

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081918\
 Data File : VW004780.D
 Acq On : 18 Aug 2018 13:48
 Operator : SY/AP
 Sample : J4448-03MSD
 Misc : 5.31G/5ML/MSVOA W/SOIL
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

Quant Time: Aug 20 12:02:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	536629	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	835607	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	711545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	327968	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	298342	57.50	ug/l	0.00
Spiked Amount			Recovery	=	115.00%	
35) Dibromofluoromethane	7.89	113	296702	55.56	ug/l	0.00
Spiked Amount			Recovery	=	111.12%	
50) Toluene-d8	10.33	98	1105307	53.02	ug/l	0.00
Spiked Amount			Recovery	=	106.04%	
62) 4-Bromofluorobenzene	12.62	95	352897	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	193981	54.57	ug/l	97
3) Chloromethane	2.22	50	269639	58.02	ug/l	99
4) Vinyl Chloride	2.37	62	408920	59.78	ug/l	100
5) Bromomethane	2.79	94	220122	52.10	ug/l	97
6) Chloroethane	2.93	64	254244	61.59	ug/l	97
7) Trichlorofluoromethane	3.26	101	189409	58.77	ug/l	99
8) Diethyl Ether	3.68	74	182150	62.51	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	313473	56.49	ug/l	100
10) Methyl Iodide	4.27	142	377019	44.73	ug/l	100
11) Tert butyl alcohol	5.23	59	93303	321.90	ug/l	99
12) 1,1-Dichloroethene	4.03	96	321525	58.14	ug/l	99
14) Allvl chloride	4.67	41	493162	58.76	ug/l	100
15) Acrylonitrile	5.37	53	260899	213.50	ug/l	99
16) Acetone	4.14	43	297527	224.65	ug/l	99
17) Carbon Disulfide	4.38	76	1032946	56.84	ug/l	100
18) Methyl Acetate	4.68	43	687292	242.16	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	478600	66.67	ug/l	96
20) Methylene Chloride	4.92	84	387618	65.43	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	351691	59.77	ug/l	98
22) Diisopropyl ether	6.31	45	950880	58.95	ug/l	95
23) Vinyl Acetate	6.31	43	483022	52.94	ug/l #	73
24) 1,1-Dichloroethane	6.21	63	632455	60.34	ug/l	99
25) 2-Butanone	7.18	43	313752	166.27	ug/l	99
26) 2,2-Dichloropropane	7.17	77	278667	46.03	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	380624	60.09	ug/l	98
28) Bromochloromethane	7.51	49	280926	63.64	ug/l	99
29) Tetrahydrofuran	7.54	42	313486	325.79	ug/l	99
30) Chloroform	7.68	83	636438	61.73	ug/l	99
31) Cyclohexane	7.96	56	557179	54.95	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	492128	60.22	ug/l	99
36) 1,1-Dichloropropene	8.09	75	482101	56.00	ug/l	100
37) Ethyl Acetate	7.26	43	19113	5.57	ug/l #	79
38) Carbon Tetrachloride	8.07	117	447110	56.43	ug/l	99
39) Methylcyclohexane	9.34	83	568650	52.82	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.33	78	1433086	57.28	ug/l	99
41) Methacrylonitrile	7.54	41	235709	121.04	ug/l #	38
42) 1,2-Dichloroethane	8.40	62	381975	59.54	ug/l	100
43) Isopropyl Acetate	8.43	43	86307	14.00	ug/l #	59
44) Trichloroethene	9.10	130	350467	55.19	ug/l	99
45) 1,2-Dichloropropane	9.37	63	357615	58.44	ug/l	99
46) Dibromomethane	9.46	93	179686	59.27	ug/l	99
47) Bromodichloromethane	9.65	83	423370	58.47	ug/l	99
48) Methyl methacrylate	9.44	41	211994	73.30	ug/l	96
49) 1,4-Dioxane	9.48	88	58162	1313.15	ug/l #	83
51) 4-Methyl-2-Pentanone	10.21	43	1055474	253.37	ug/l	99
52) Toluene	10.39	92	842729	56.17	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	375294	51.45	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	445100	51.18	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	252299	58.55	ug/l	100
56) Ethyl methacrylate	10.65	69	57270	12.55	ug/l #	83
57) 1,3-Dichloropropane	10.94	76	433514	58.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	593615	249.43	ug/l	99
59) 2-Hexanone	10.98	43	543688	192.62	ug/l	99
60) Dibromochloromethane	11.13	129	272689	56.40	ug/l	97
61) 1,2-Dibromoethane	11.24	107	231459	56.19	ug/l	99
64) Tetrachloroethene	10.87	164	282448	58.08	ug/l	99
65) Chlorobenzene	11.66	112	847443	55.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	307952	59.55	ug/l	97
67) Ethyl Benzene	11.74	91	1519009	58.51	ug/l	99
68) m/p-Xylenes	11.85	106	1139826	112.84	ug/l	98
69) o-Xylene	12.17	106	551548	58.98	ug/l	95
70) Stvrene	12.18	104	175027	11.14	ug/l #	57
71) Bromoform	12.35	173	166720	61.08	ug/l #	98
73) Isopropylbenzene	12.47	105	1445530	64.79	ug/l	99
74) N-amyl acetate	12.28	43	20957	7.71	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.72	83	300100	72.61	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	349408	120.86	ug/l #	100
77) Bromobenzene	12.75	156	349164	64.65	ug/l	99
78) n-propylbenzene	12.81	91	1719459	63.15	ug/l	100
79) 2-Chlorotoluene	12.90	91	990011	63.08	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1173859	61.93	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	60648	48.76	ug/l	95
82) 4-Chlorotoluene	12.99	91	997743	59.84	ug/l	99
83) tert-Butylbenzene	13.21	119	997947	61.55	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	1217490	62.43	ug/l	99
85) sec-Butylbenzene	13.39	105	1394206	57.60	ug/l	100
86) p-Isopropyltoluene	13.51	119	1132090	53.75	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	606369	55.20	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	596723	54.34	ug/l	100
89) n-Butylbenzene	13.83	91	1001664	49.19	ug/l	99
90) Hexachloroethane	14.10	117	203569	53.02	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	557168	56.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	44276	68.54	ug/l	98
93) 1,2,4-Trichlorobenzene	15.14	180	263740	37.79	ug/l	100

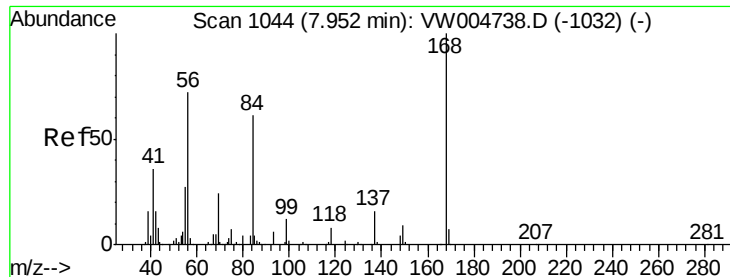
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.24	225	146892	34.29	ug/l	99
95) Naphthalene	15.38	128	575766	43.10	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	225729	36.48	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

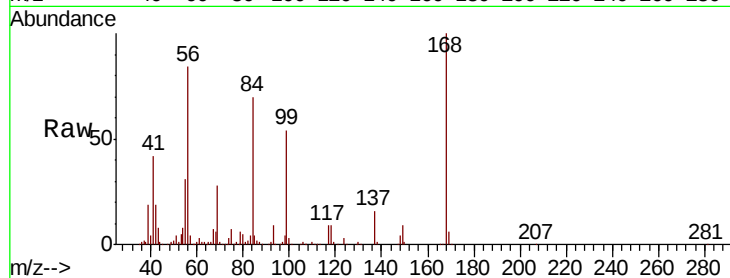
TOD1-SB-01-0-2MSD

Tot Ion:168 Resp: 536629

Ion Ratio Lower Upper

168 100

99 53.9 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

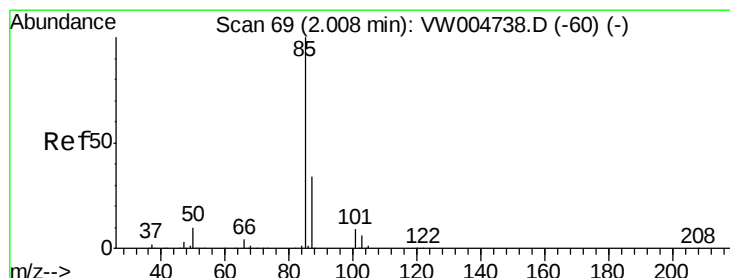
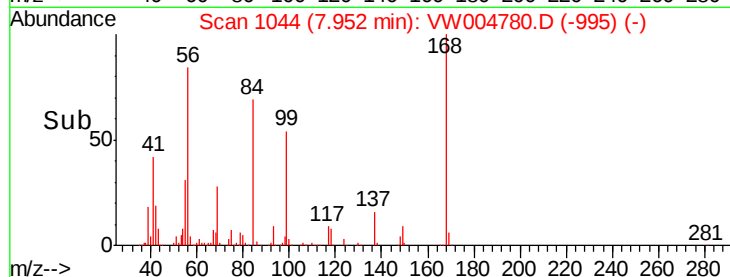
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 54.57 ug/l

RT: 2.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VW004780.D

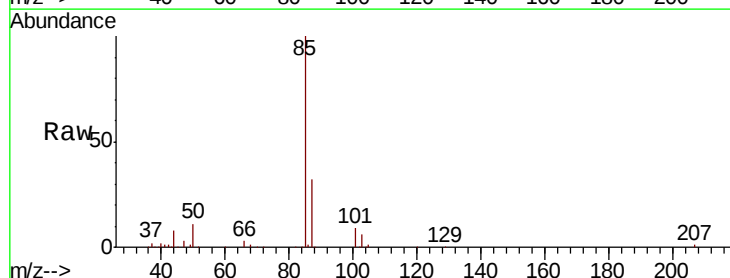
Acq: 18 Aug 2018 13:48

Tgt Ion: 85 Resp: 193981

Ion Ratio Lower Upper

85 100

87 31.7 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

60000

50000

40000

30000

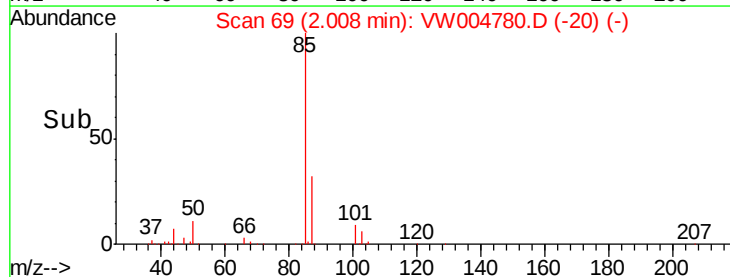
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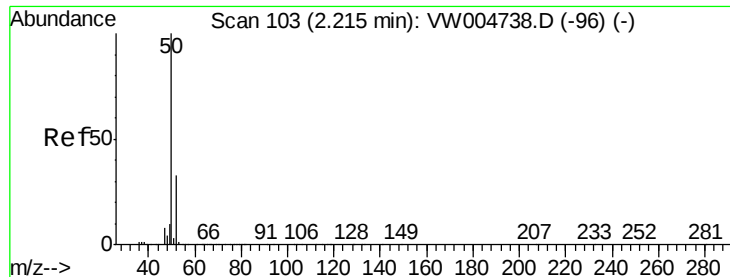
10000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 58.02 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

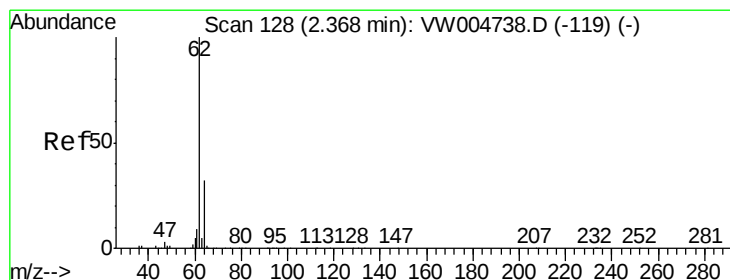
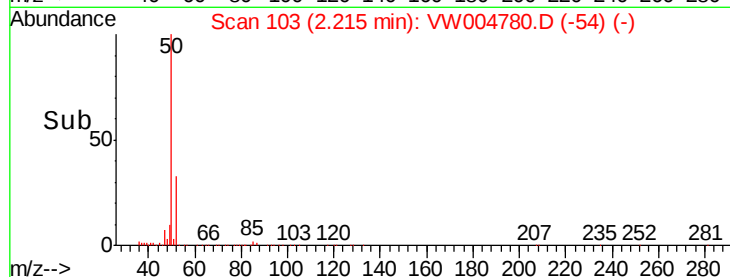
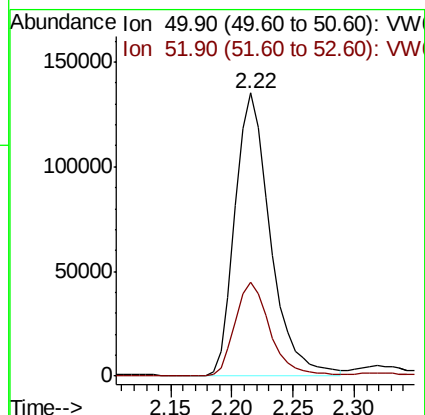
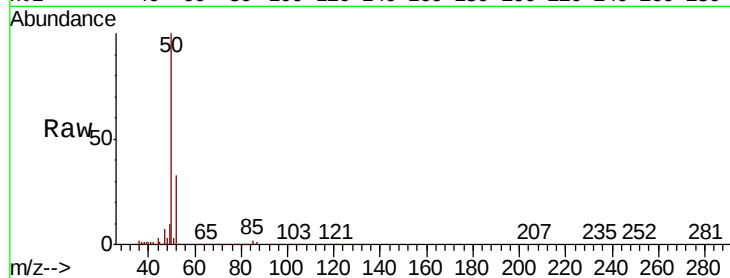
TOD1-SB-01-0-2MSD

Tot Ion: 50 Resp: 269639

Ion Ratio Lower Upper

50 100

52 33.0 26.7 40.1



#4

Vinyl Chloride

Concen: 59.78 ug/l

RT: 2.37 min Scan# 128

Delta R.T. -0.00 min

Lab File: VW004780.D

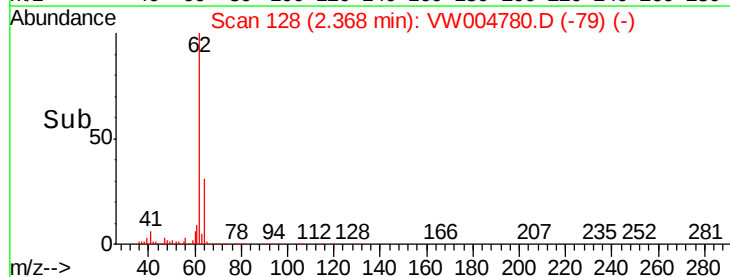
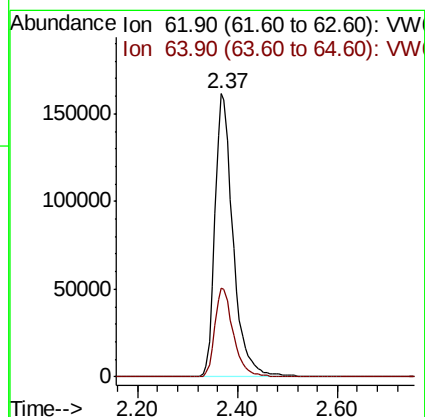
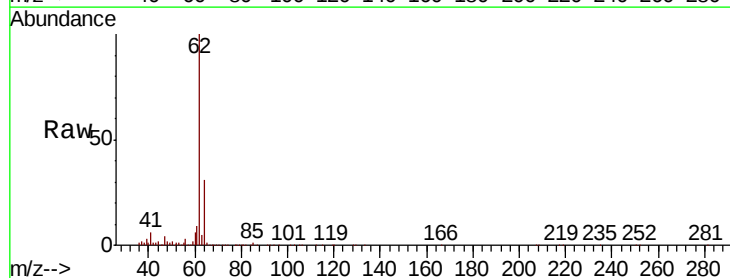
Acq: 18 Aug 2018 13:48

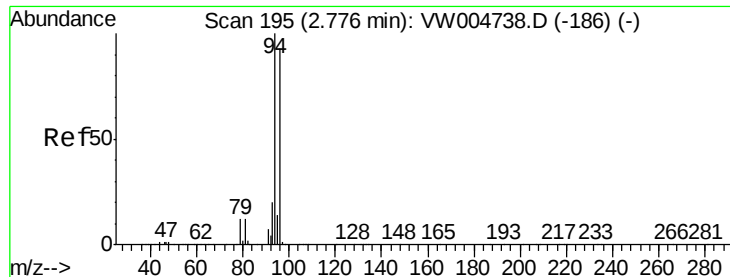
Tgt Ion: 62 Resp: 408920

Ion Ratio Lower Upper

62 100

64 31.3 25.2 37.8





#5

Bromomethane

Concen: 52.10 ug/l

RT: 2.79 min Scan# 197

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

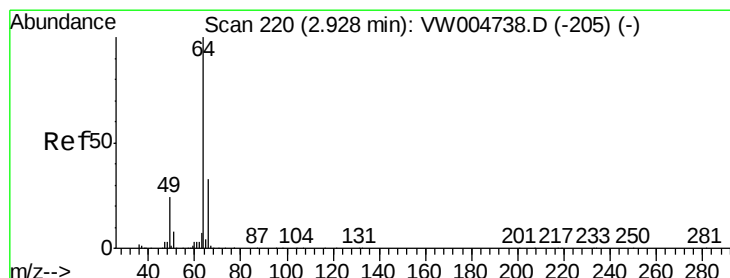
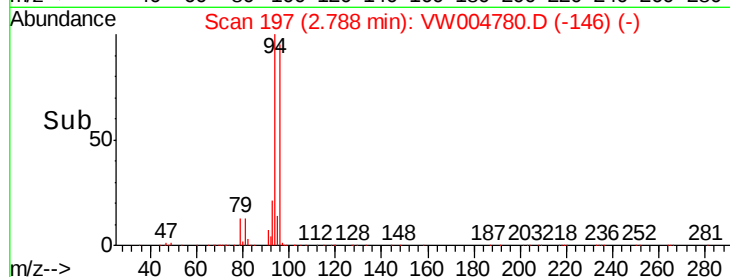
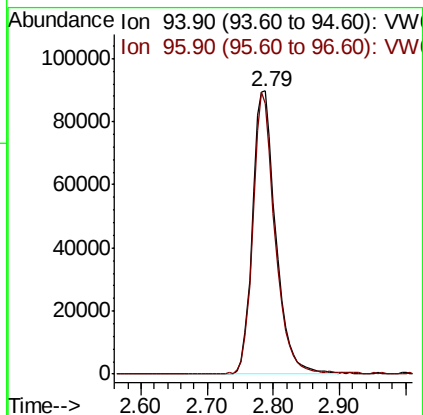
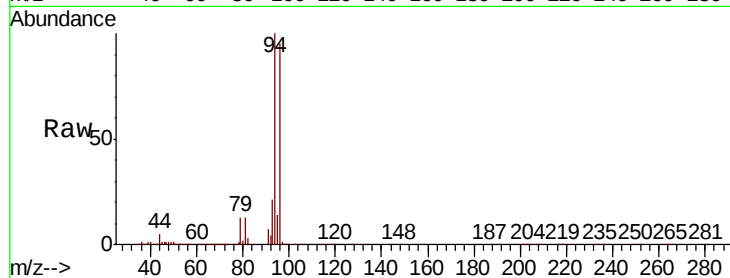
TOD1-SB-01-0-2MSD

Tot Ion: 94 Resp: 220122

Ion Ratio Lower Upper

94 100

96 95.3 74.3 111.5



#6

Chloroethane

Concen: 61.59 ug/l

RT: 2.93 min Scan# 220

Delta R.T. -0.00 min

Lab File: VW004780.D

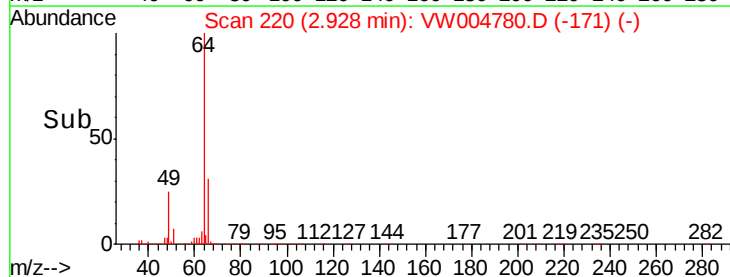
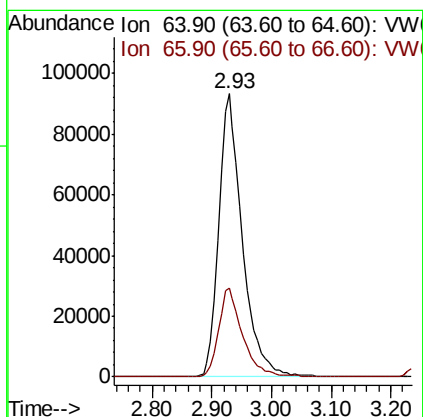
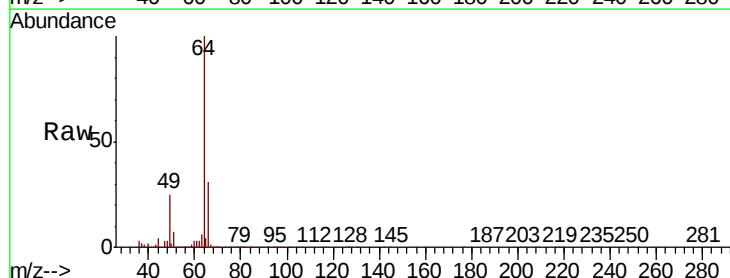
Acq: 18 Aug 2018 13:48

