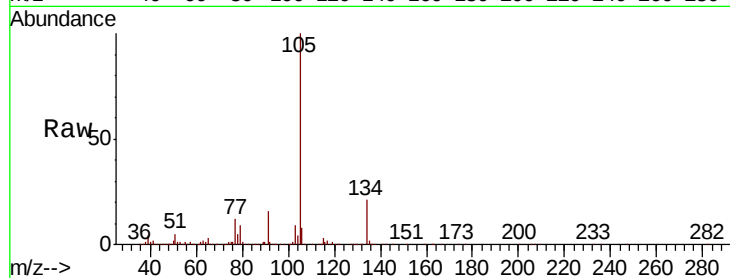
VW0122SBSD01

Tgt Ion:105 Resp: 147490

Ion Ratio Lower Upper

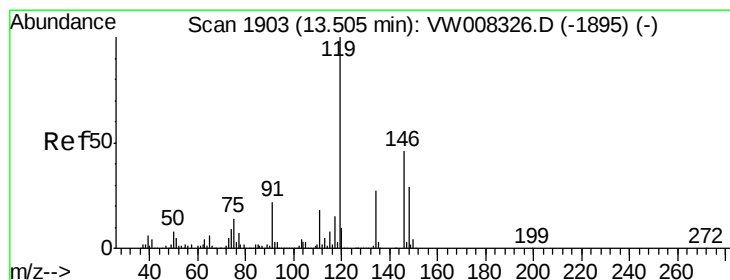
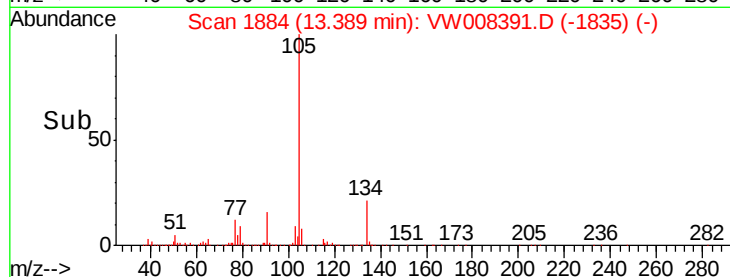
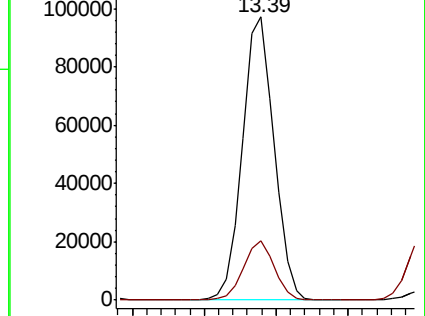
105 100

134 20.4 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.478 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