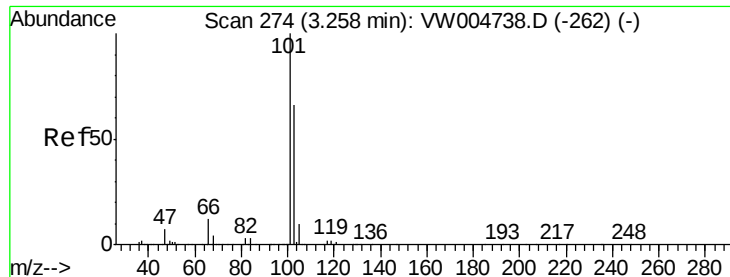
Tgt Ion: 64 Resp: 254244

Ion Ratio Lower Upper

64 100

66 31.2 26.1 39.1



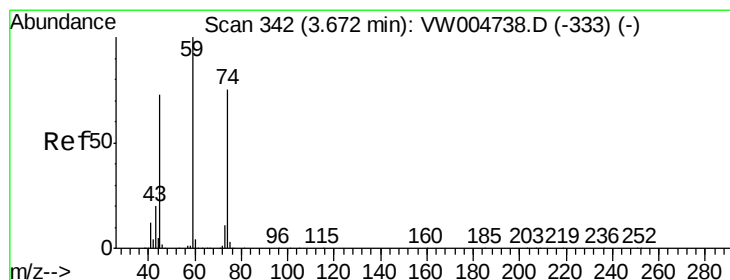
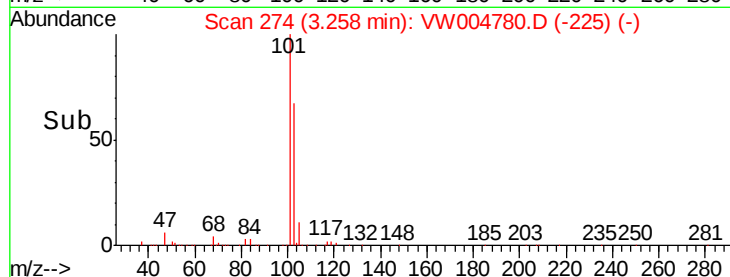
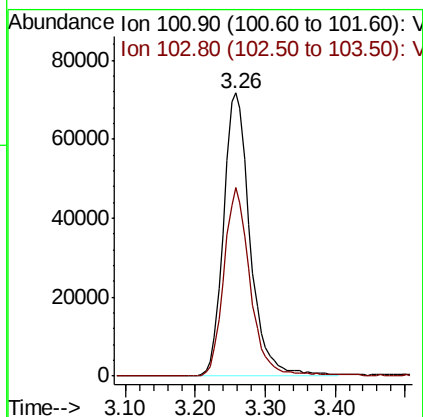
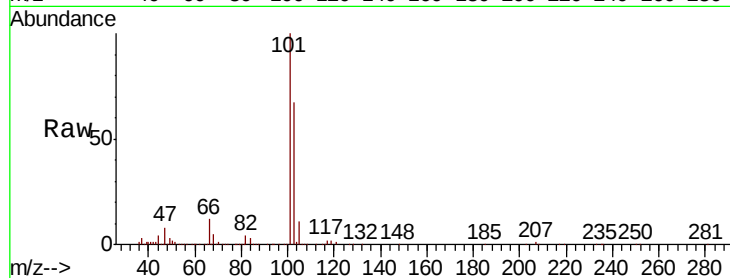


#7

Trichlorofluoromethane
 Concen: 58.77 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

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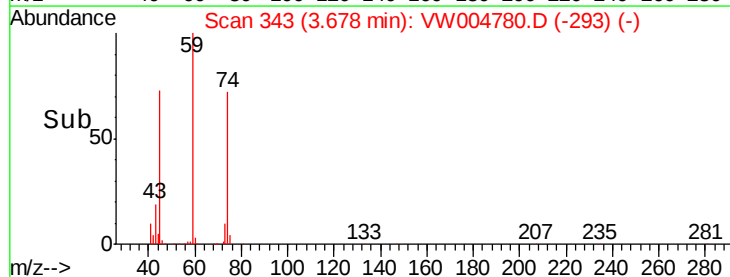
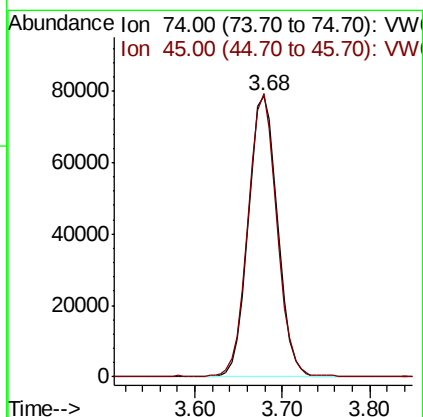
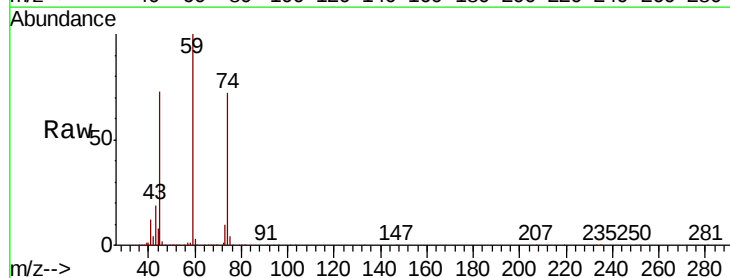
Tot Ion:101 Resp: 189409
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.5 78.7

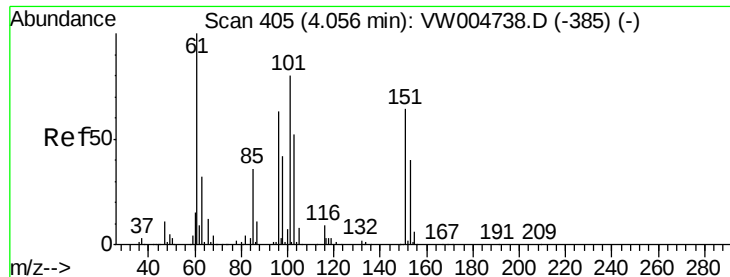


#8

Diethyl Ether
 Concen: 62.51 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion: 74 Resp: 182150
 Ion Ratio Lower Upper
 74 100
 45 98.9 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.49 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

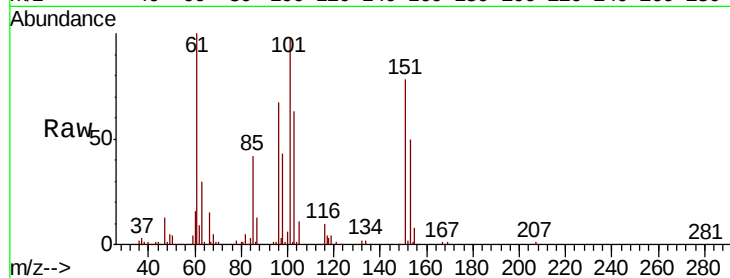
Tot Ion:101 Resp: 313473

Ion Ratio Lower Upper

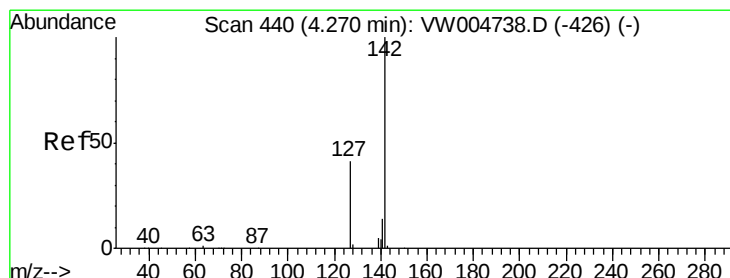
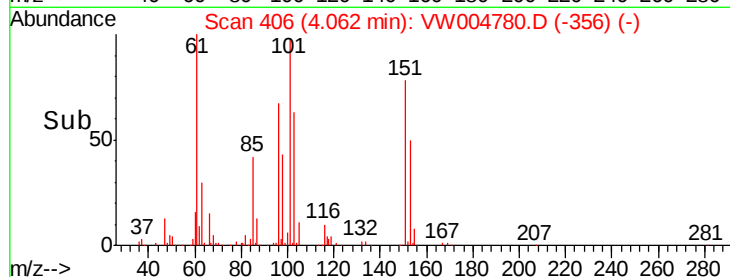
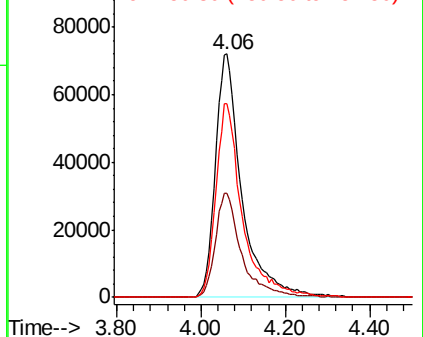
101 100

85 42.4 33.9 50.9

151 79.3 63.4 95.2



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: 44.73 ug/l

RT: 4.27 min Scan# 440

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

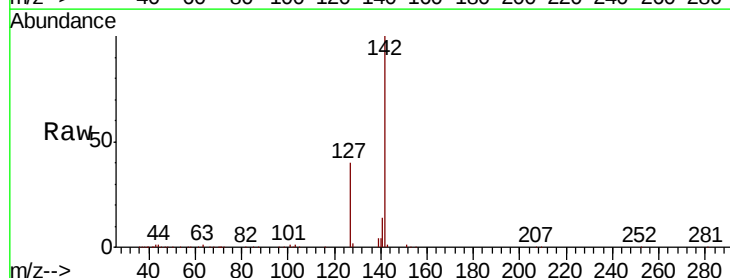
Tgt Ion:142 Resp: 377019

Ion Ratio Lower Upper

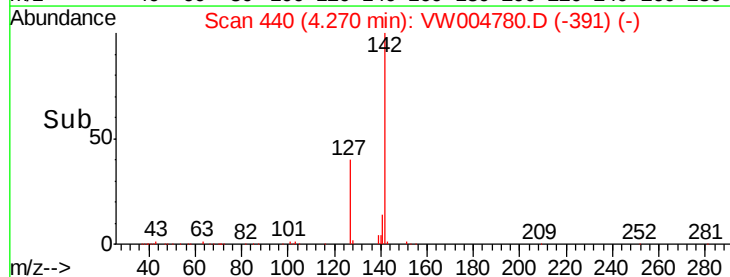
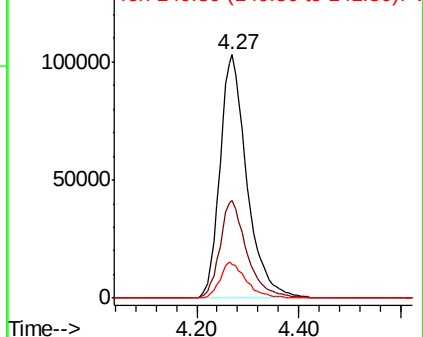
142 100

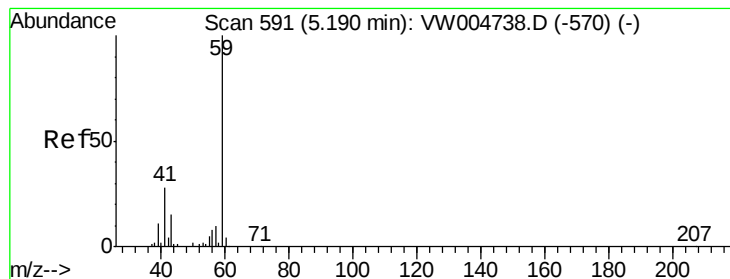
127 40.2 32.1 48.1

141 14.5 11.7 17.5



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



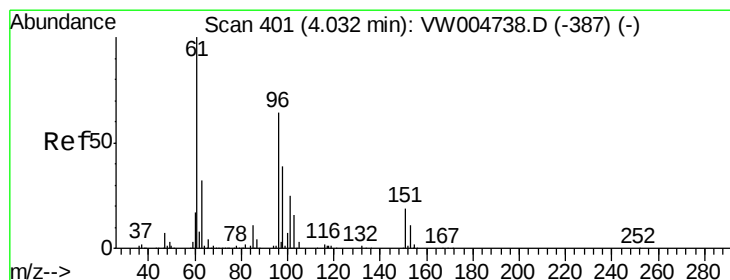
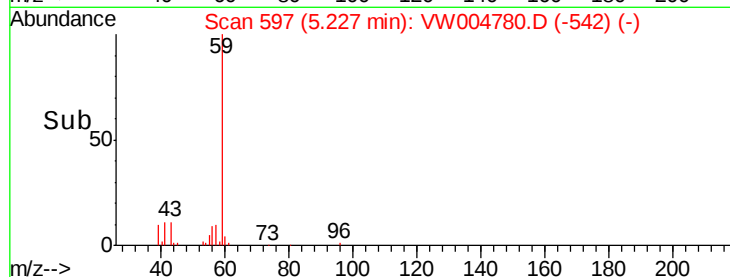
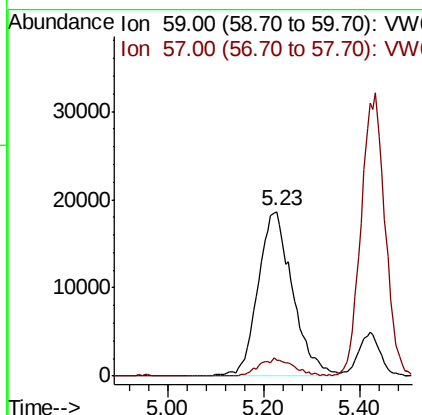
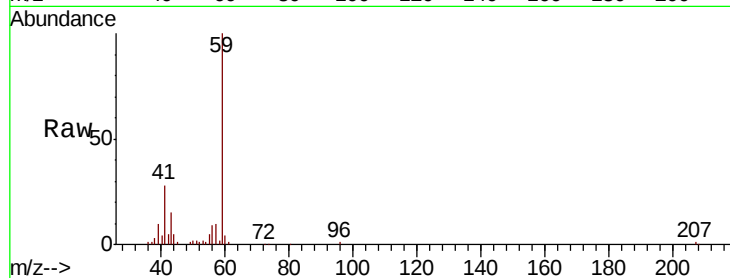


#11

Tert butyl alcohol
 Concen: 321.90 ug/l
 RT: 5.23 min Scan# 597
 Delta R.T. 0.04 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

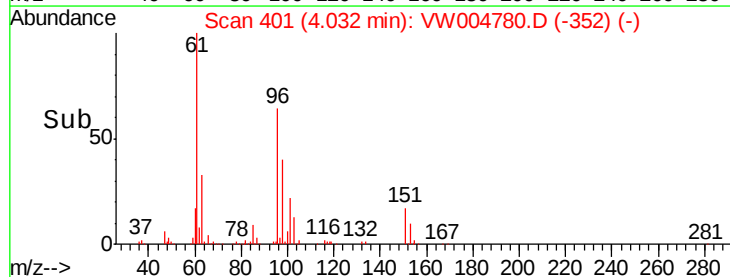
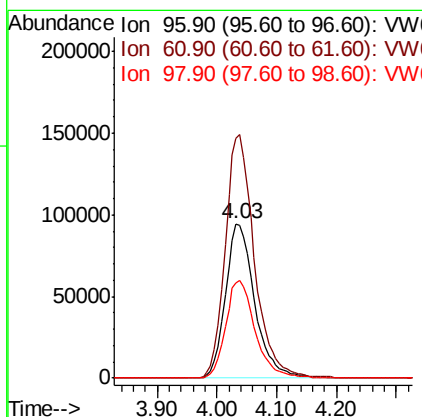
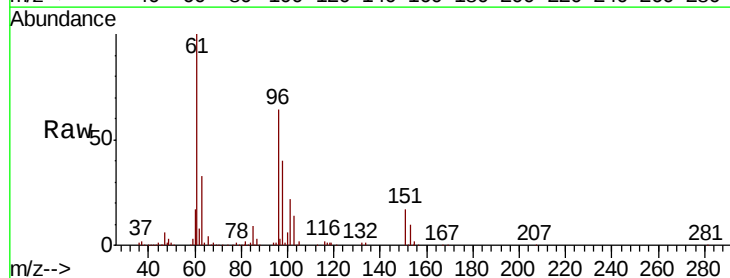
Tot Ion: 59 Resp: 93303
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.4 12.6

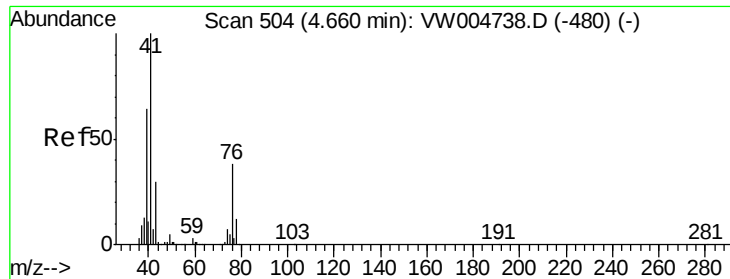


#12

1,1-Dichloroethene
 Concen: 58.14 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion: 96 Resp: 321525
 Ion Ratio Lower Upper
 96 100
 61 155.5 125.6 188.4
 98 61.8 49.4 74.0





#14

Allvl chloride

Concen: 58.76 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

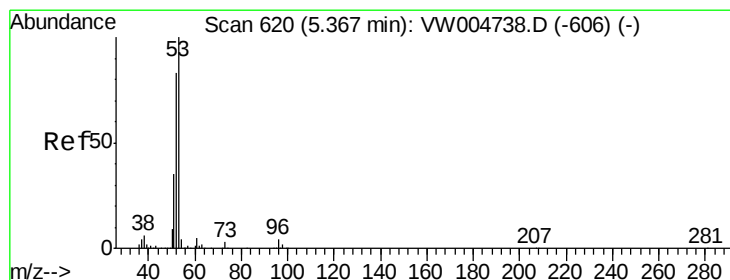
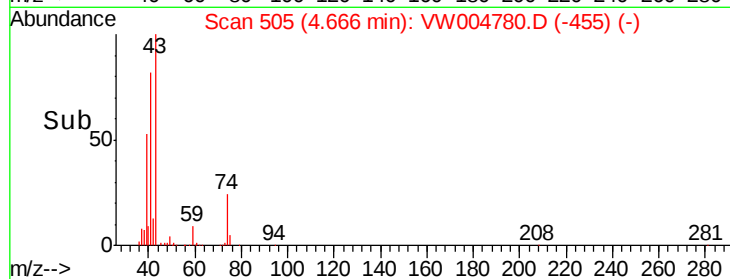
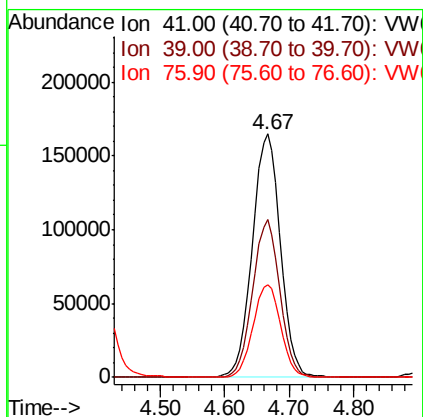
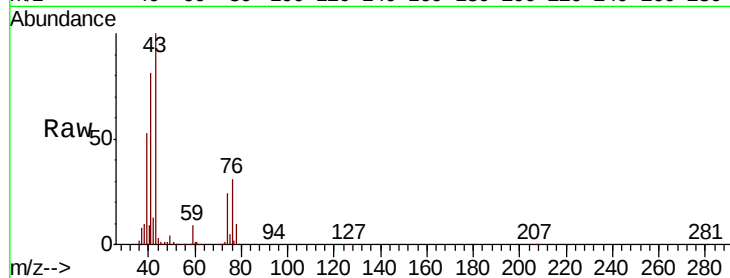
Tot Ion: 41 Resp: 493162

Ion Ratio Lower Upper

41 100

39 62.5 50.0 75.0

76 37.0 29.8 44.6



#15

Acrylonitrile

Concen: 213.50 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

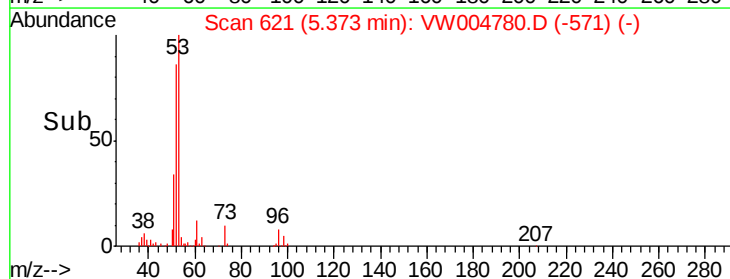
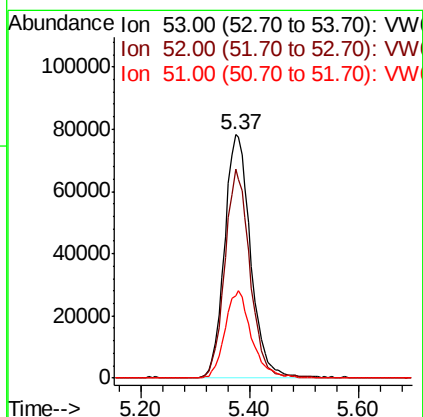
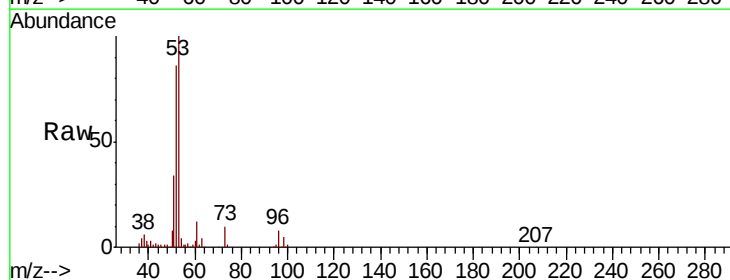
Tgt Ion: 53 Resp: 260899

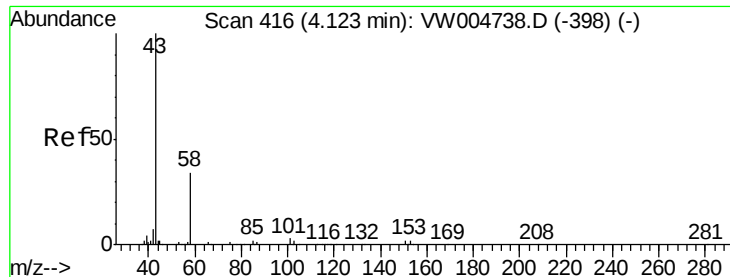
Ion Ratio Lower Upper

53 100

52 82.6 65.8 98.6

51 36.6 28.7 43.1





#16

Acetone

Concen: 224.65 ug/l

RT: 4.14 min Scan# 418

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

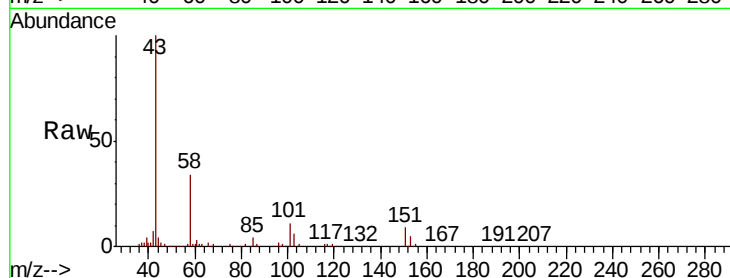
TOD1-SB-01-0-2MSD

Tot Ion: 43 Resp: 297527

Ion Ratio Lower Upper

43 100

58 34.4 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.14

100000

80000

60000

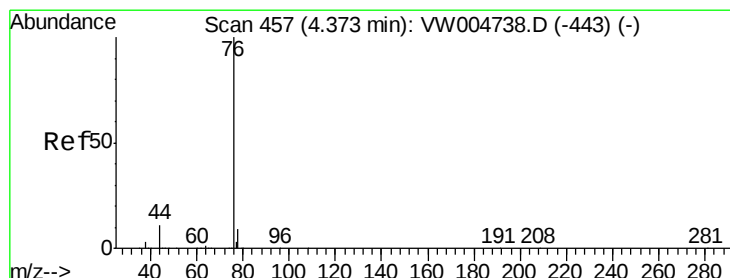
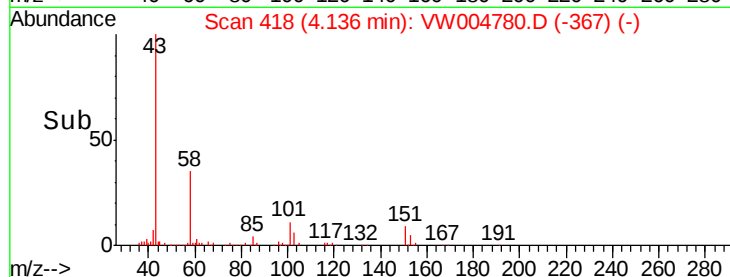
40000

20000

0

Time-->

4.00 4.20 4.40



#17

Carbon Disulfide

Concen: 56.84 ug/l

RT: 4.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: VW004780.D

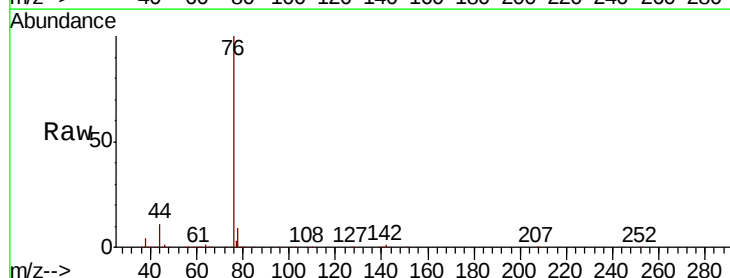
Acq: 18 Aug 2018 13:48

Tgt Ion: 76 Resp: 1032946

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.38

300000

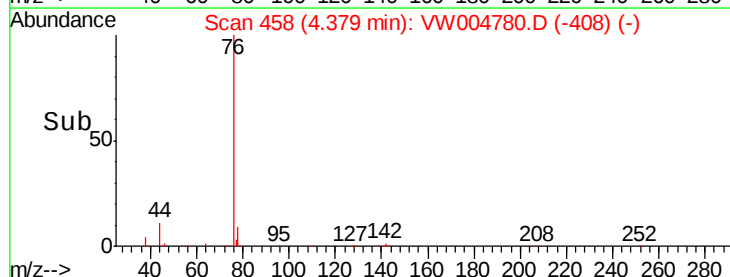
200000

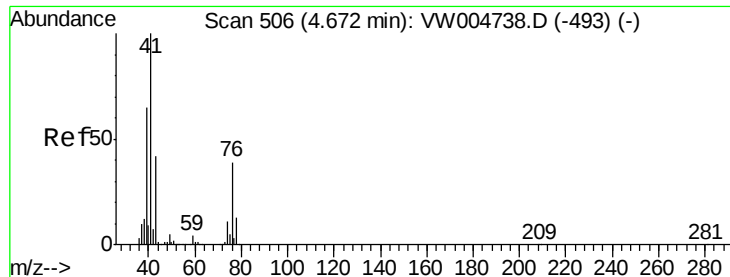
100000

0

Time-->

4.20 4.40 4.60

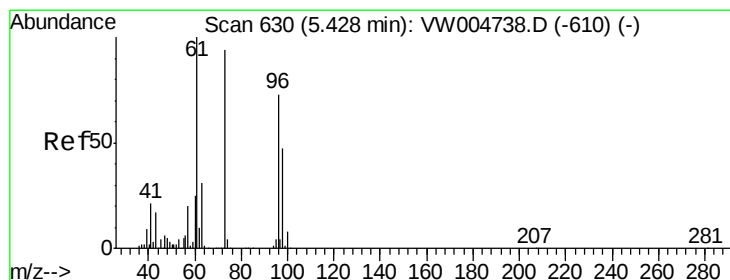
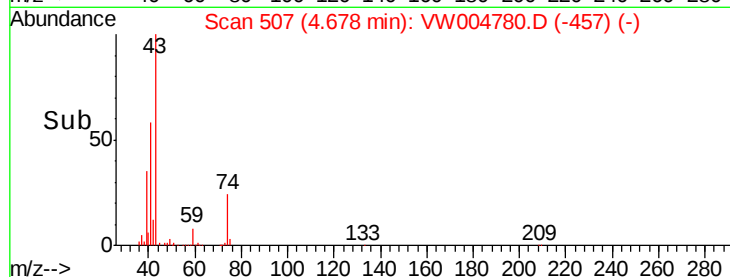
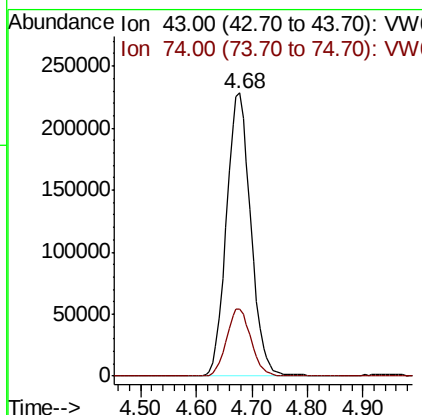
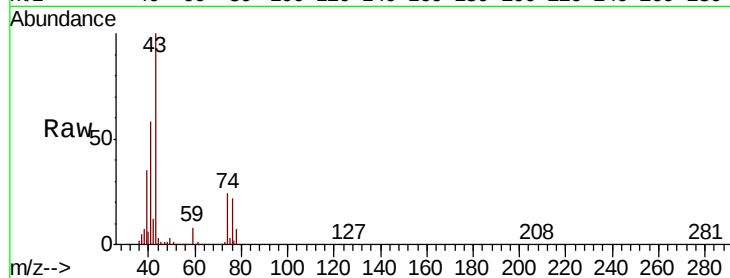




#18
Methyl Acetate
Concen: 242.16 ug/l
RT: 4.68 min Scan# 507
Delta R.T. 0.01 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

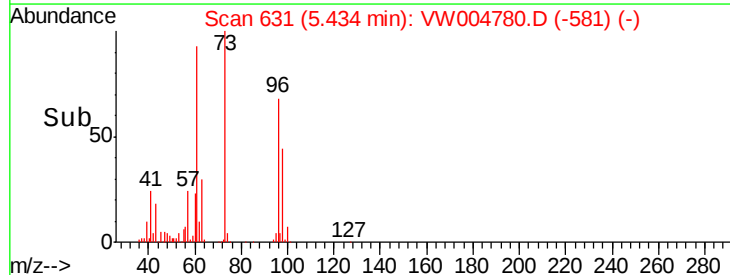
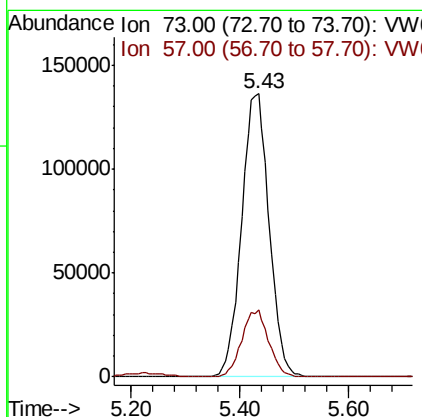
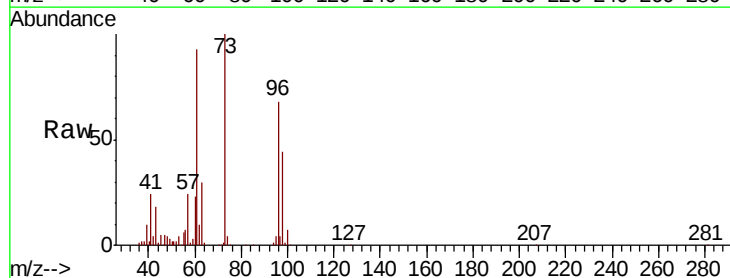
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

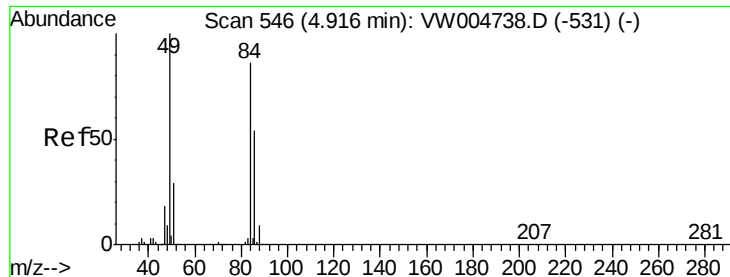
Tot Ion: 43 Resp: 687292
Ion Ratio Lower Upper
43 100
74 24.0 19.8 29.8



#19
Methyl tert-butyl Ether
Concen: 66.67 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion: 73 Resp: 478600
Ion Ratio Lower Upper
73 100
57 23.6 17.3 25.9

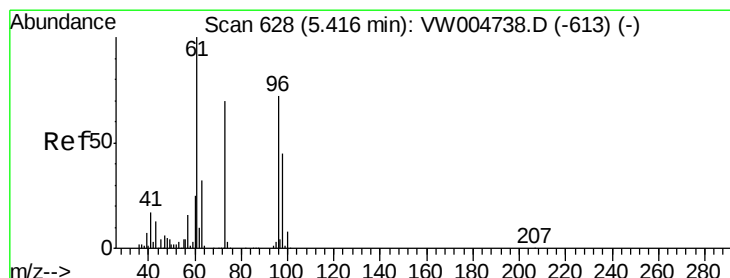
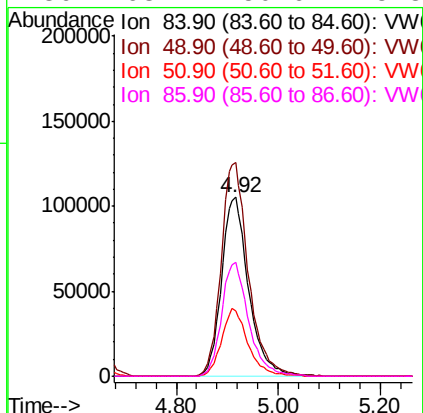
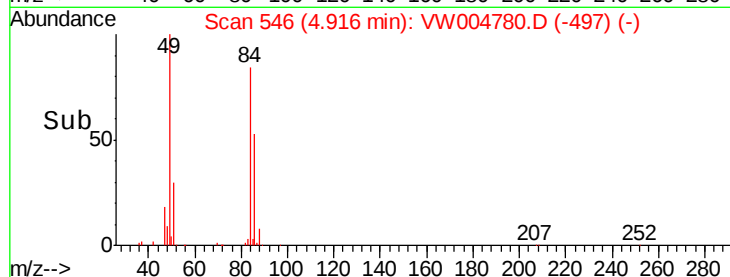
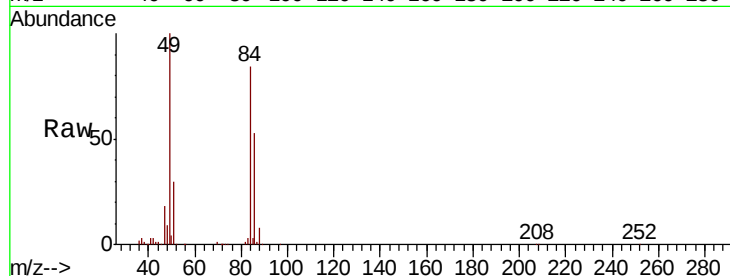




#20
Methvlene Chloride
Concen: 65.43 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

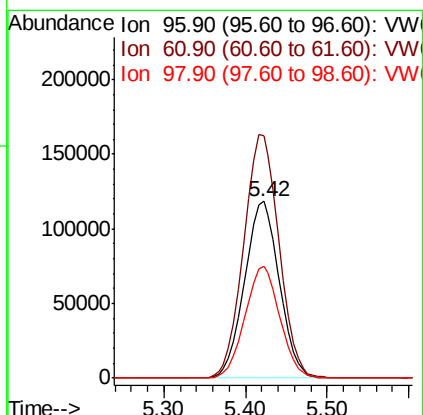
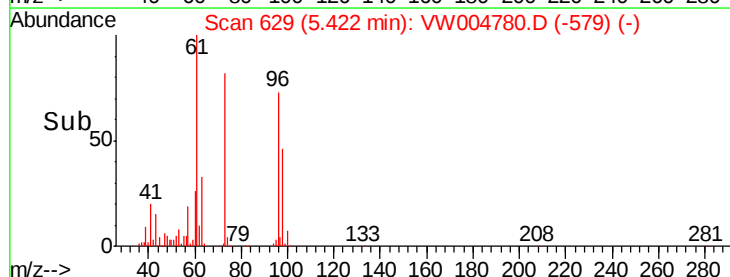
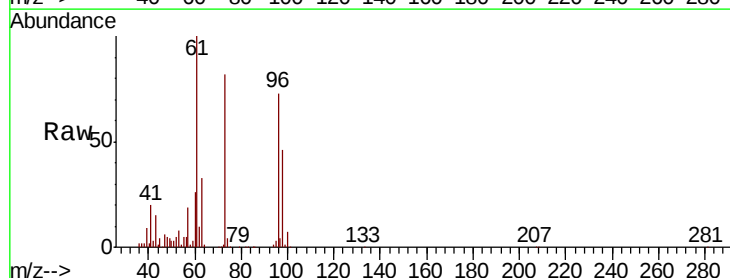
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

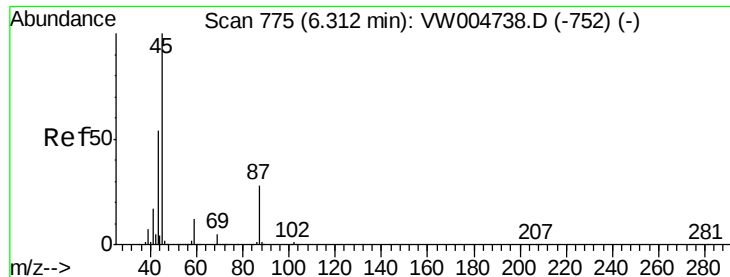
Tot Ion:	84	Resp:	387618
Ion	Ratio	Lower	Upper
84	100		
49	119.3	93.2	139.8
51	36.2	27.4	41.0
86	63.4	50.6	75.8



#21
trans-1,2-Dichloroethene
Concen: 59.77 ug/l
RT: 5.42 min Scan# 629
Delta R.T. 0.01 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion:	96	Resp:	351691
Ion	Ratio	Lower	Upper
96	100		
61	137.0	111.4	167.0
98	63.0	49.7	74.5



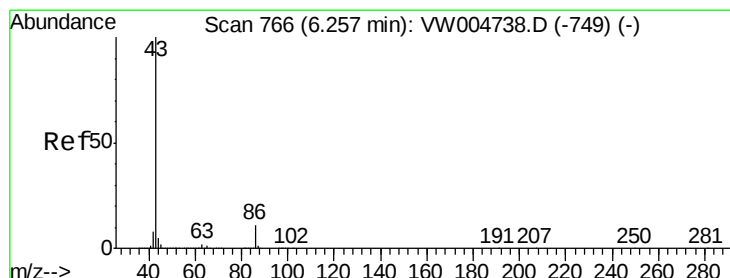
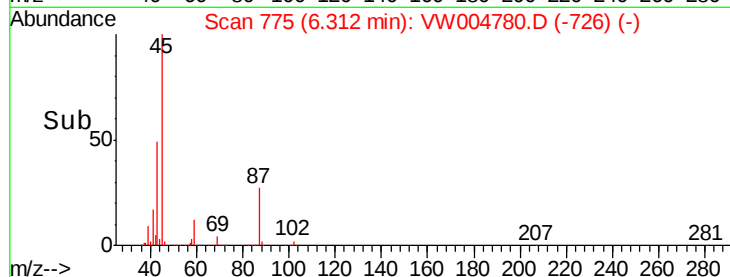
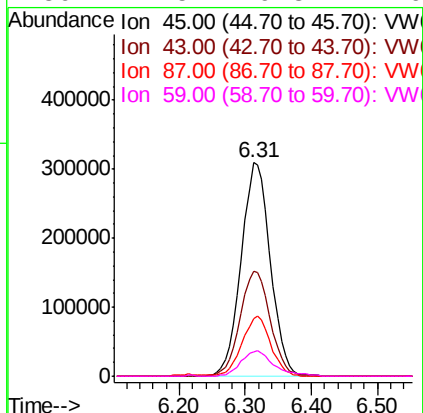
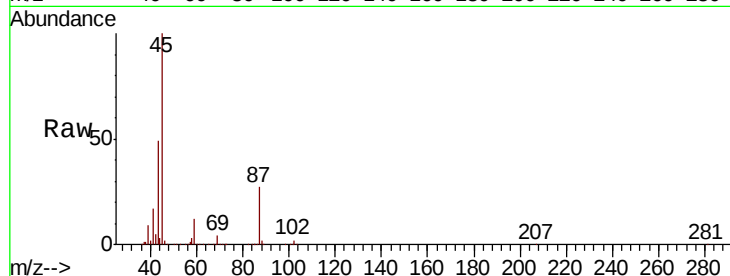


#22

Diisopropyl ether
 Concen: 58.95 ug/l
 RT: 6.31 min Scan# 775
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

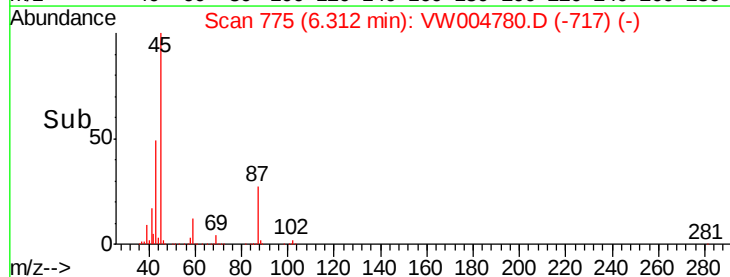
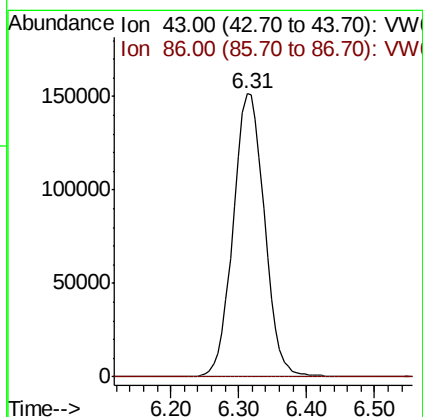
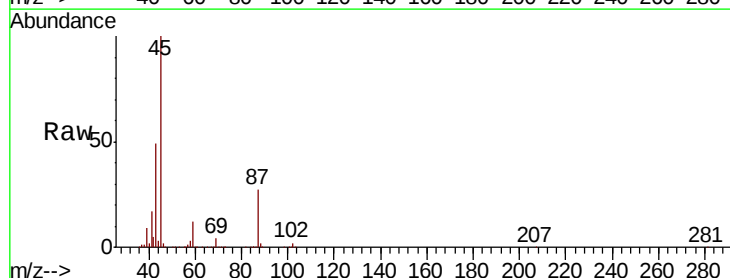
Tot Ion:	45	Resp:	950880
Ion	Ratio	Lower	Upper
45	100		
43	48.8	43.0	64.6
87	27.2	22.2	33.4
59	11.5	9.8	14.6

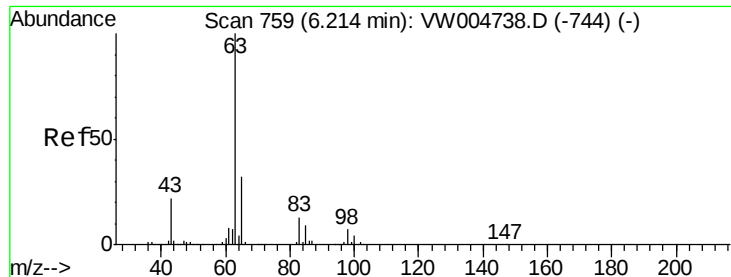


#23

Vinyl Acetate
 Concen: 52.94 ug/l
 RT: 6.31 min Scan# 775
 Delta R.T. 0.05 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion:	43	Resp:	483022
Ion	Ratio	Lower	Upper
43	100		
86	0.4	8.5	12.7#





#24

1,1-Dichloroethane

Concen: 60.34 ug/l

RT: 6.21 min Scan# 759

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

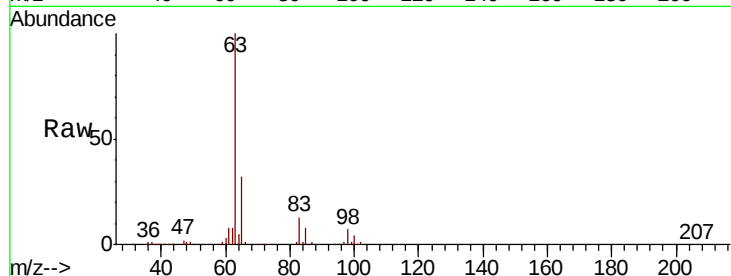
Tot Ion: 63 Resp: 632455

Ion Ratio Lower Upper

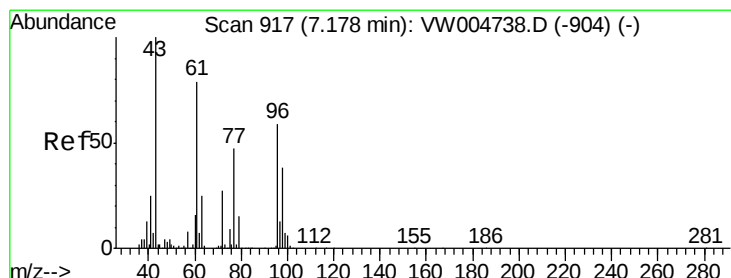
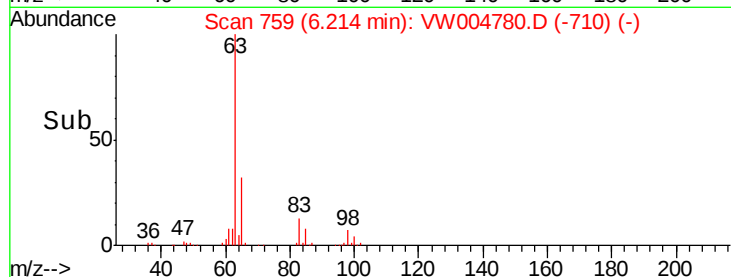
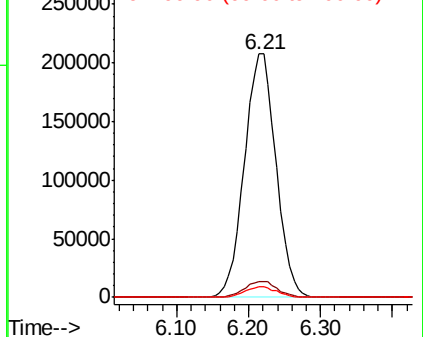
63 100

98 6.5 3.5 10.4

100 4.2 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VW
Ion 97.90 (97.60 to 98.60): VW
Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 166.27 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004780.D