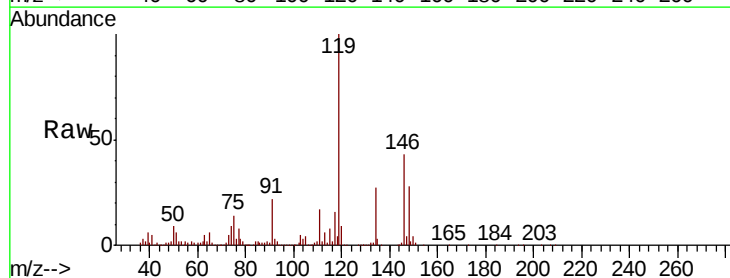
Tgt Ion:119 Resp: 128739

Ion Ratio Lower Upper

119 100

134 27.2 13.7 41.0

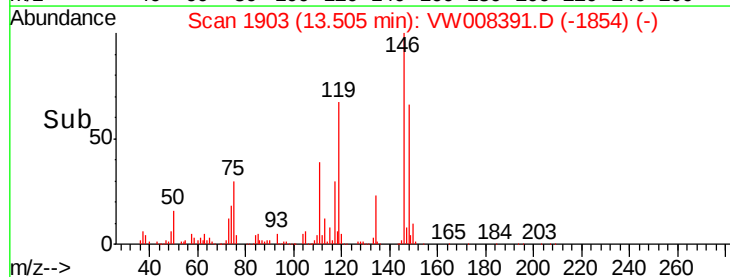
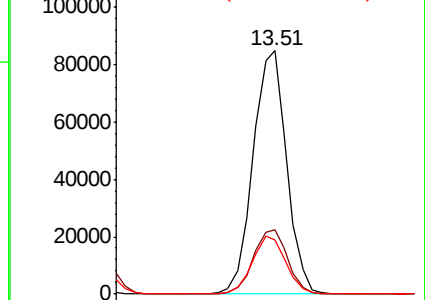
91 24.1 11.4 34.2

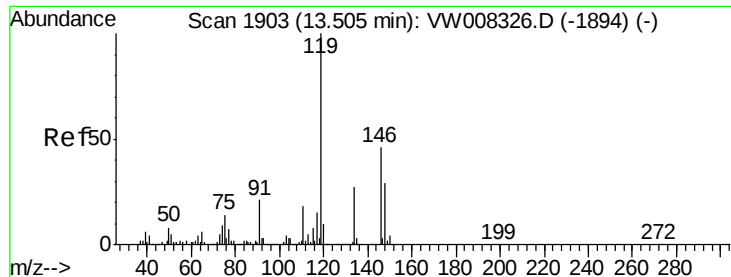


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

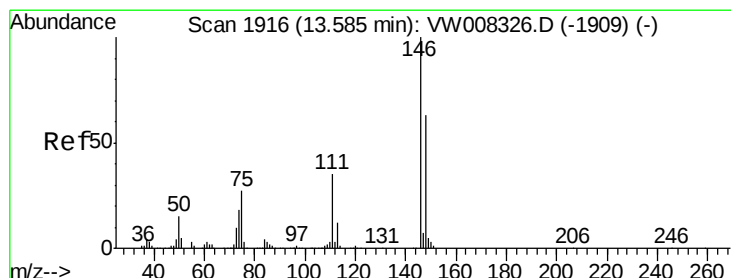
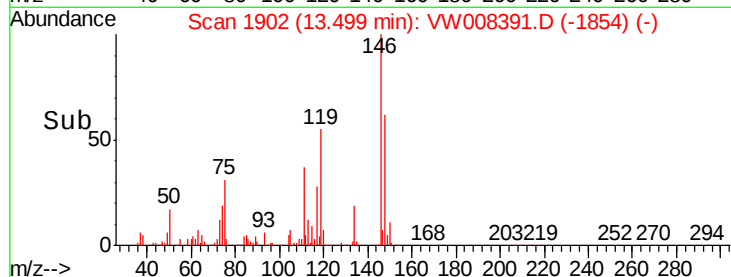
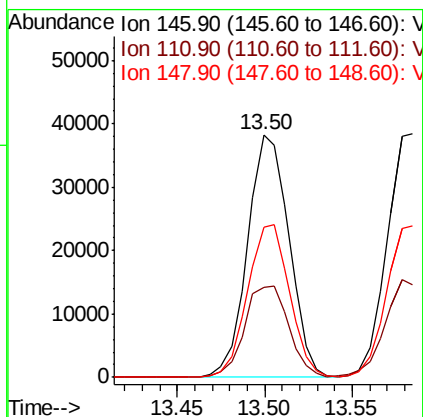
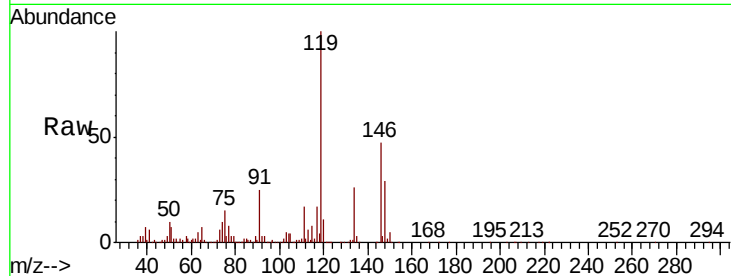




#87
 1,3-Dichlorobenzene
 Concen: 19.331 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

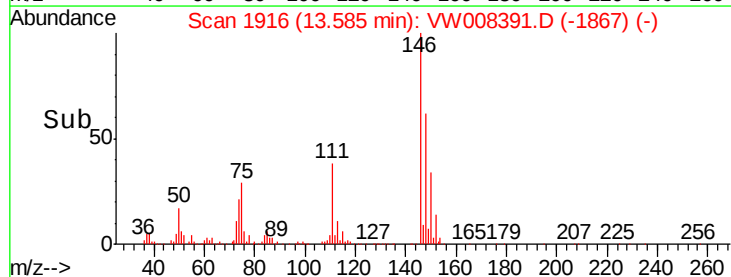
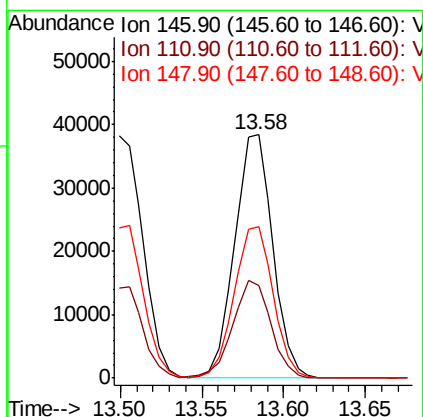
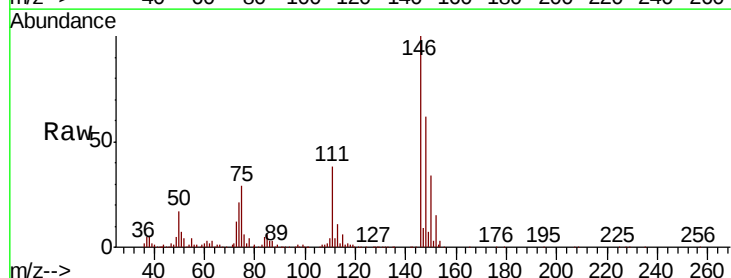
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

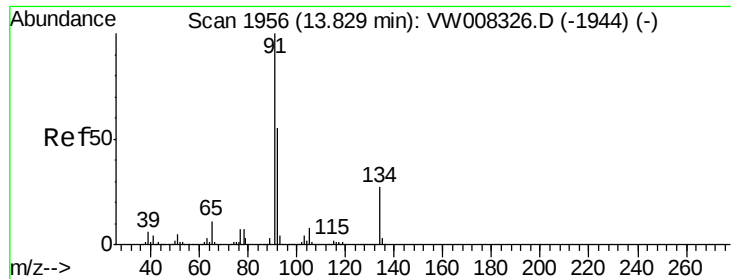
Tgt Ion:146 Resp: 62973
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.9 59.7
 148 63.8 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 19.150 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion:146 Resp: 62498
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.9 56.5
 148 63.7 31.6 94.8