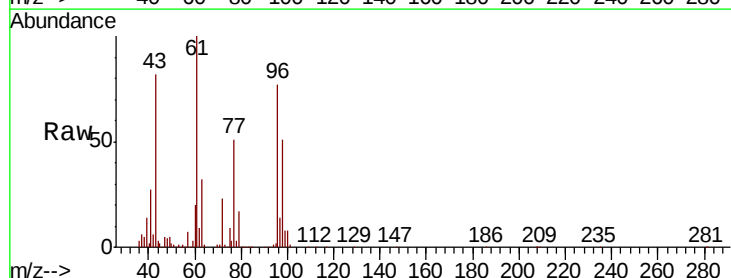
Acq: 18 Aug 2018 13:48

Tgt Ion: 43 Resp: 313752

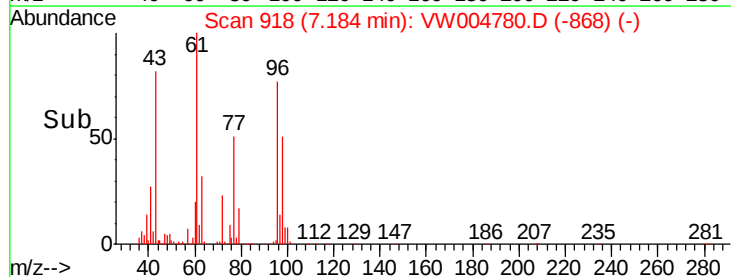
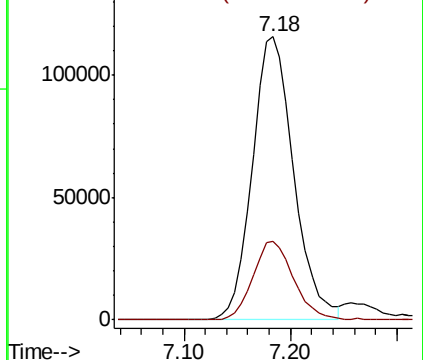
Ion Ratio Lower Upper

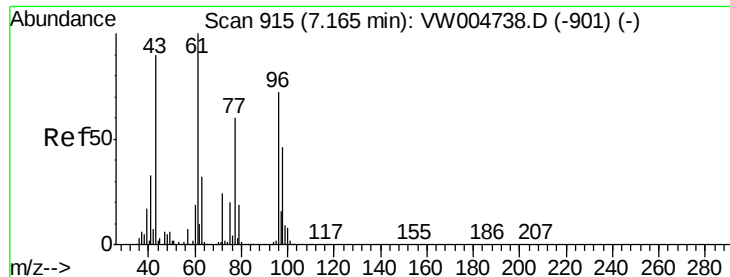
43 100

72 27.8 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#26

2,2-Dichloropropane

Concen: 46.03 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

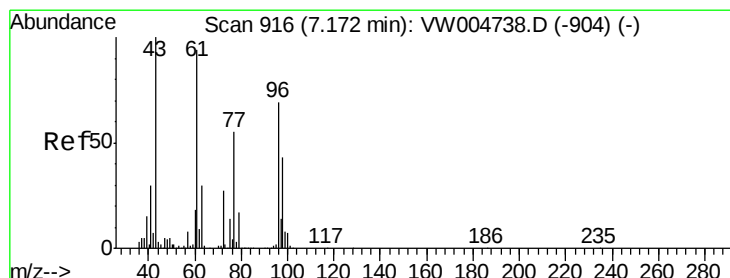
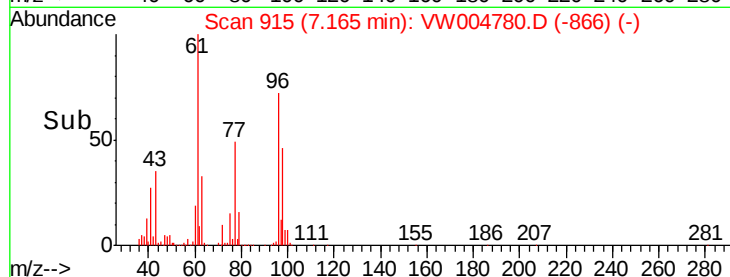
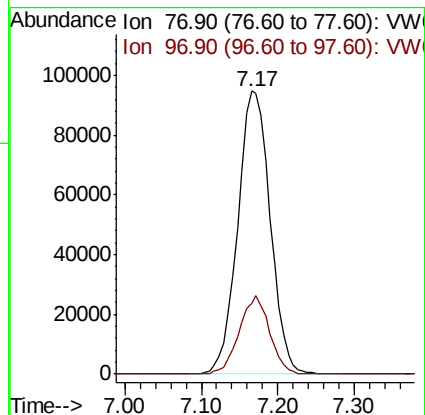
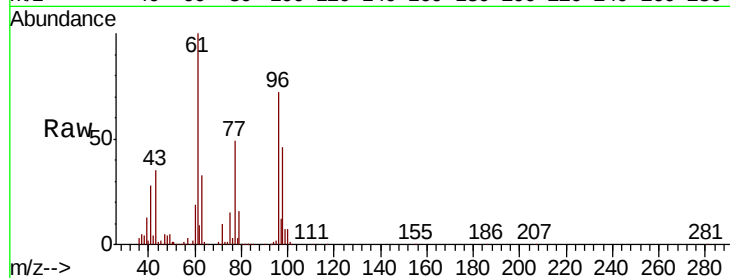
TOD1-SB-01-0-2MSD

Tot Ion: 77 Resp: 278667

Ion Ratio Lower Upper

77 100

97 25.9 12.6 37.8



#27

cis-1,2-Dichloroethene

Concen: 60.09 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

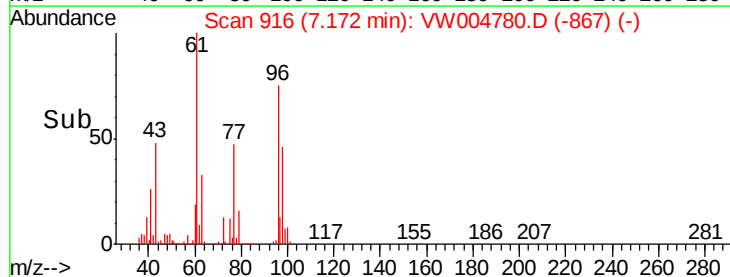
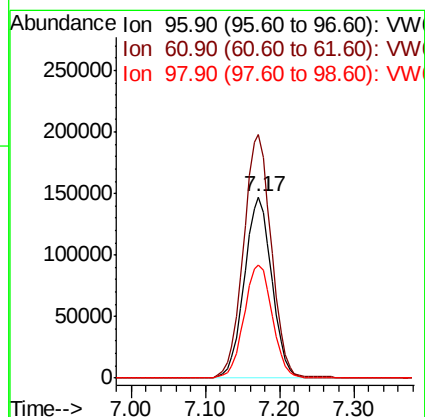
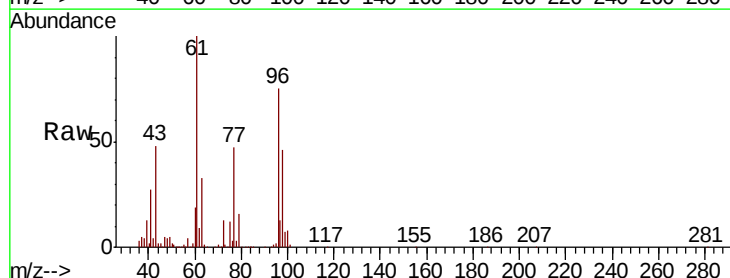
Tgt Ion: 96 Resp: 380624

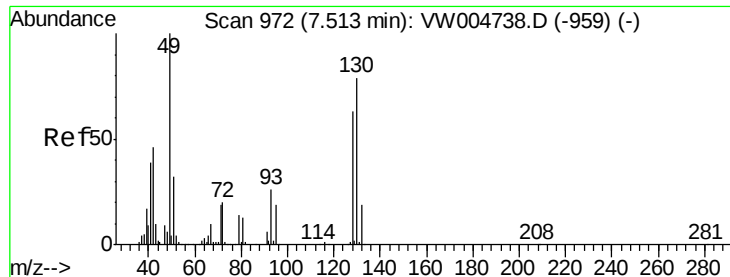
Ion Ratio Lower Upper

96 100

61 136.1 0.0 277.6

98 64.1 0.0 127.4

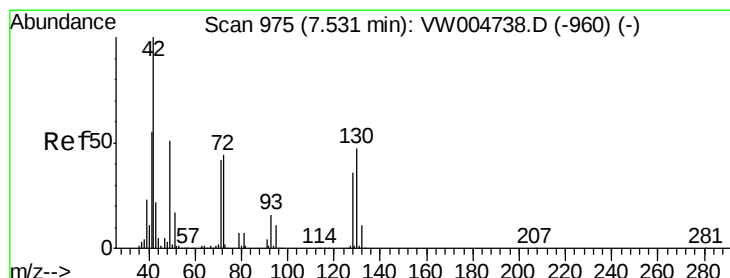
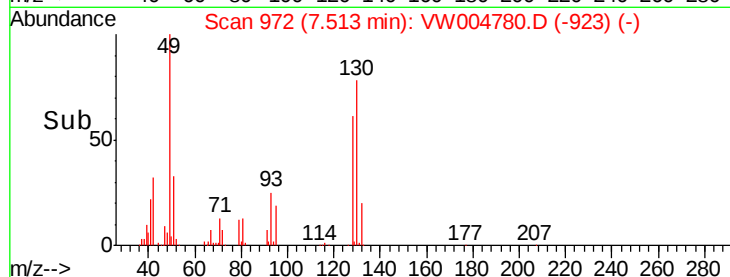
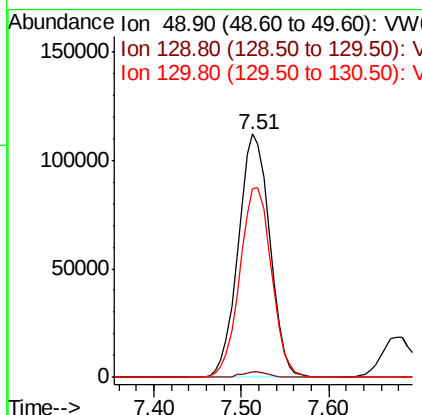
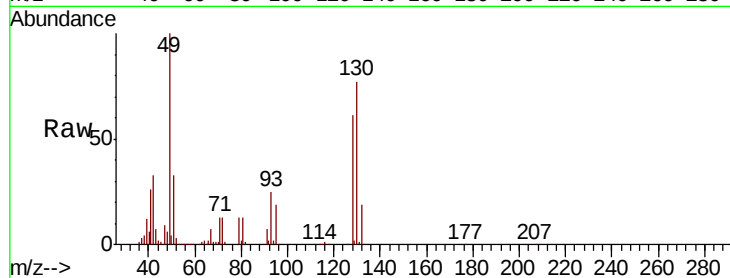




#28
 Bromochloromethane
 Concen: 63.64 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

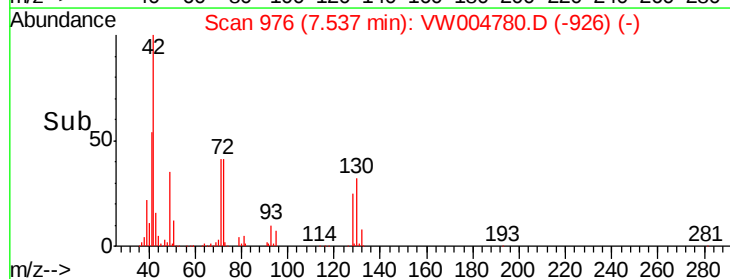
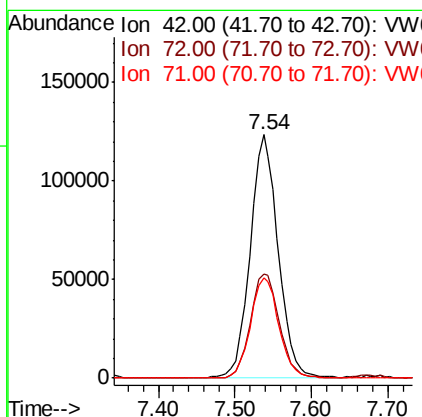
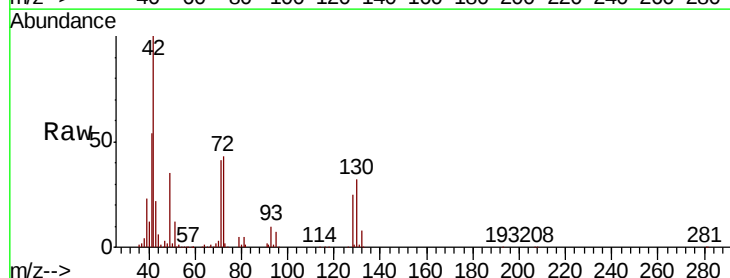
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

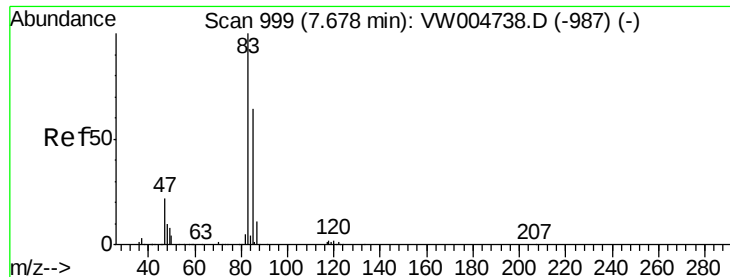
Tot Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	4.4
130	78.5	63.7	95.5



#29
 Tetrahydrofuran
 Concen: 325.79 ug/l
 RT: 7.54 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.4	34.9	52.3
71	42.0	33.8	50.6





#30

Chloroform

Concen: 61.73 ug/l

RT: 7.68 min Scan# 999

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

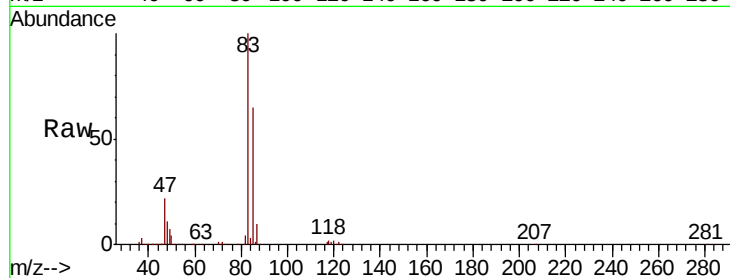
TOD1-SB-01-0-2MSD

Tot Ion: 83 Resp: 636438

Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

7.68

250000

200000

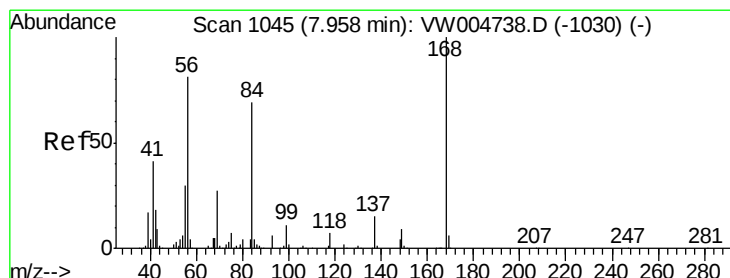
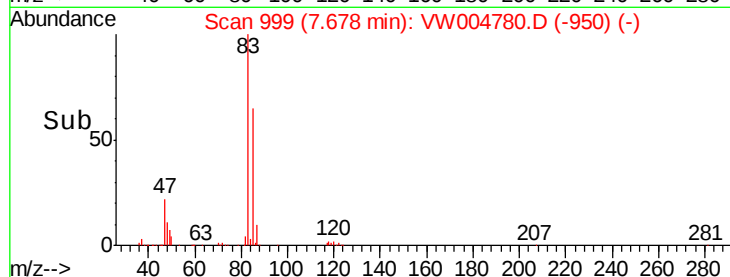
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 54.95 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

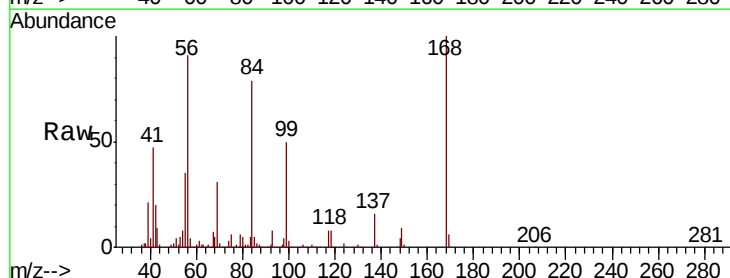
Tgt Ion: 56 Resp: 557179

Ion Ratio Lower Upper

56 100

69 33.7 27.1 40.7

84 85.9 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

400000

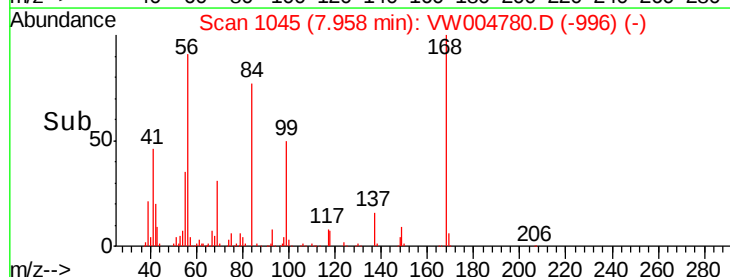
300000

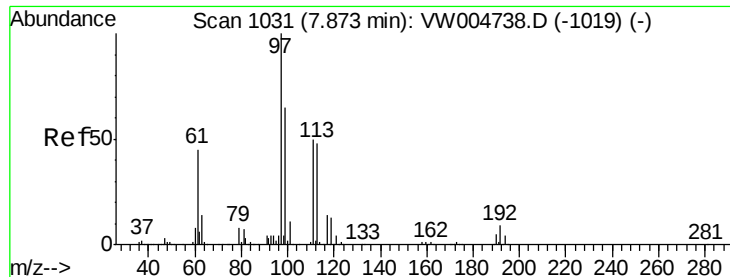
200000

100000

0

Time-->





#32

1,1,1-Trichloroethane

Concen: 60.22 ug/l

RT: 7.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

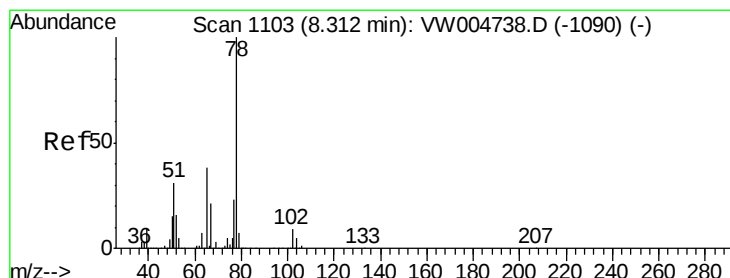
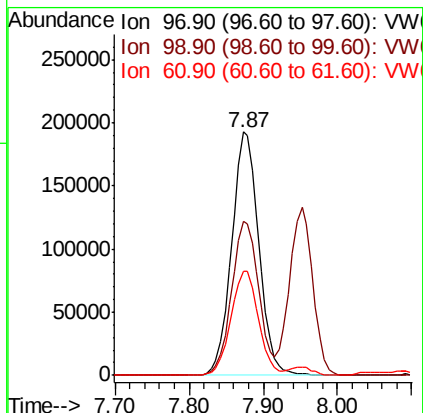
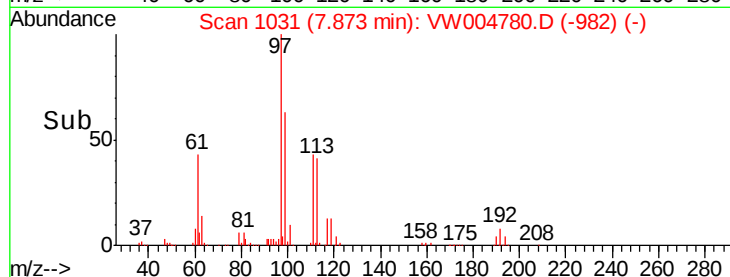
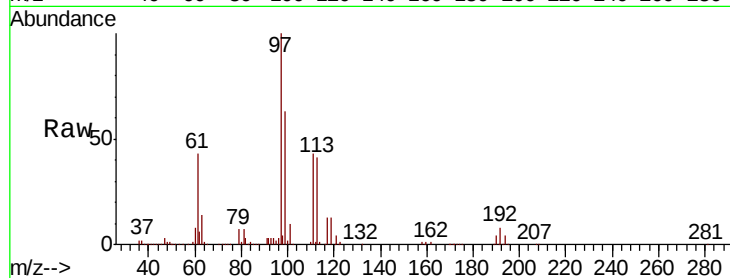
Tot Ion: 97 Resp: 492128

Ion Ratio Lower Upper

97 100

99 63.5 51.7 77.5

61 43.6 34.4 51.6



#33

1,2-Dichloroethane-d4

Concen: 57.50 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW004780.D

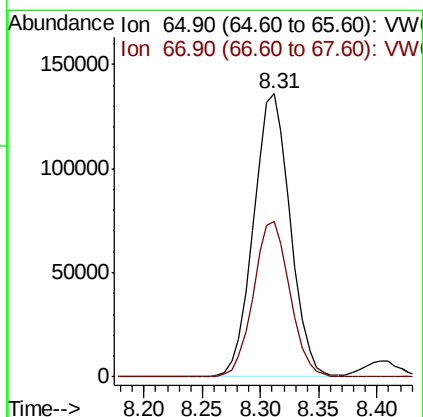
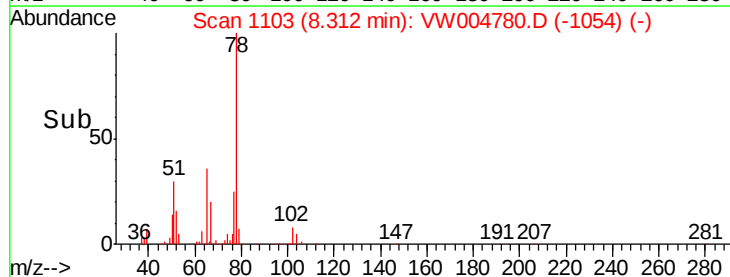
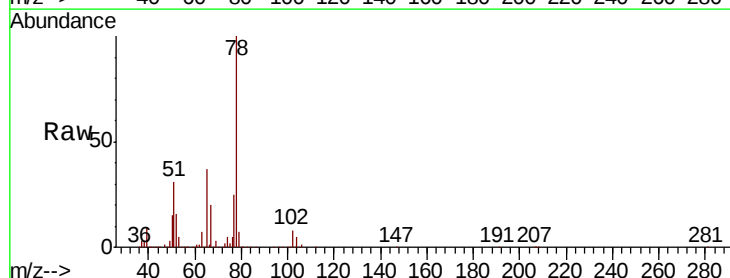
Acq: 18 Aug 2018 13:48