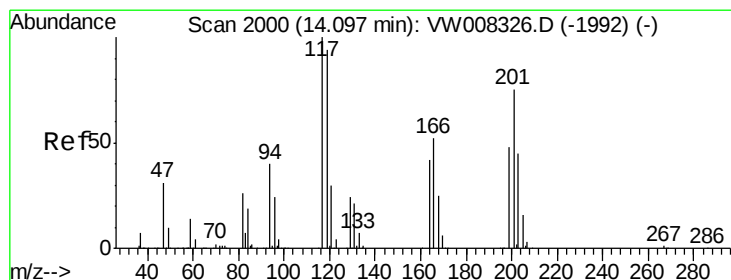
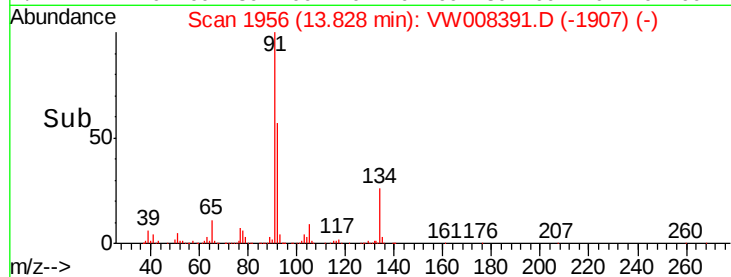
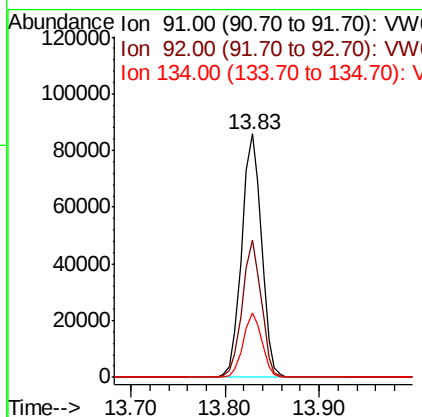
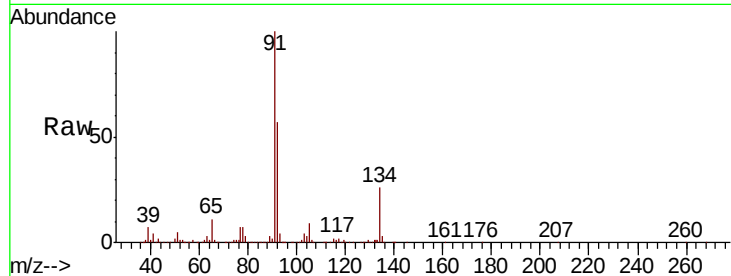




#89
n-Butylbenzene
Concen: 20.914 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

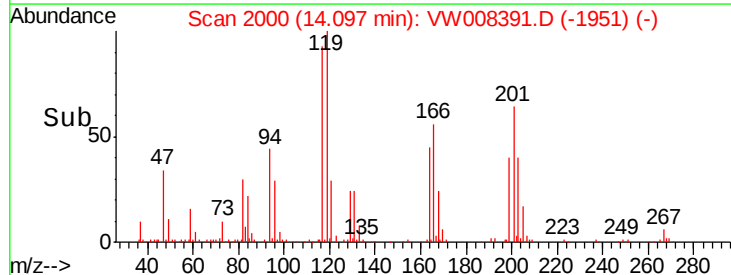
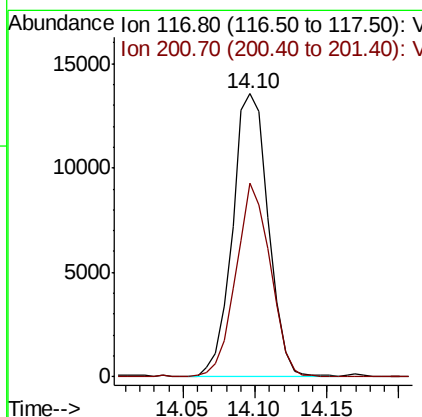
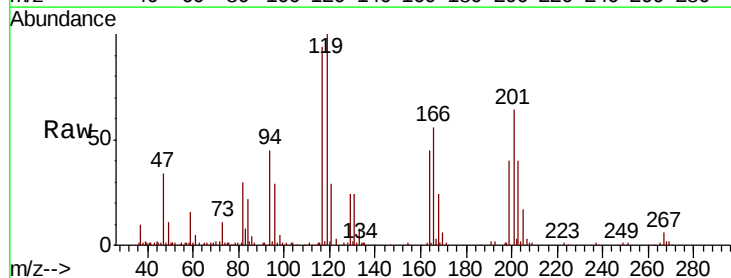
Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

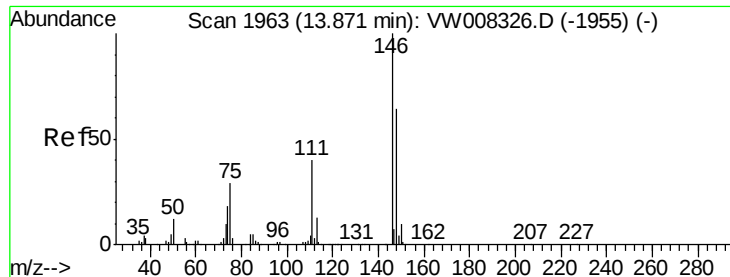
Tgt Ion: 91 Resp: 126117
Ion Ratio Lower Upper
91 100
92 54.2 27.2 81.6
134 25.2 13.4 40.1



#90
Hexachloroethane
Concen: 20.219 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion: 117 Resp: 23523
Ion Ratio Lower Upper
117 100
201 65.6 39.3 117.9





#91

1,2-Dichlorobenzene

Concen: 18.949 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

Instrument :

MSVOA_W

ClientSampleId :

VW0122SBSD01

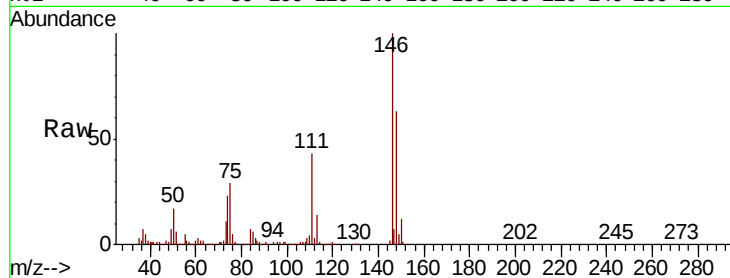
Tgt Ion:146 Resp: 54501

Ion Ratio Lower Upper

146 100

111 42.3 19.6 58.8

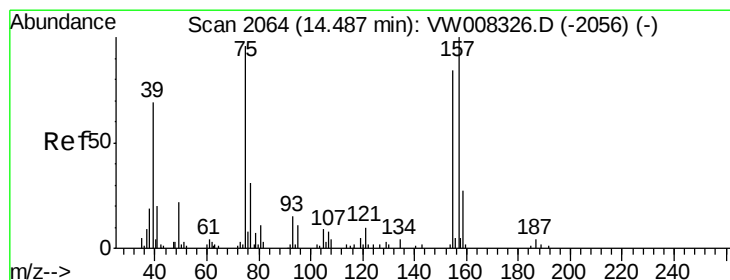
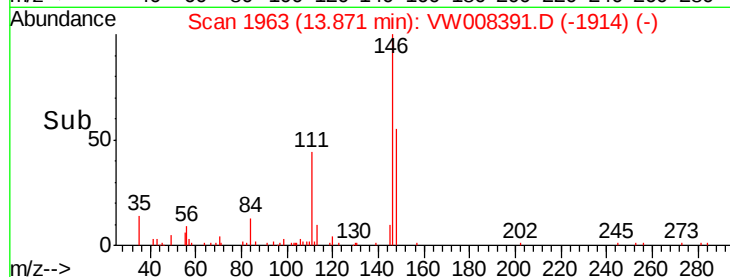
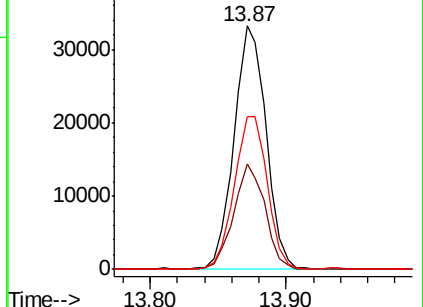
148 64.6 31.7 95.1