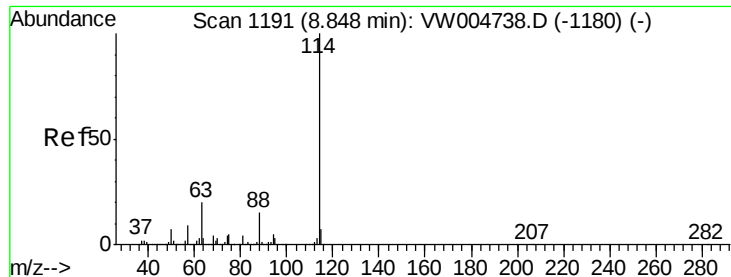
Tgt Ion: 65 Resp: 298342

Ion Ratio Lower Upper

65 100

67 54.6 0.0 109.4

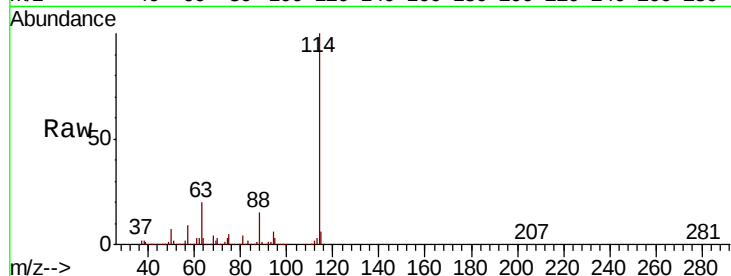




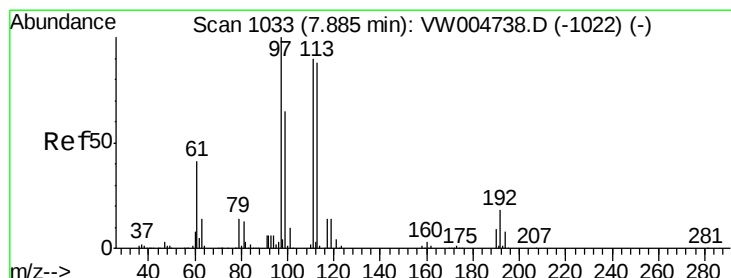
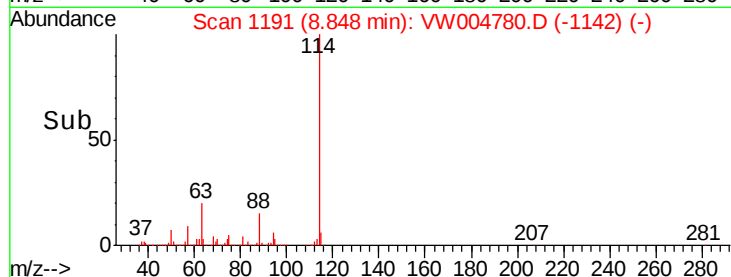
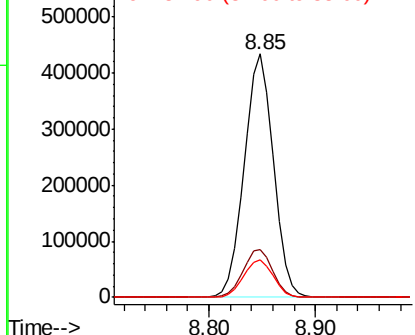
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.0
88	15.4	0.0	30.0

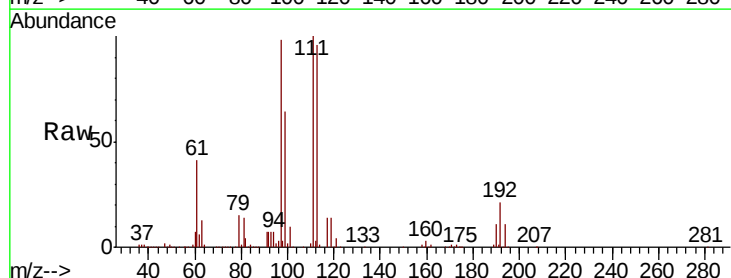


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

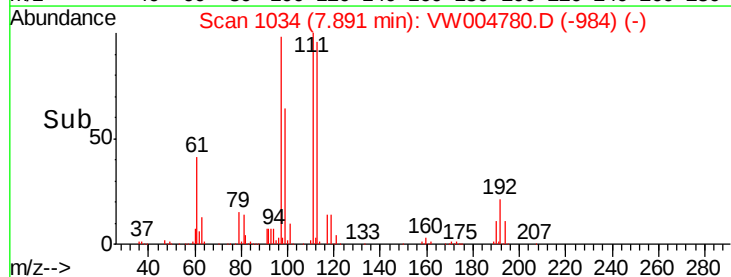
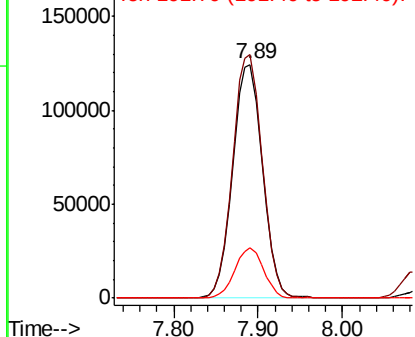


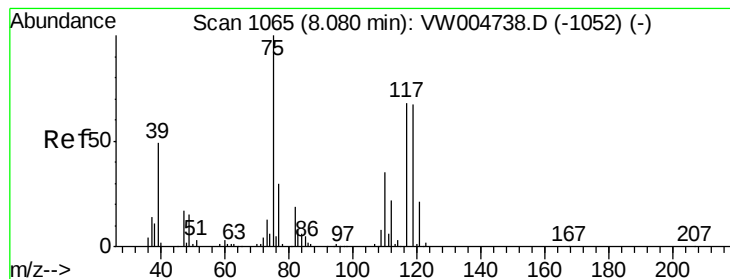
#35
 Dibromofluoromethane
 Concen: 55.56 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	20.9	16.7	25.1



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: 56.00 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

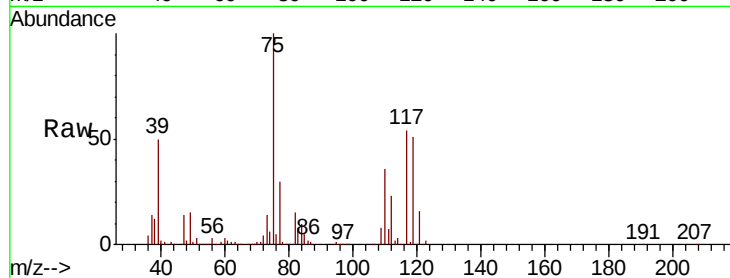
Tot Ion: 75 Resp: 482101

Ion Ratio Lower Upper

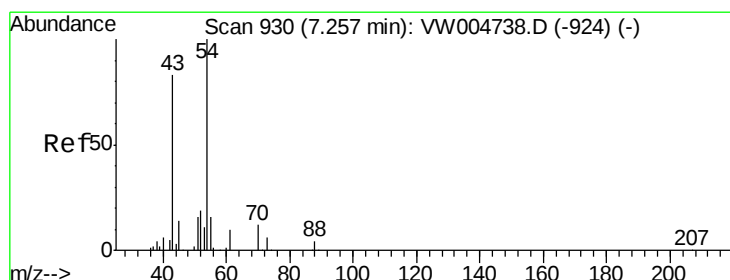
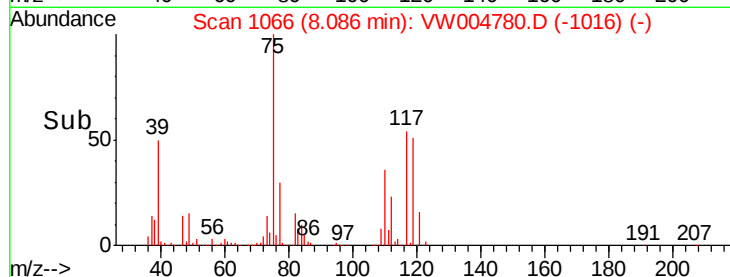
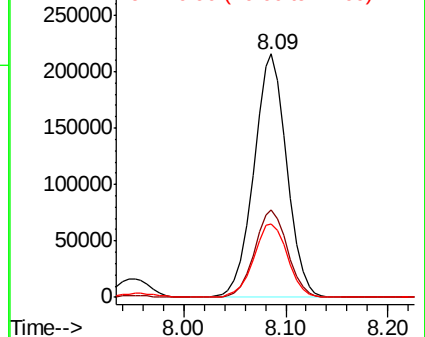
75 100

110 35.9 17.8 53.5

77 31.3 24.9 37.3



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: 5.57 ug/l

RT: 7.26 min Scan# 930

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

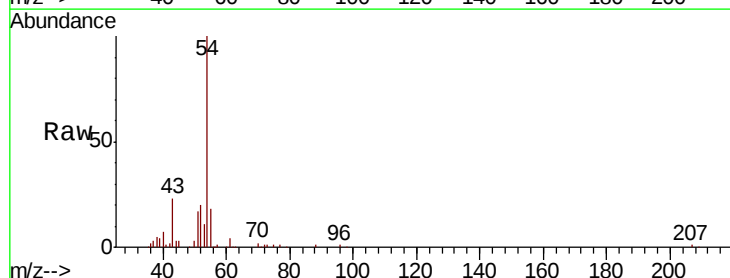
Tgt Ion: 43 Resp: 19113

Ion Ratio Lower Upper

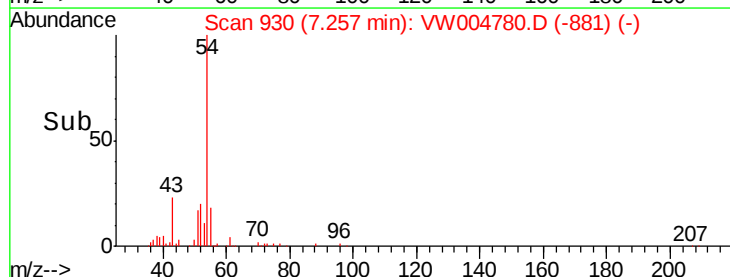
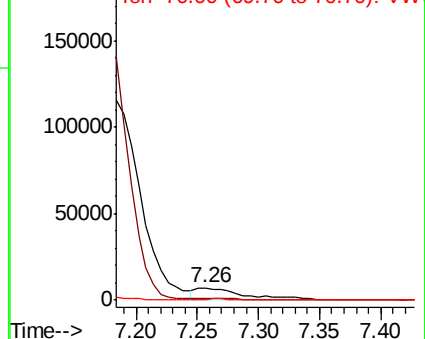
43 100

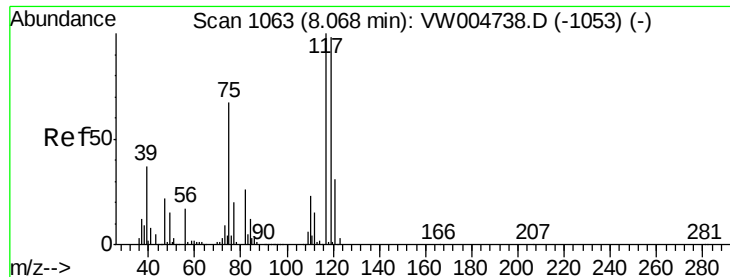
61 0.0 11.6 17.4#

70 10.3 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

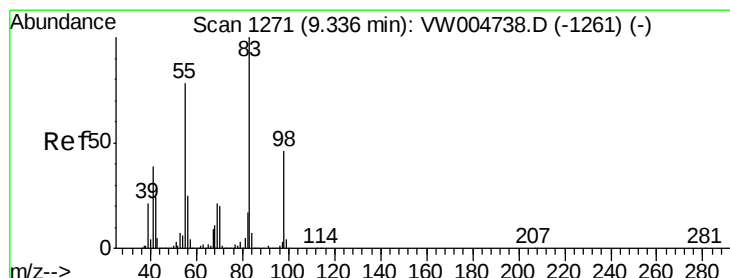
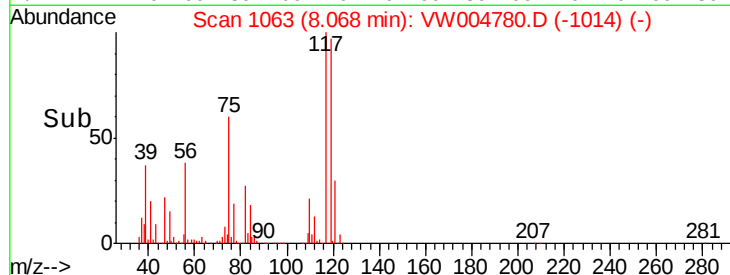
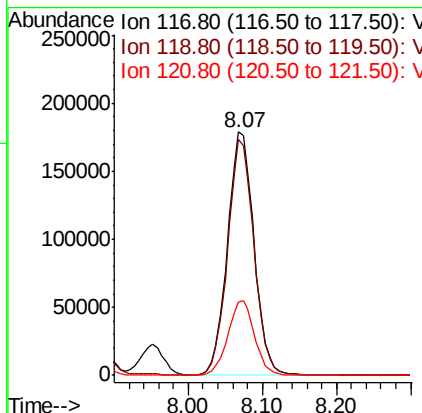
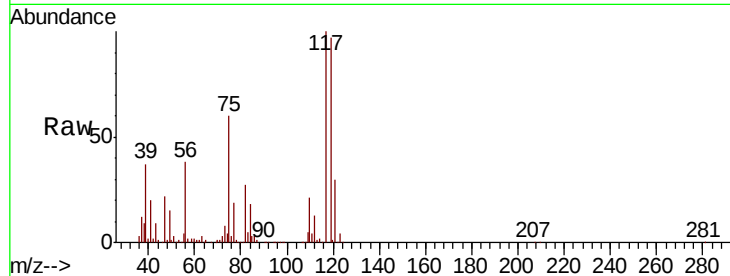




#38
Carbon Tetrachloride
Concen: 56.43 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

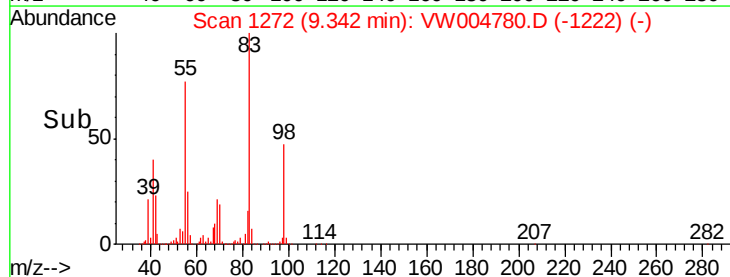
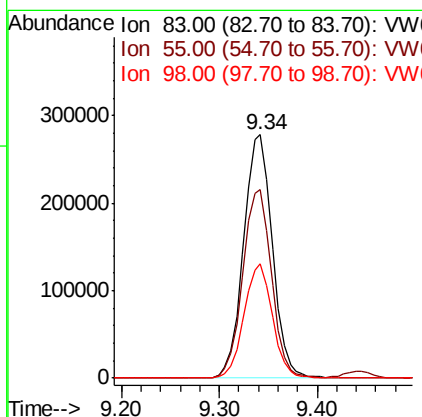
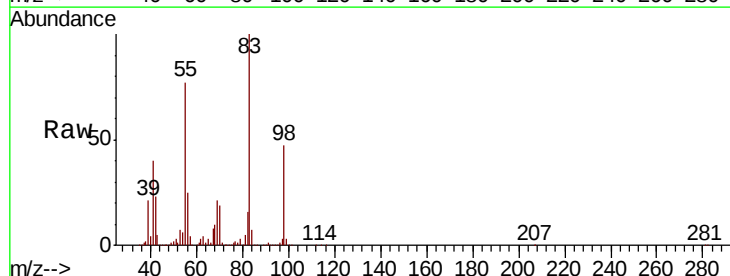
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

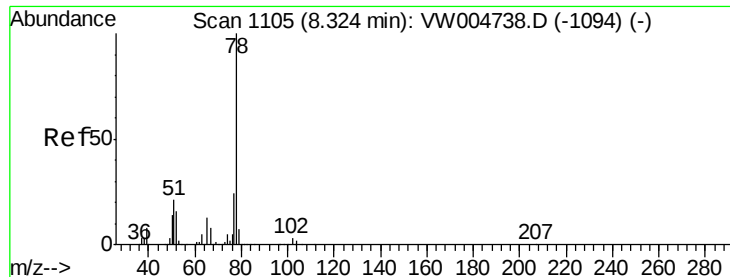
Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	78.0	117.0
121	30.3	24.8	37.2



#39
Methylcyclohexane
Concen: 52.82 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. 0.01 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.5	62.4	93.6
98	46.7	36.5	54.7





#40

Benzene

Concen: 57.28 ug/l

RT: 8.33 min Scan# 1106

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

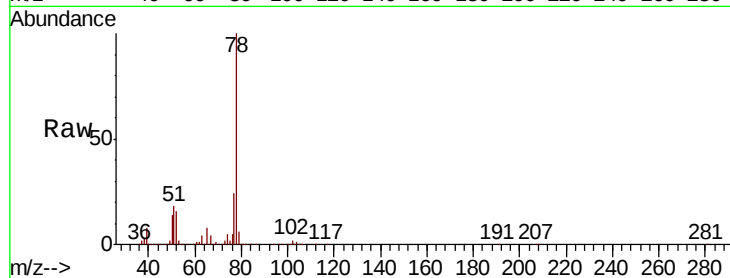
TOD1-SB-01-0-2MSD

Tot Ion: 78 Resp: 1433086

Ion Ratio Lower Upper

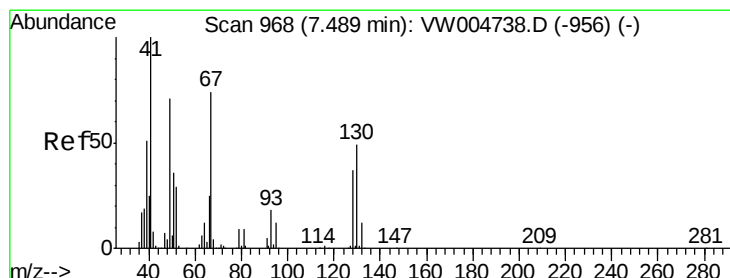
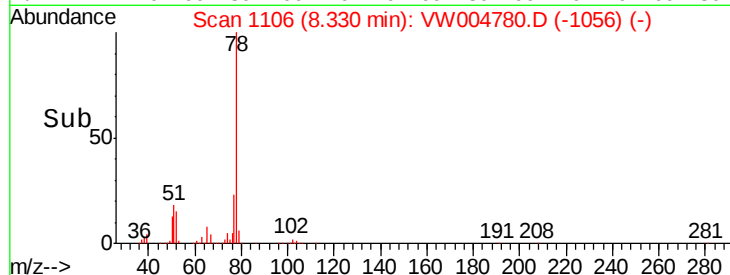
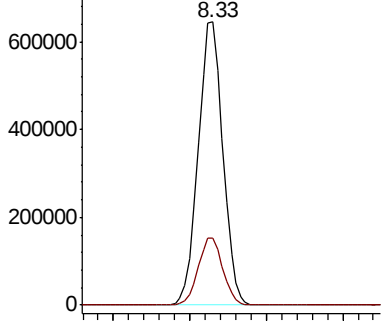
78 100

77 23.5 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VW

Ion 77.00 (76.70 to 77.70): VW



#41

Methacrylonitrile

Concen: 121.04 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.05 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Tgt Ion: 41 Resp: 235709

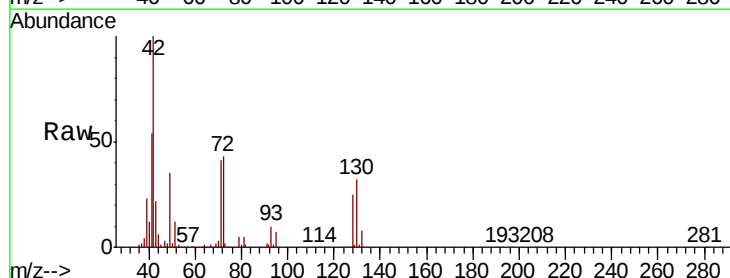
Ion Ratio Lower Upper

41 100

39 30.6 41.0 61.4#

67 0.0 59.5 89.3#

52 0.0 23.6 35.4#

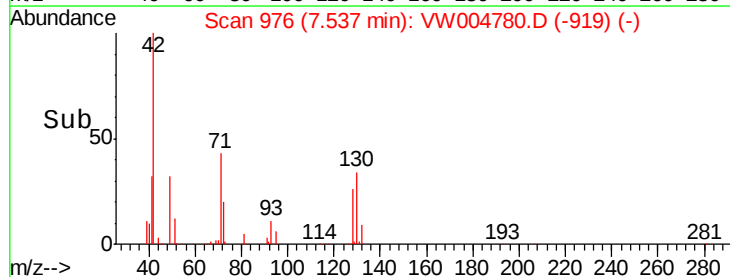
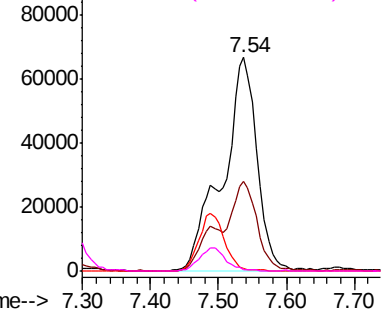


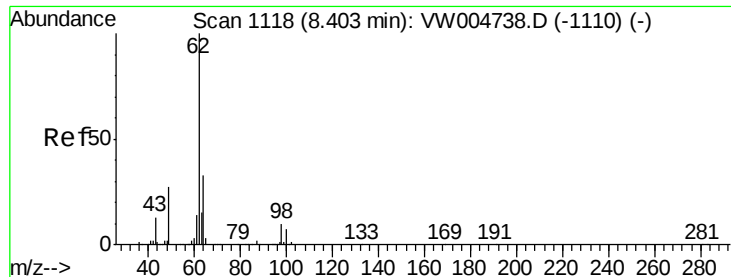
Abundance Ion 41.00 (40.70 to 41.70): VW

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: 59.54 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

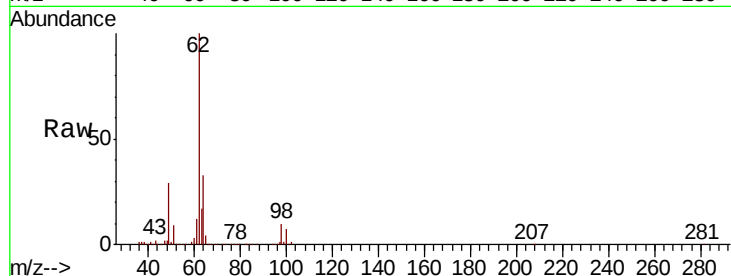
TOD1-SB-01-0-2MSD

Tot Ion: 62 Resp: 381975

Ion Ratio Lower Upper

62 100

98 10.2 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW

8.40

200000

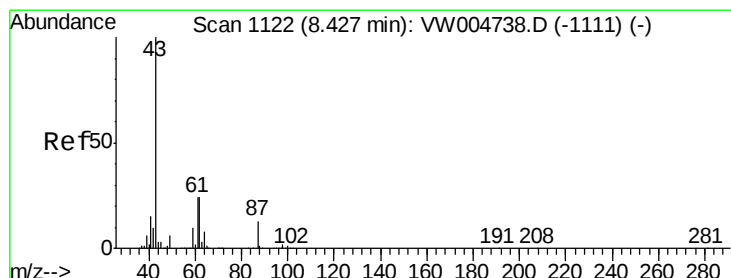
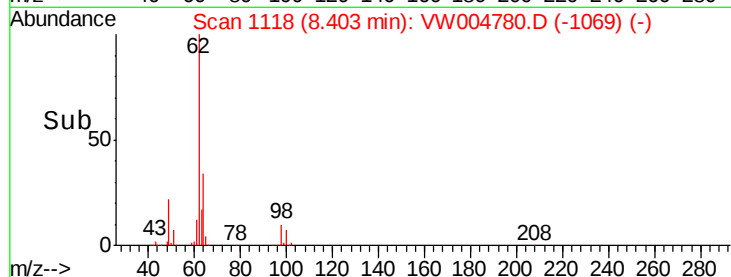
150000