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: 18.162 ug/l

RT: 14.48 min Scan# 2063

Delta R.T. -0.01 min

Lab File: VW008391.D

Acq: 22 Jan 2019 16:22

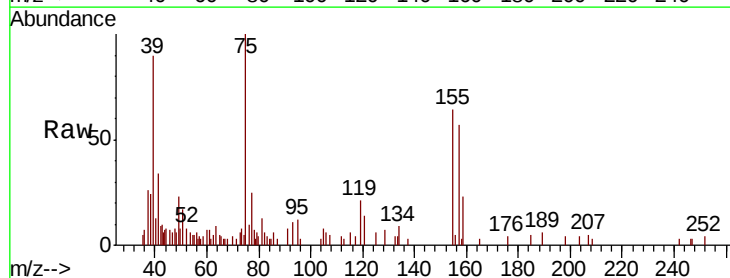
Tgt Ion: 75 Resp: 3448

Ion Ratio Lower Upper

75 100

155 78.3 44.7 134.1

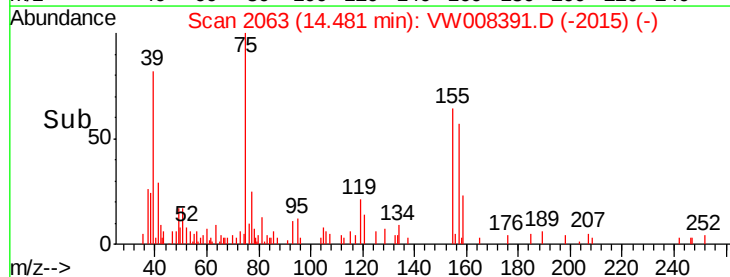
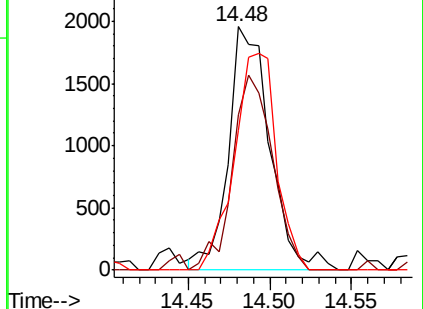
157 90.8 53.9 161.8

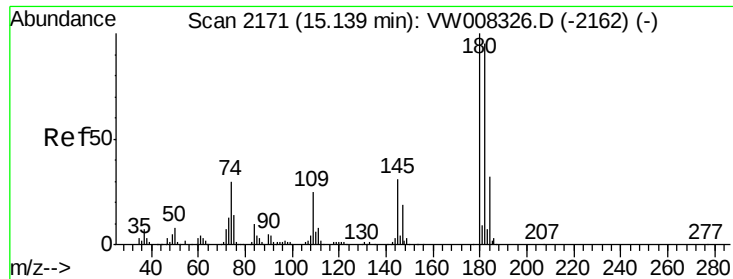


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

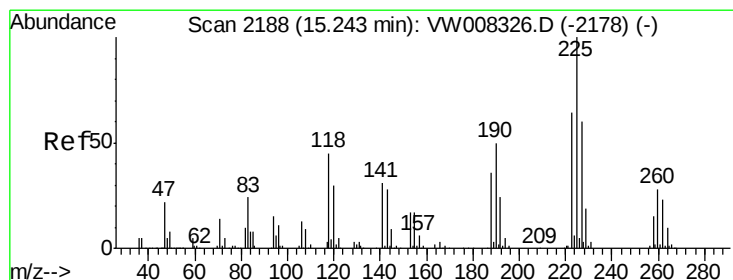
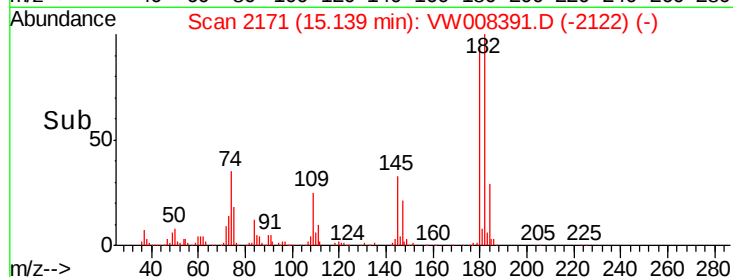
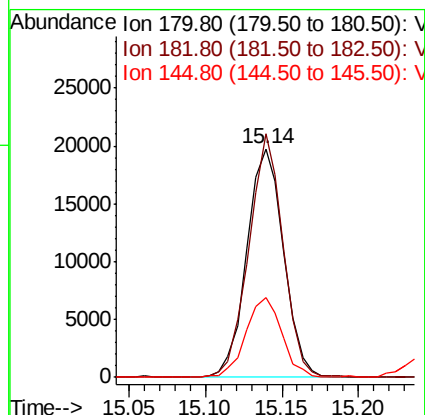
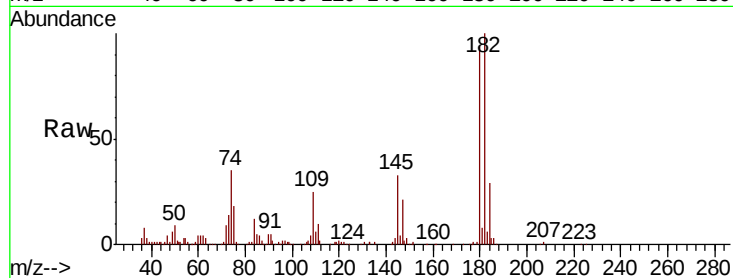




#93
 1,2,4-Trichlorobenzene
 Concen: 16.944 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

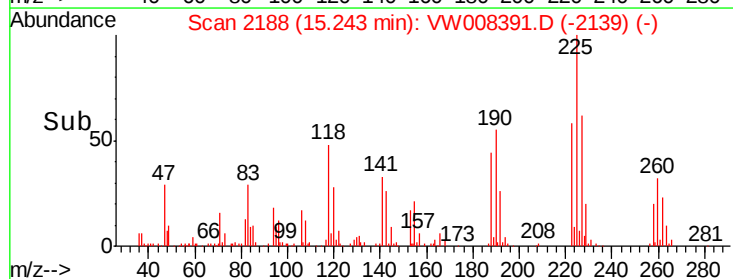
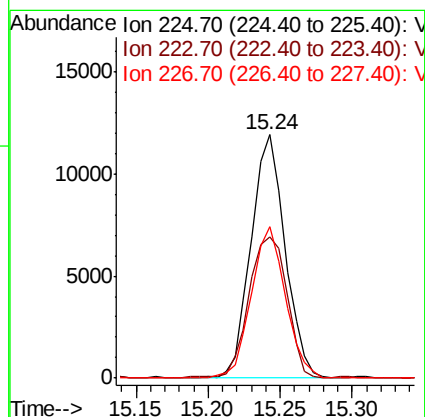
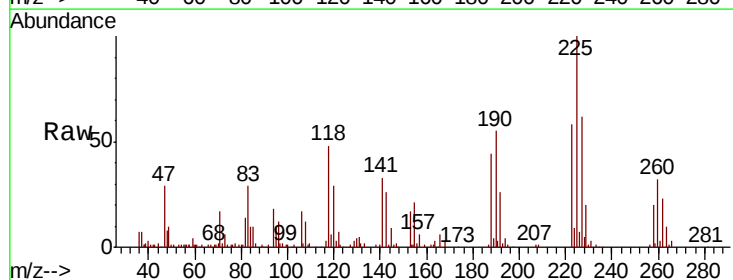
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0122SBSD01