100000

50000

0

Time-->



#43

Isopropyl Acetate

Concen: 14.00 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

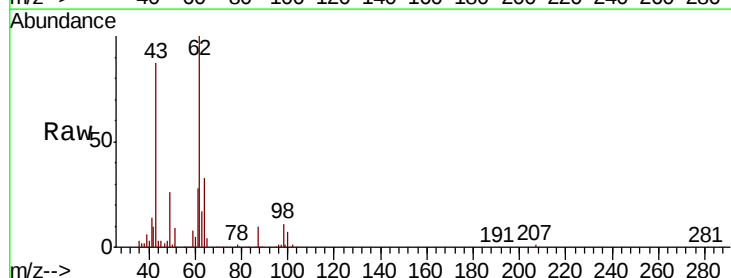
Tgt Ion: 43 Resp: 86307

Ion Ratio Lower Upper

43 100

61 0.0 26.2 39.4#

87 13.4 10.9 16.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

8.43

50000

40000

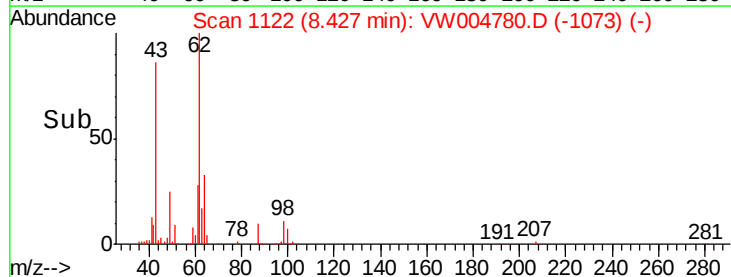
30000

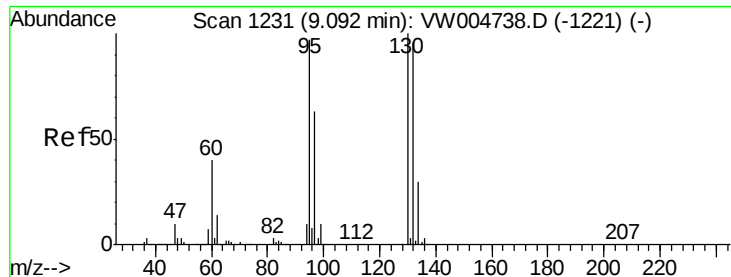
20000

10000

0

Time-->





#44

Trichloroethene

Concen: 55.19 ug/l

RT: 9.10 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

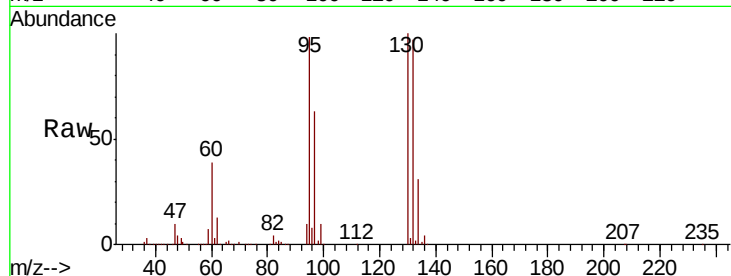
TOD1-SB-01-0-2MSD

Tot Ion:130 Resp: 350467

Ion Ratio Lower Upper

130 100

95 98.1 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

9.10

200000

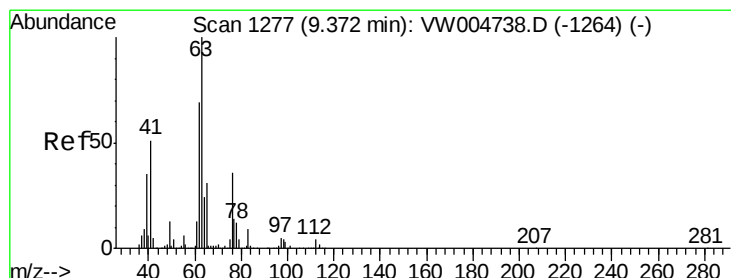
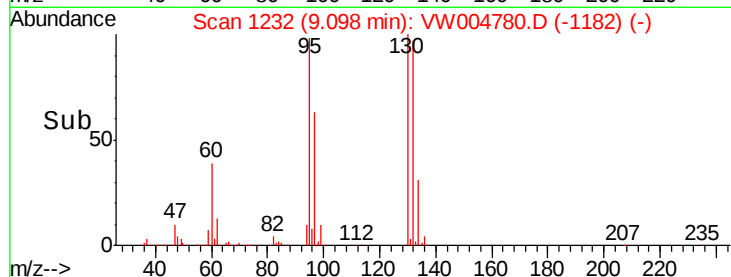
150000

100000

50000

0

Time-->



#45

1,2-Dichloropropane

Concen: 58.44 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW004780.D

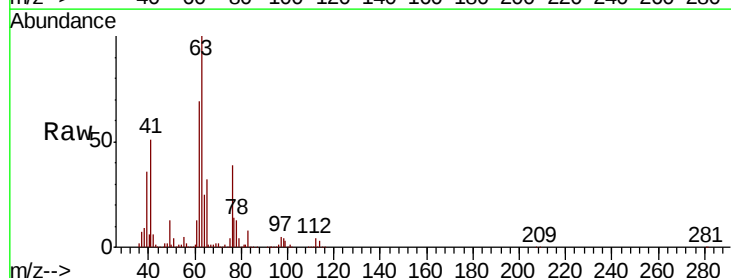
Acq: 18 Aug 2018 13:48

Tgt Ion: 63 Resp: 357615

Ion Ratio Lower Upper

63 100

65 31.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW

9.37

200000

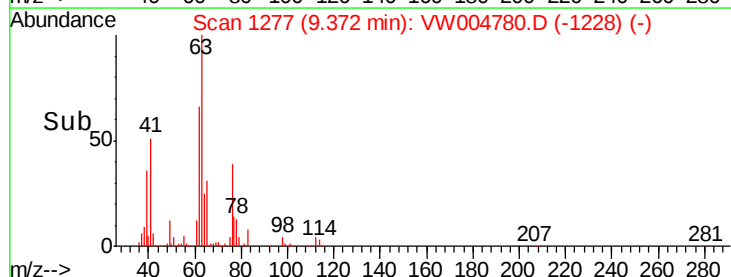
150000

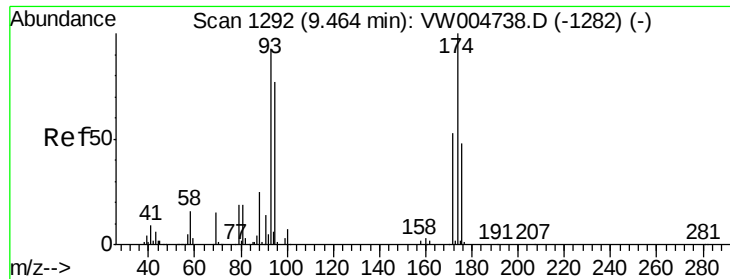
100000

50000

0

Time-->





#46

Dibromomethane

Concen: 59.27 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

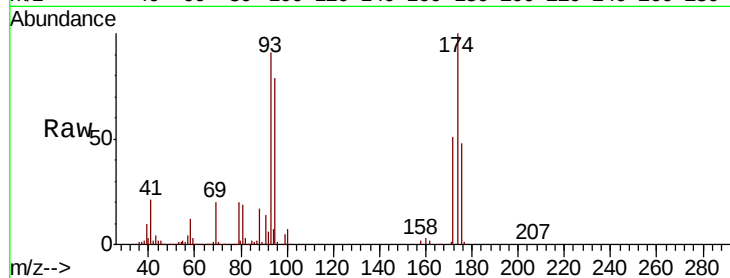
Tot Ion: 93 Resp: 179686

Ion Ratio Lower Upper

93 100

95 84.4 66.6 99.8

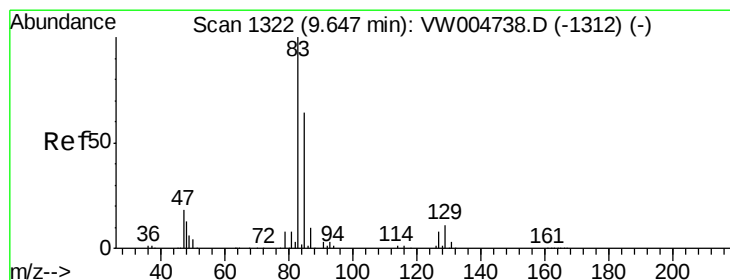
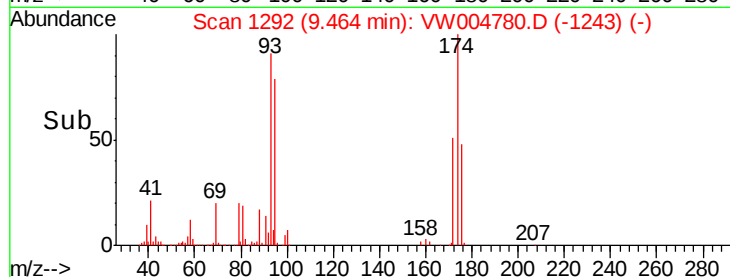
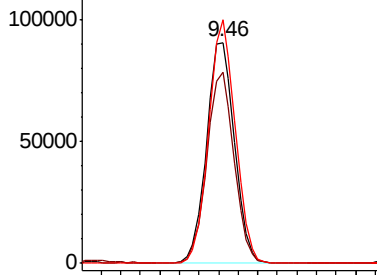
174 105.1 85.3 127.9



Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V



#47

Bromodichloromethane

Concen: 58.47 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

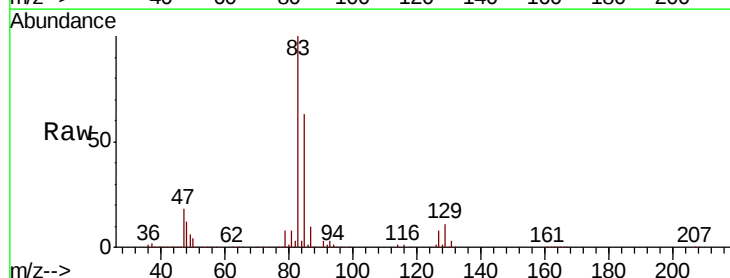
Tgt Ion: 83 Resp: 423370

Ion Ratio Lower Upper

83 100

85 62.7 51.2 76.8

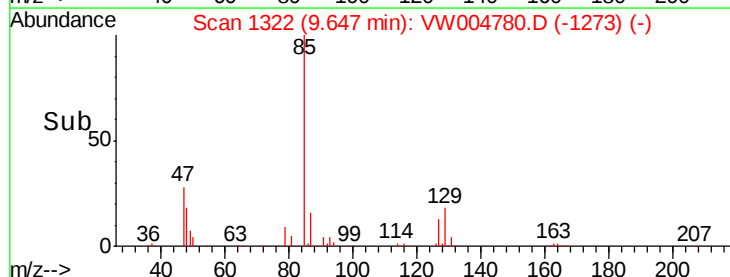
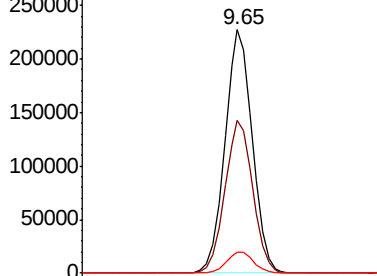
127 8.4 6.7 10.1

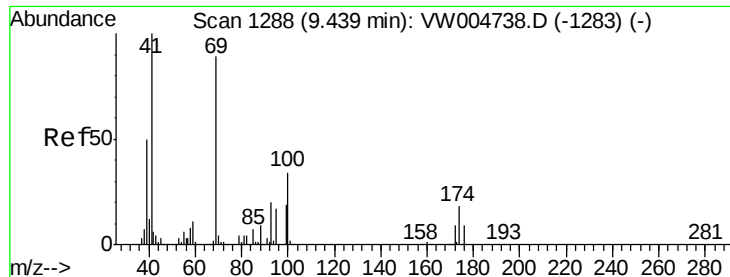


Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): V

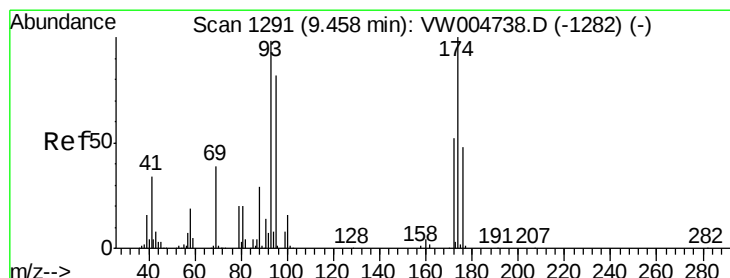
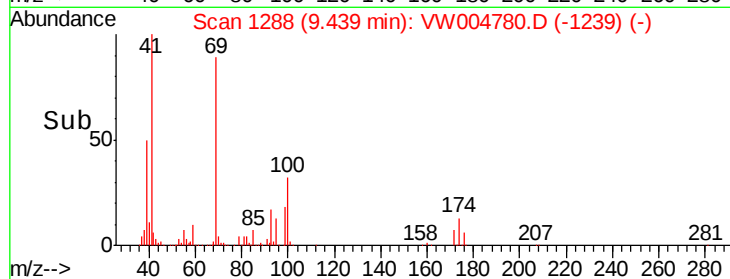
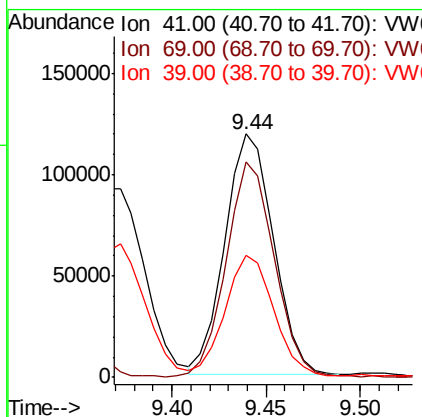
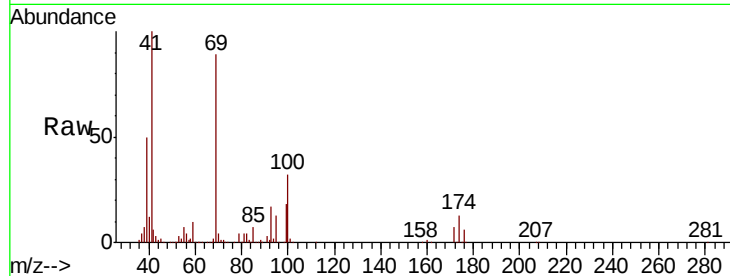




#48
Methvl methacrylate
Concen: 73.30 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

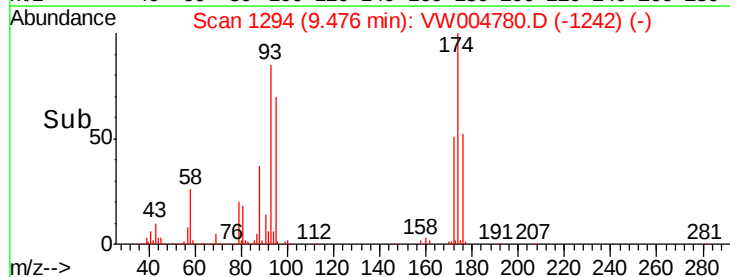
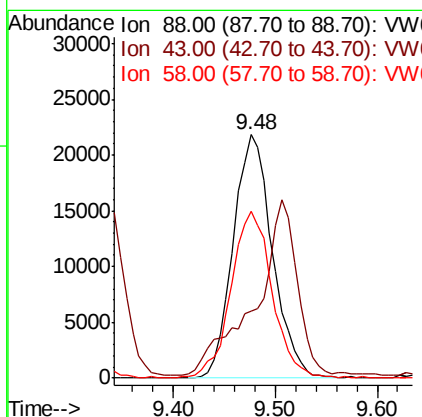
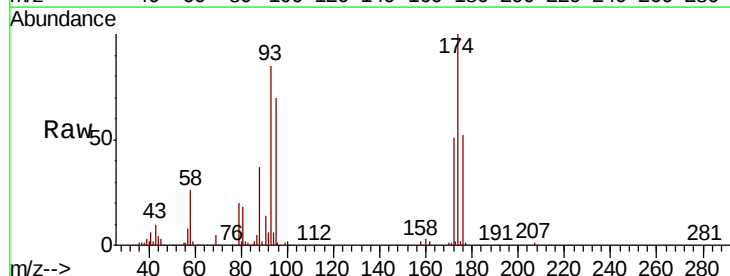
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

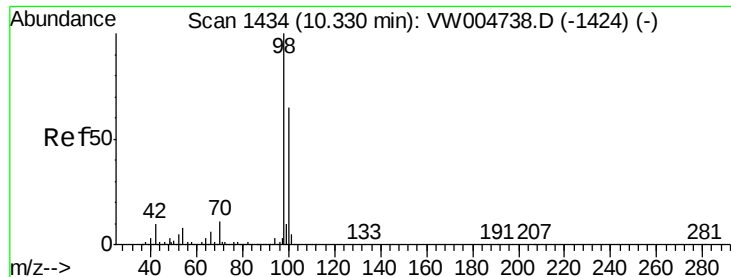
Tot Ion: 41 Resp: 211994
Ion Ratio Lower Upper
41 100
69 89.6 75.2 112.8
39 51.4 39.8 59.6



#49
1,4-Dioxane
Concen: 1313.15 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. 0.02 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion: 88 Resp: 58162
Ion Ratio Lower Upper
88 100
43 0.0 22.9 34.3#
58 72.3 60.0 90.0





#50

Toluene-d8

Concen: 53.02 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

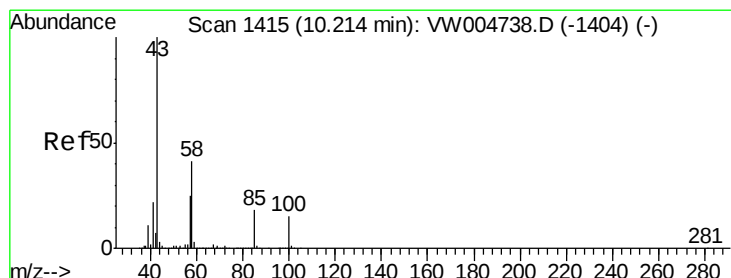
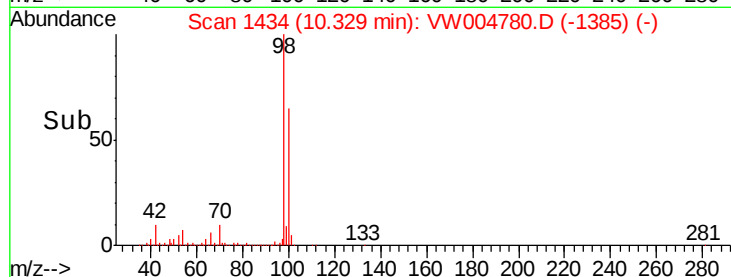
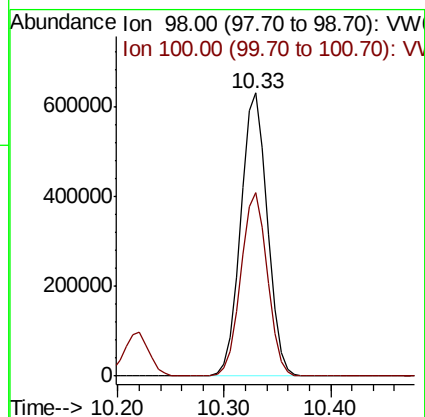
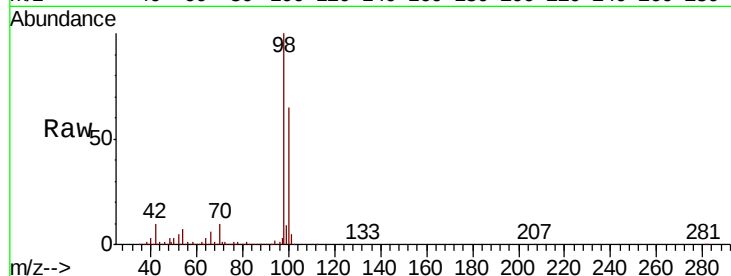
TOD1-SB-01-0-2MSD

Tot Ion: 98 Resp: 1105307

Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 253.37 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004780.D

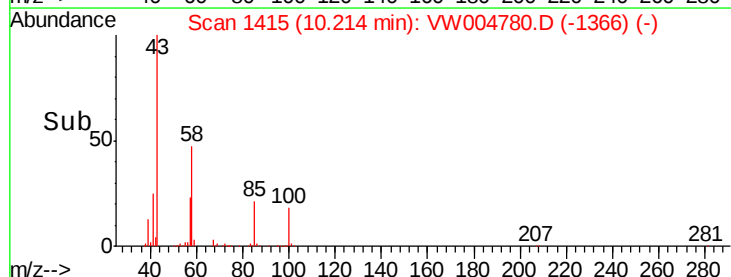
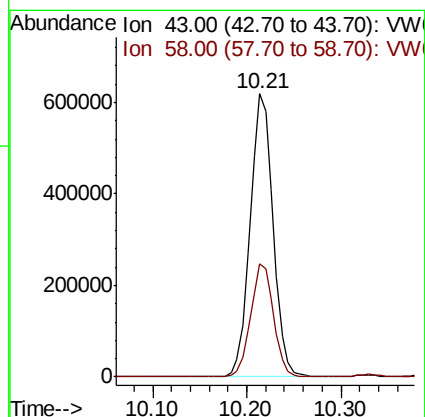
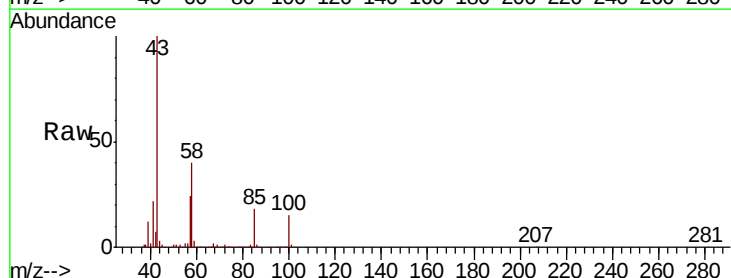
Acq: 18 Aug 2018 13:48

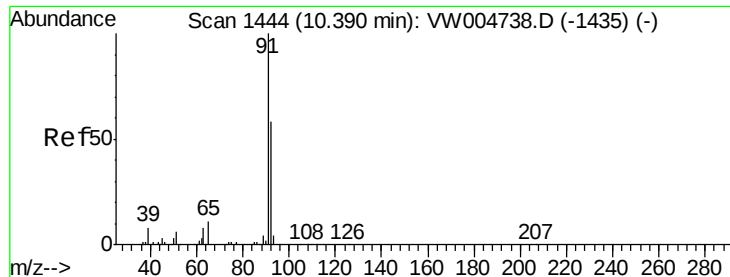
Tgt Ion: 43 Resp: 1055474

Ion Ratio Lower Upper

43 100

58 40.1 32.7 49.1





#52

Toluene

Concen: 56.17 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

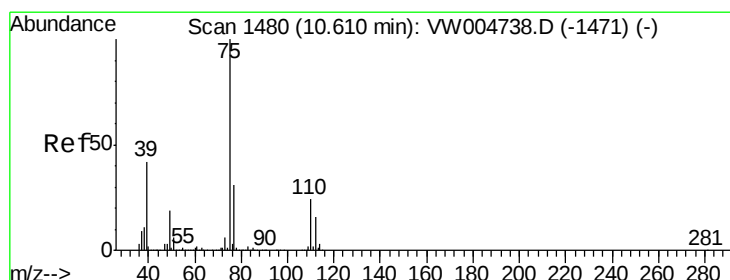
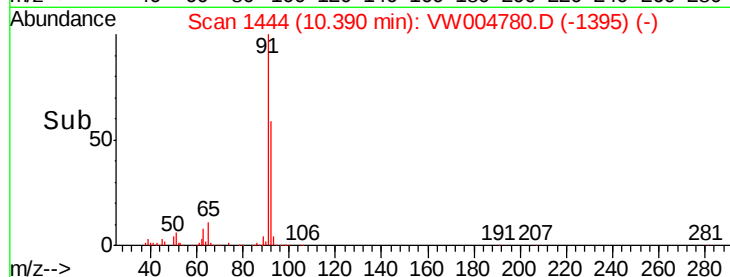
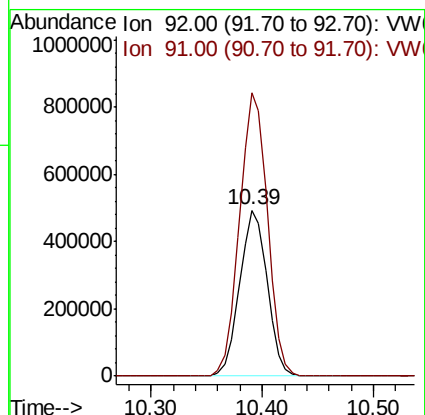
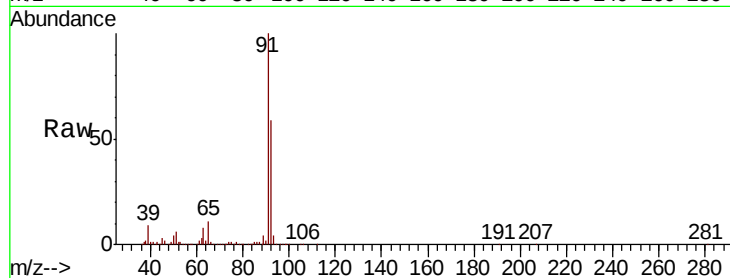
TOD1-SB-01-0-2MSD

Tot Ion: 92 Resp: 842729

Ion Ratio Lower Upper

92 100

91 172.9 138.3 207.5



#53

t-1,3-Dichloropropene

Concen: 51.45 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW004780.D

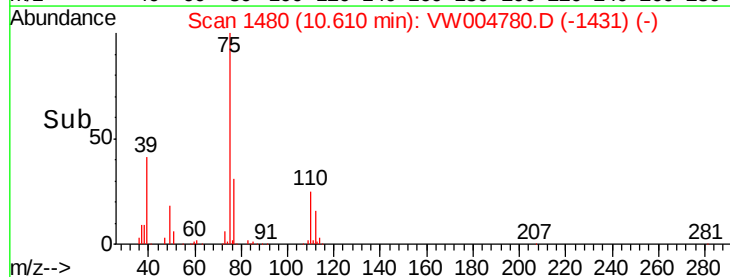
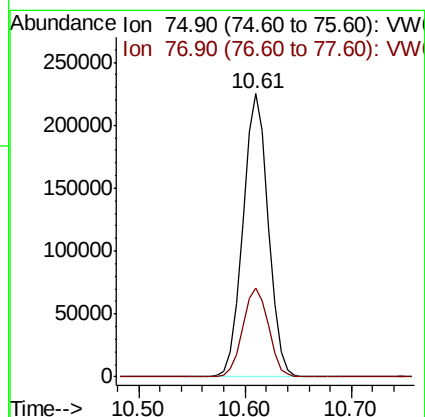
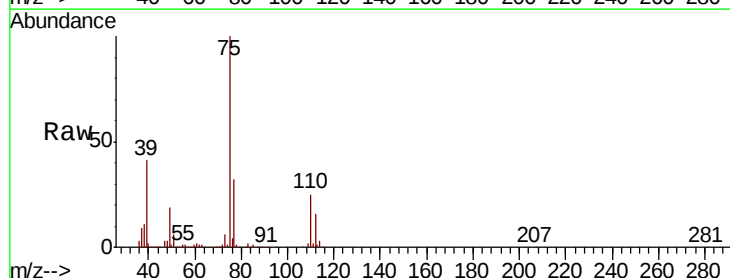
Acq: 18 Aug 2018 13:48

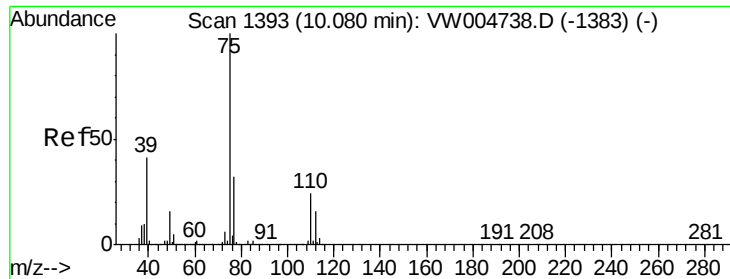
Tgt Ion: 75 Resp: 375294

Ion Ratio Lower Upper

75 100

77 31.5 24.8 37.2





#54

cis-1,3-Dichloropropene

Concen: 51.18 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

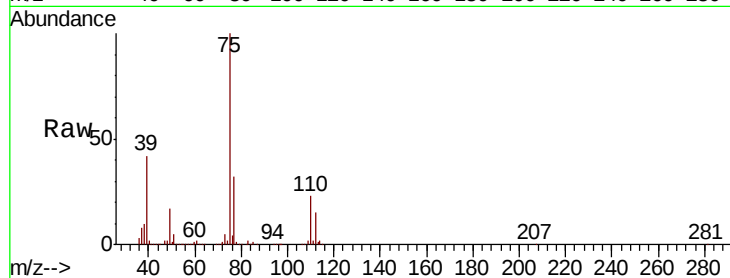
Tot Ion: 75 Resp: 445100

Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 41.7 33.0 49.4

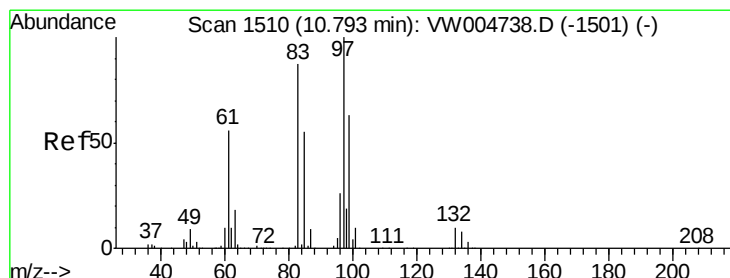
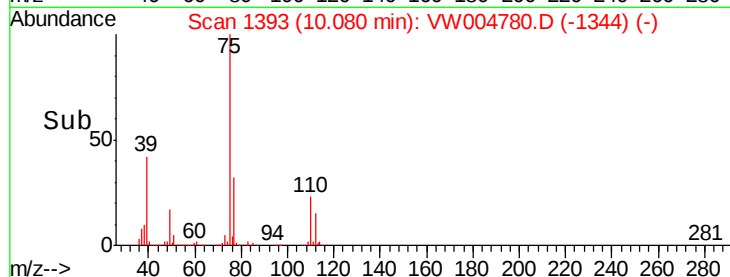
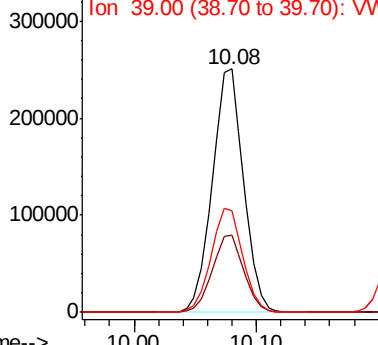


Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW



#55

1,1,2-Trichloroethane

Concen: 58.55 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Tgt Ion: 97 Resp: 252299

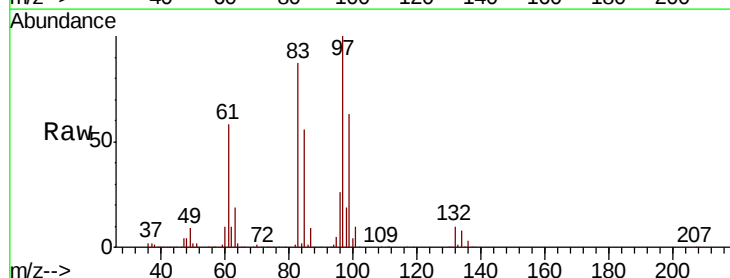
Ion Ratio Lower Upper

97 100

83 87.2 69.4 104.2

85 55.6 44.3 66.5

99 63.1 50.2 75.2



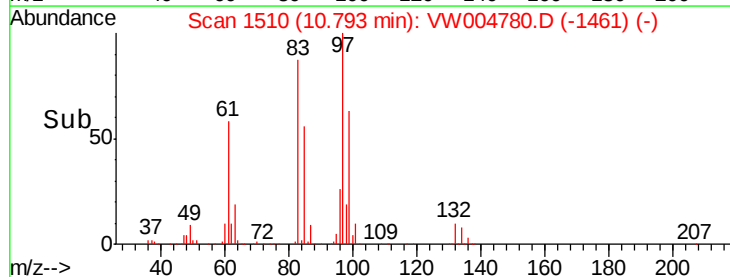
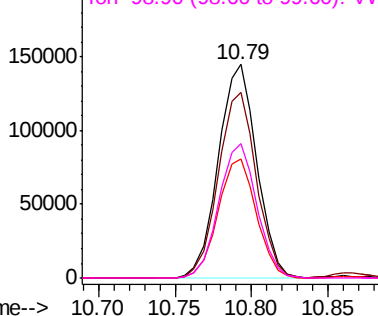
Abundance

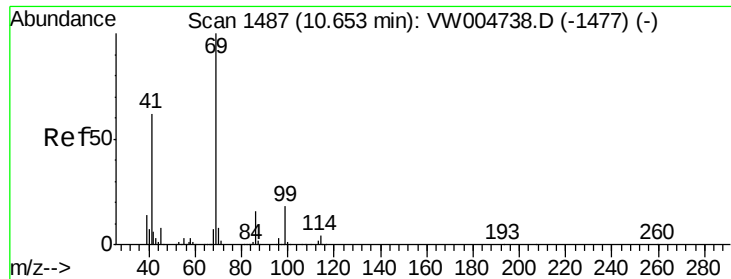
Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW





#56

Ethyl methacrylate

Concen: 12.55 ug/l

RT: 10.65 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

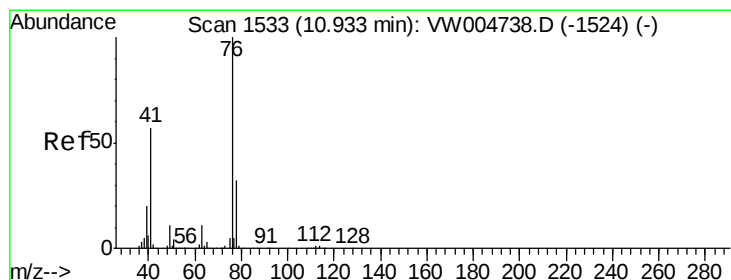
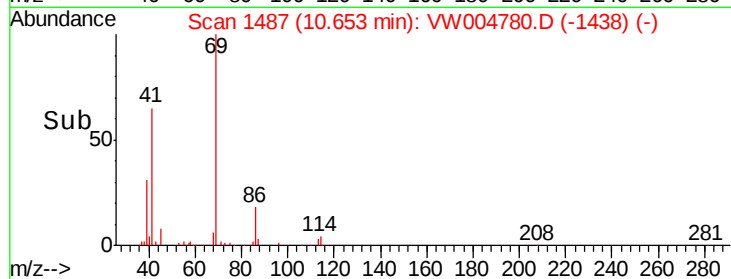
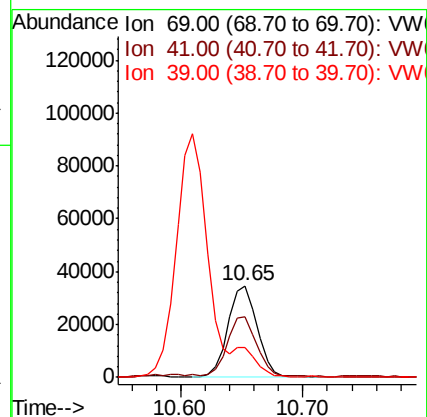
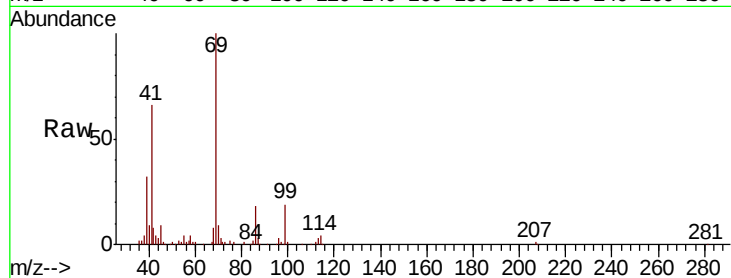
Tot Ion: 69 Resp: 57270

Ion Ratio Lower Upper

69 100

41 65.2 50.7 76.1

39 0.0 21.4 32.2#



#57

1,3-Dichloropropane

Concen: 58.28 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. 0.01 min

Lab File: VW004780.D

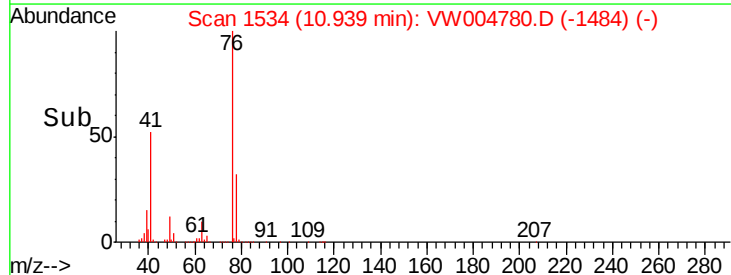
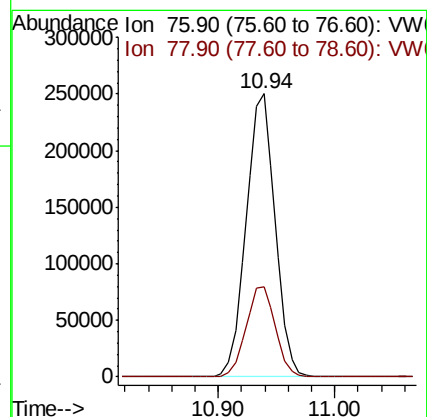
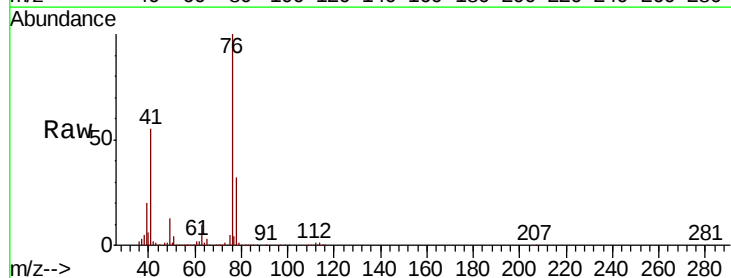
Acq: 18 Aug 2018 13:48

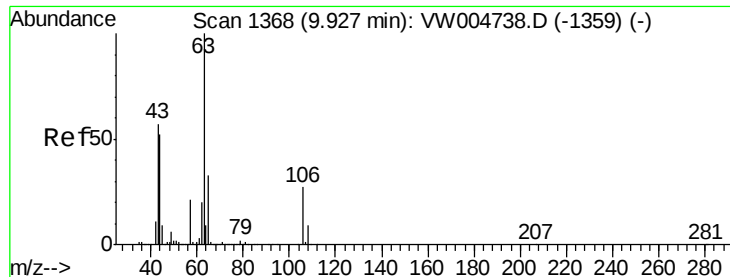
Tgt Ion: 76 Resp: 433514

Ion Ratio Lower Upper

76 100

78 32.3 25.9 38.9

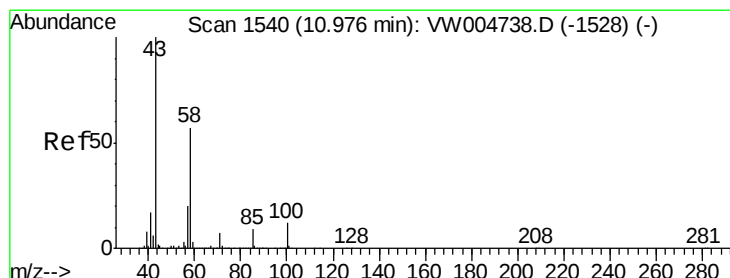
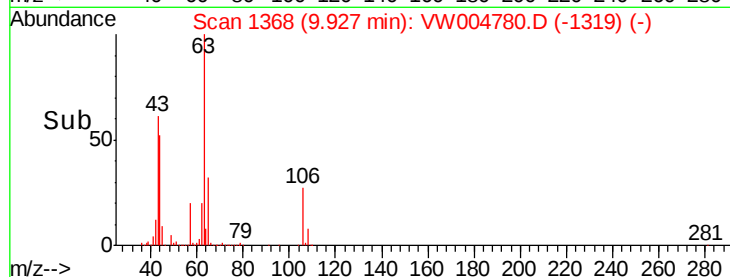
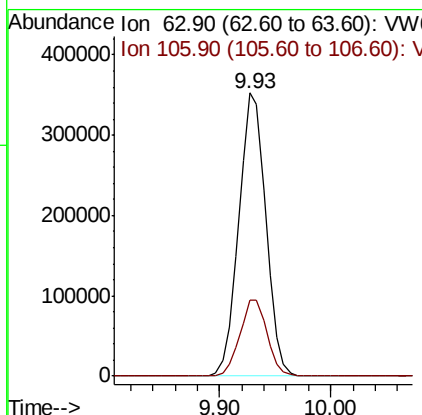
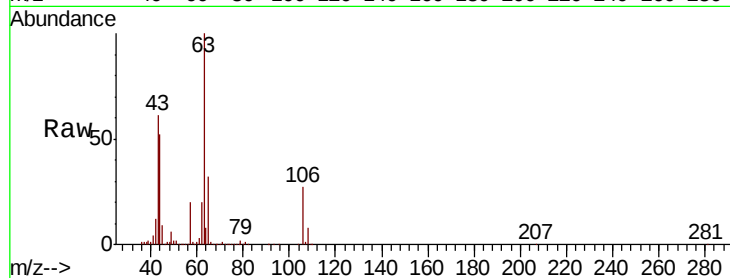




#58
 2-Chloroethyl Vinyl ether
 Concen: 249.43 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

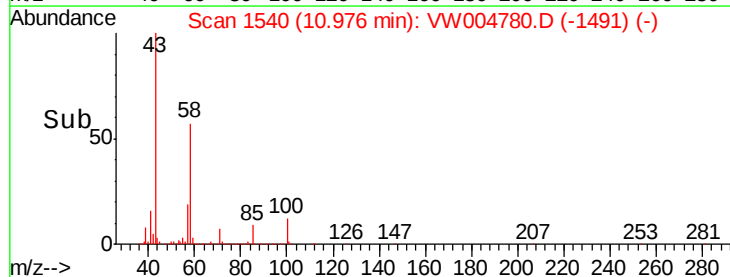
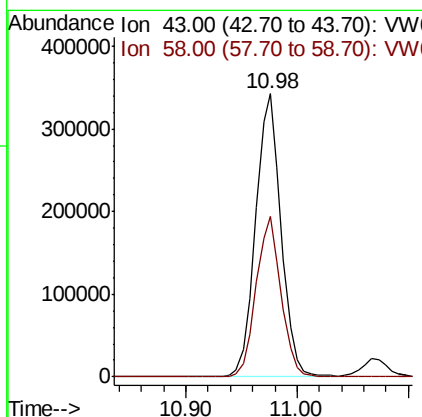
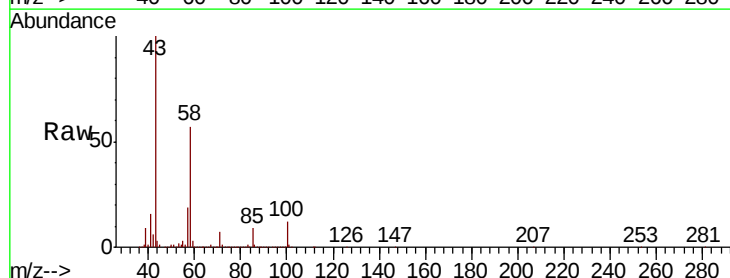
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

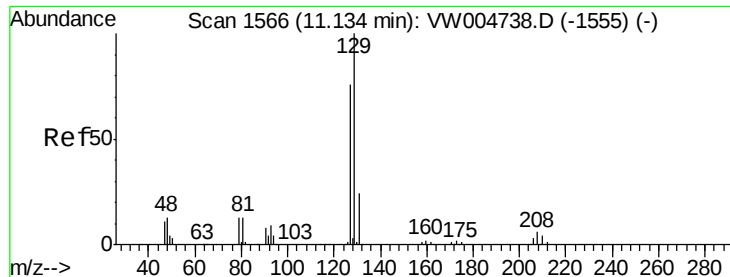
Tot Ion: 63 Resp: 593615
 Ion Ratio Lower Upper
 63 100
 106 27.1 22.1 33.1



#59
 2-Hexanone
 Concen: 192.62 ug/l
 RT: 10.98 min Scan# 1540
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion: 43 Resp: 543688
 Ion Ratio Lower Upper
 43 100
 58 55.7 28.1 84.4

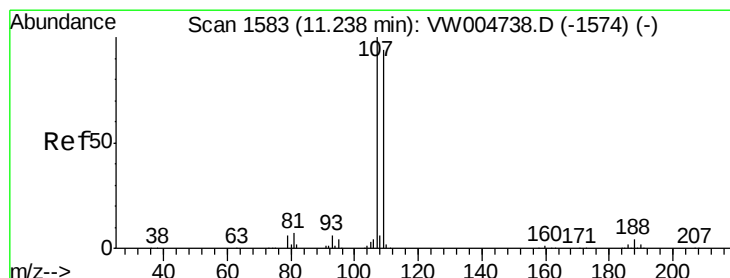
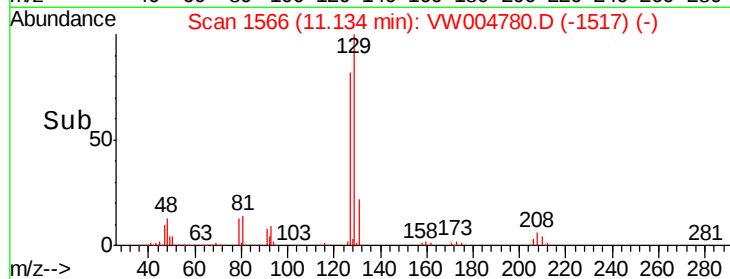
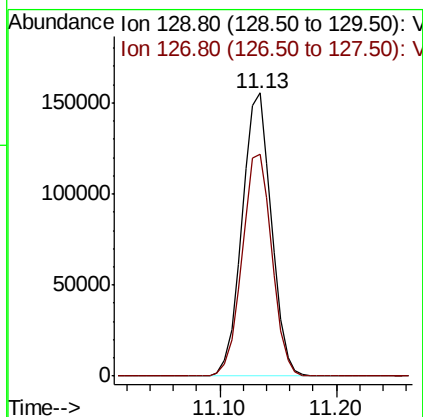
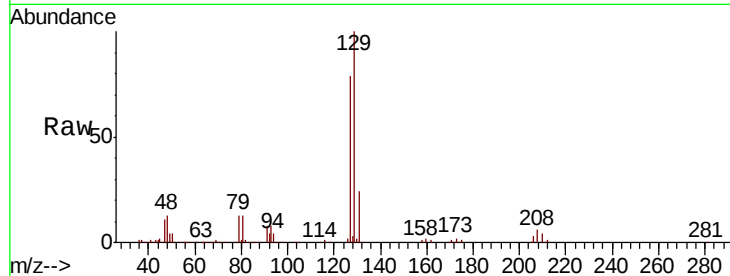