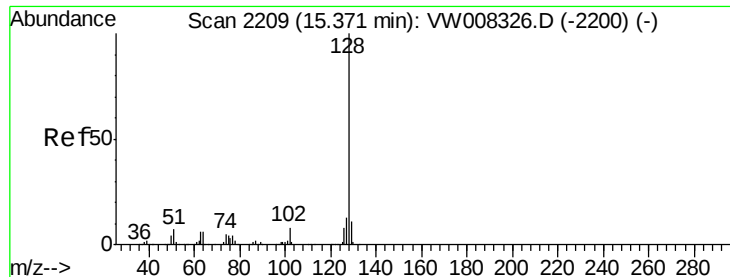
Tgt Ion:180 Resp: 32990
 Ion Ratio Lower Upper
 180 100
 182 99.5 47.6 142.8
 145 34.4 14.8 44.4



#94
 Hexachlorobutadiene
 Concen: 17.744 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008391.D
 Acq: 22 Jan 2019 16:22

Tgt Ion:225 Resp: 19470
 Ion Ratio Lower Upper
 225 100
 223 65.1 31.1 93.3
 227 62.4 30.3 90.8

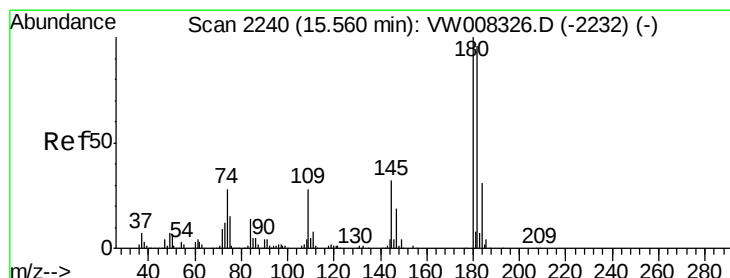
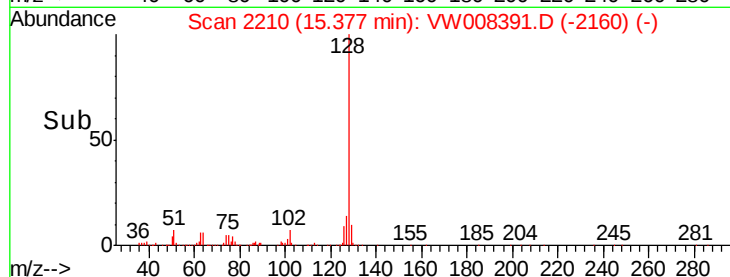
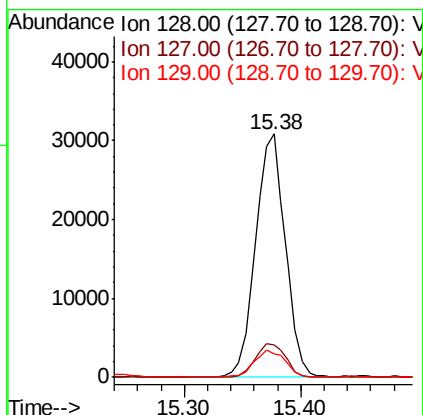
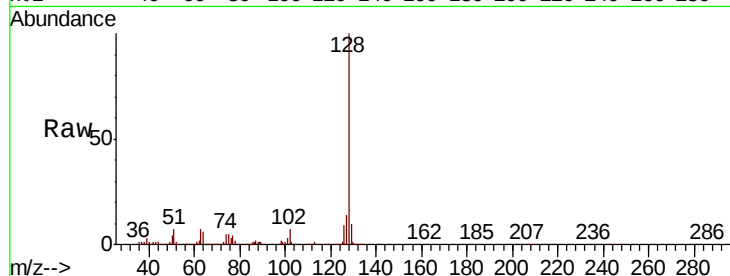




#95
Naphthalene
Concen: 16.947 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Instrument :
MSVOA_W
ClientSampleId :
VW0122SBSD01

Tgt Ion:128 Resp: 55132
Ion Ratio Lower Upper
128 100
127 14.1 10.5 15.7
129 11.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 17.111 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW008391.D
Acq: 22 Jan 2019 16:22

Tgt Ion:180 Resp: 29018
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.9
145 34.9 16.2 48.6