#60
 Dibromochloromethane
 Concen: 56.40 ug/l
 RT: 11.13 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

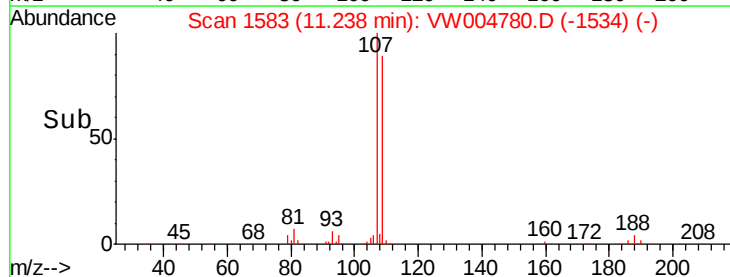
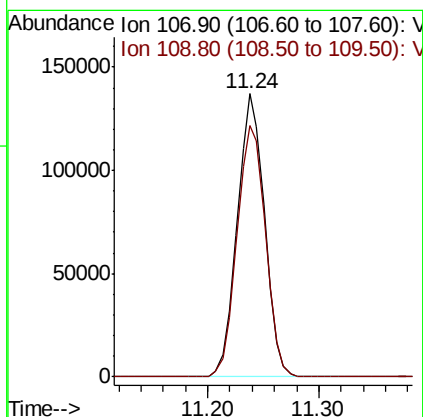
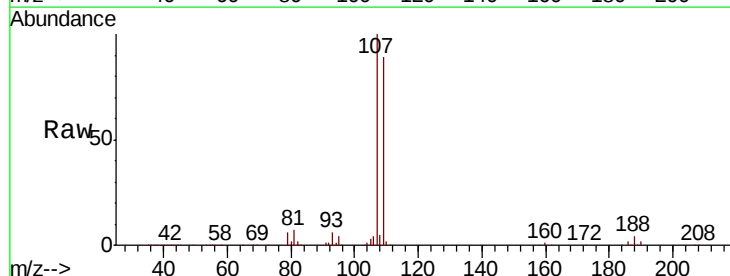
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

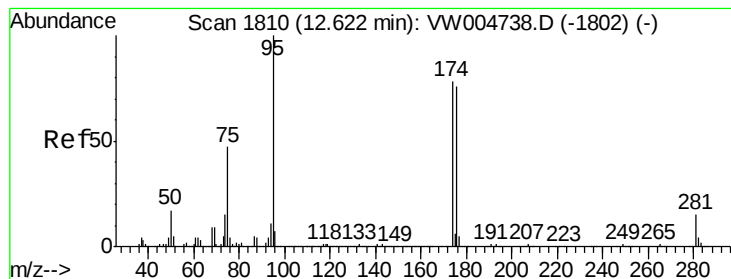
Tot Ion:129 Resp: 272689
 Ion Ratio Lower Upper
 129 100
 127 79.8 38.5 115.5



#61
 1,2-Dibromoethane
 Concen: 56.19 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion:107 Resp: 231459
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.5 113.3





#62

4-Bromofluorobenzene

Concen: 47.05 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

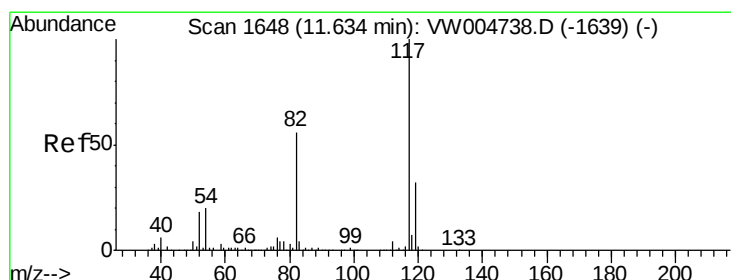
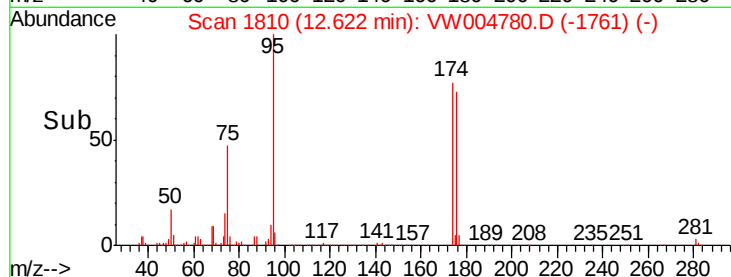
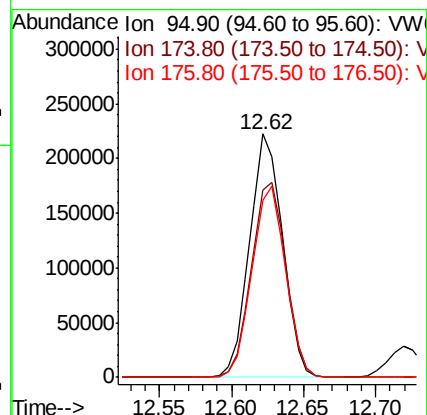
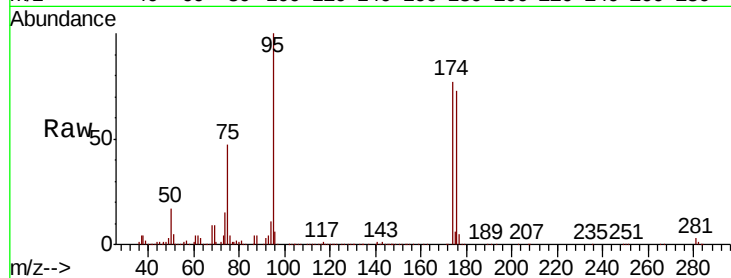
Tot Ion: 95 Resp: 352897

Ion Ratio Lower Upper

95 100

174 83.4 0.0 165.8

176 79.8 0.0 159.8



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

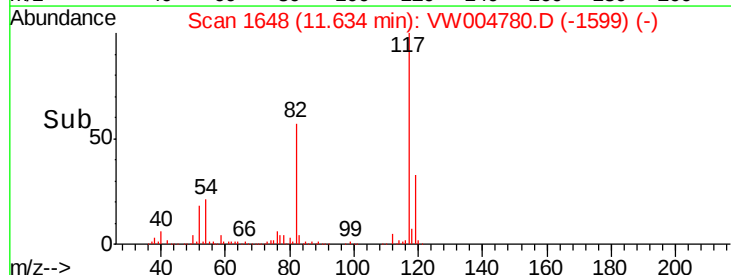
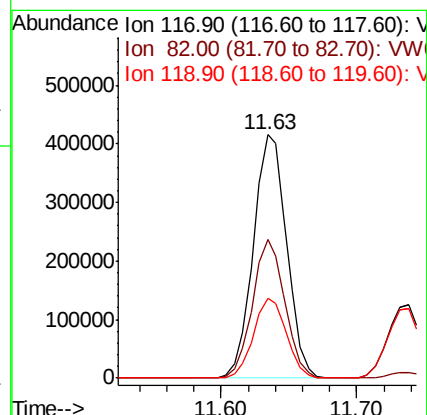
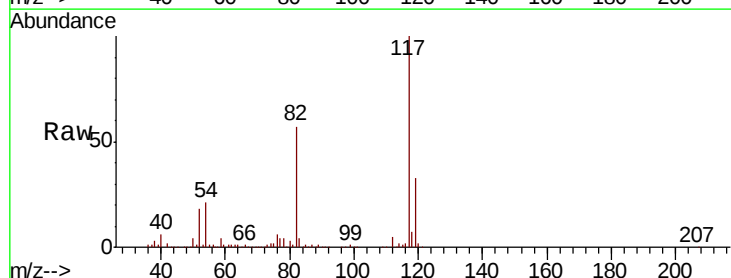
Tgt Ion: 117 Resp: 711545

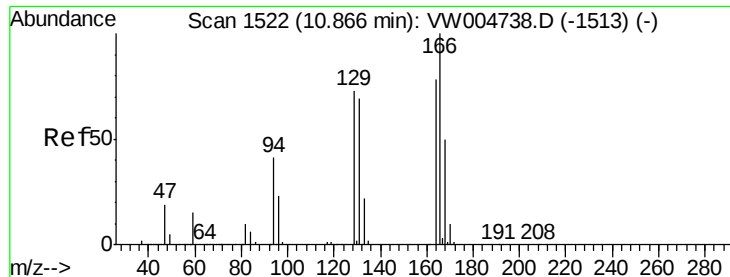
Ion Ratio Lower Upper

117 100

82 56.9 44.6 67.0

119 32.8 25.6 38.4

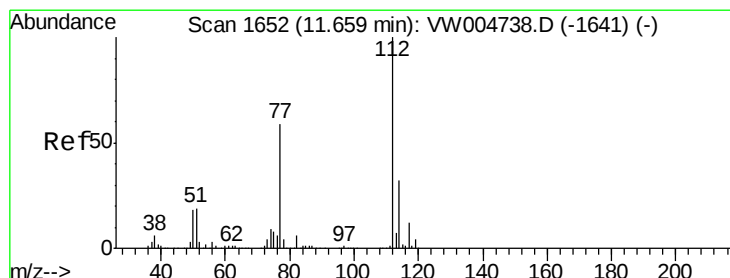
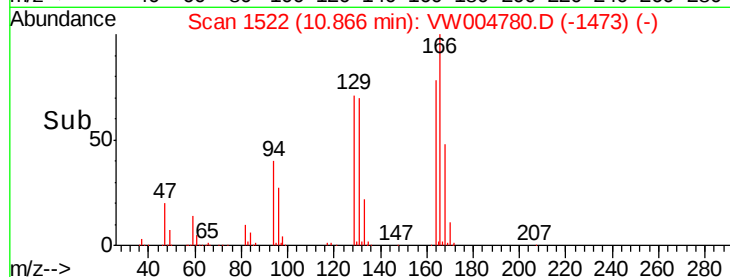
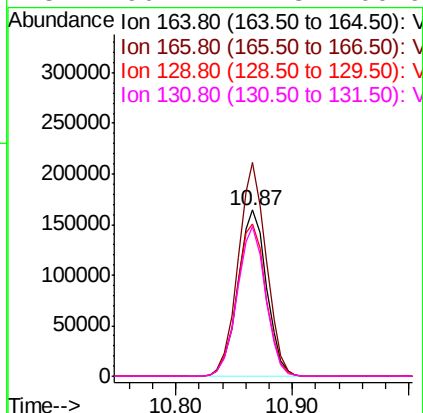
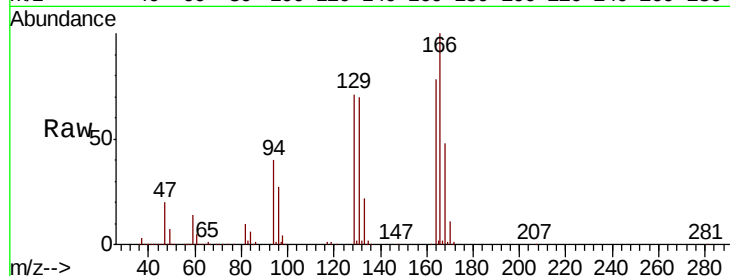




#64
Tetrachloroethene
Concen: 58.08 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

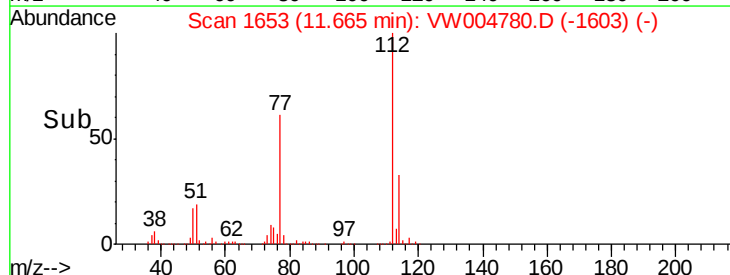
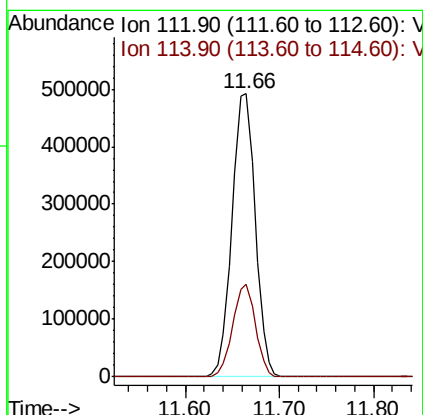
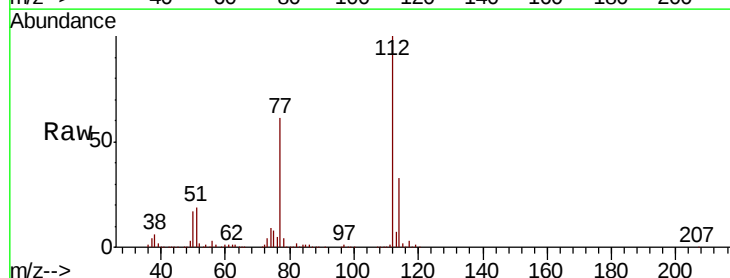
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

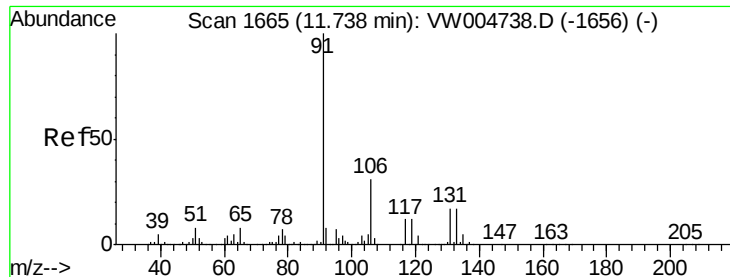
Tot Ion:164 Resp: 282448
Ion Ratio Lower Upper
164 100
166 128.7 102.5 153.7
129 92.0 75.1 112.7
131 90.2 71.3 106.9



#65
Chlorobenzene
Concen: 55.34 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion:112 Resp: 847443
Ion Ratio Lower Upper
112 100
114 32.8 25.4 38.2





#66

1,1,1,2-Tetrachloroethane

Concen: 59.55 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

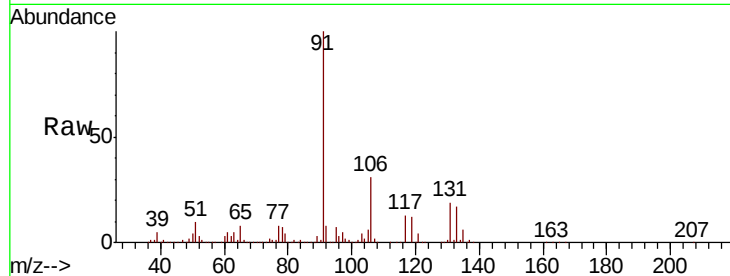
Tot Ion:131 Resp: 307952

Ion Ratio Lower Upper

131 100

133 93.9 48.2 144.6

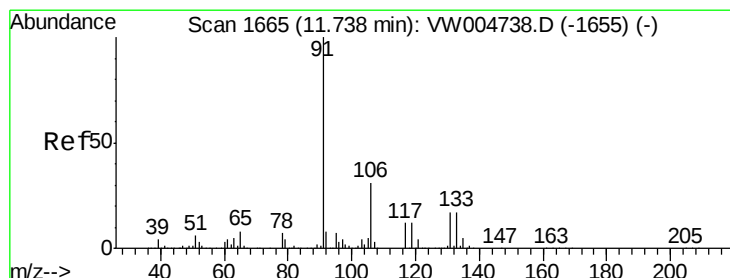
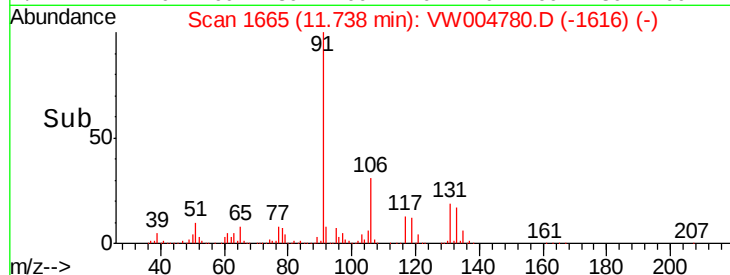
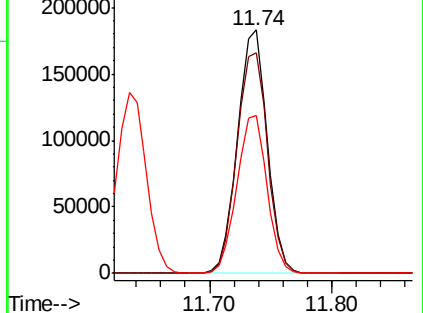
119 65.8 34.0 102.0



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: 58.51 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW004780.D

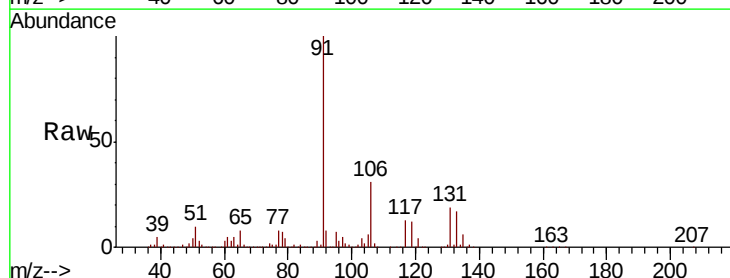
Acq: 18 Aug 2018 13:48

Tgt Ion: 91 Resp: 1519009

Ion Ratio Lower Upper

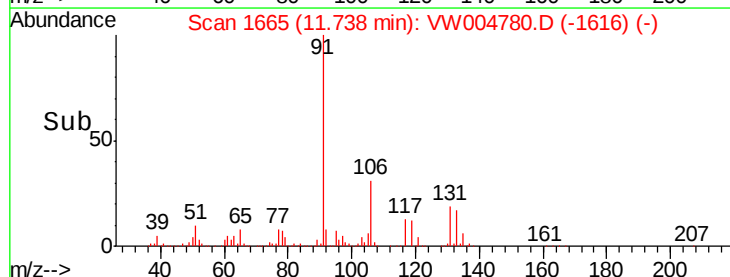
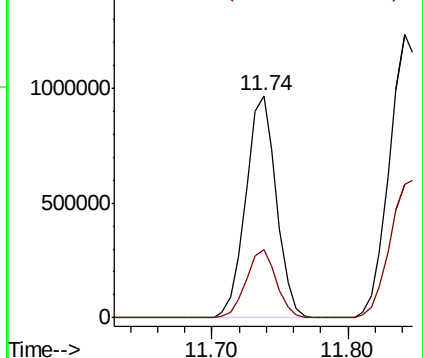
91 100

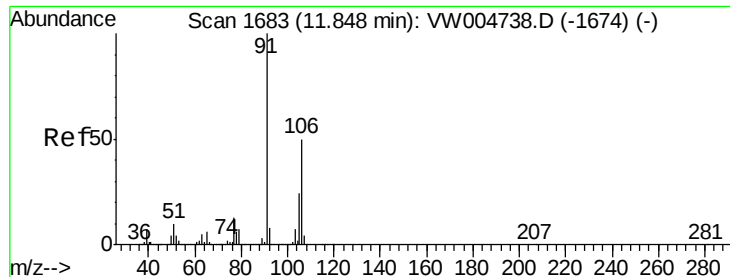
106 30.7 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V

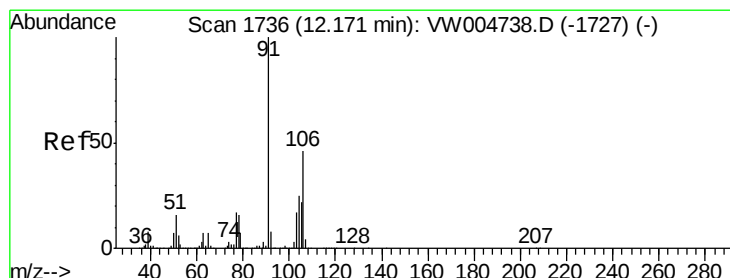
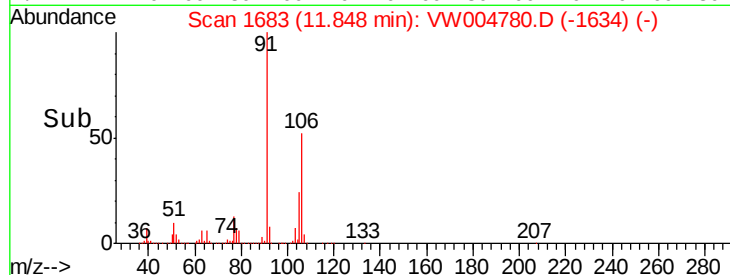
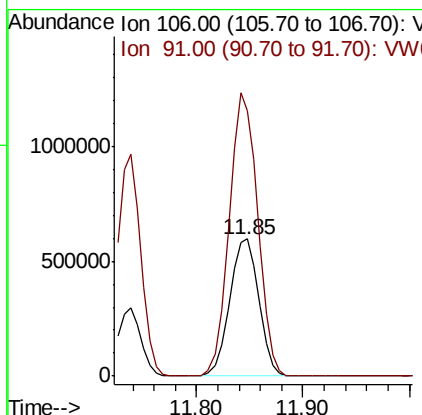
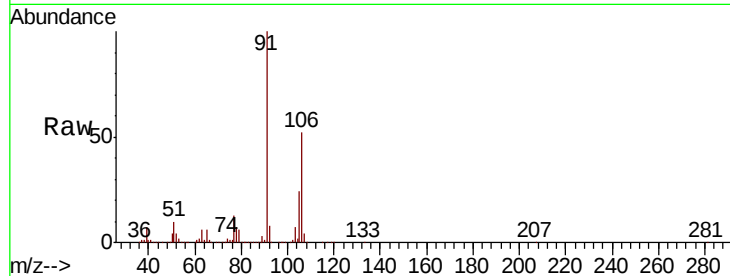




#68
m/p-Xylenes
Concen: 112.84 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

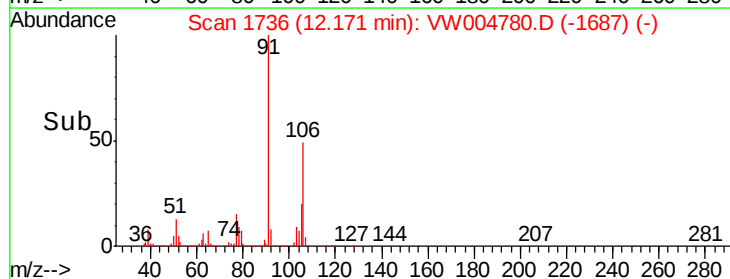
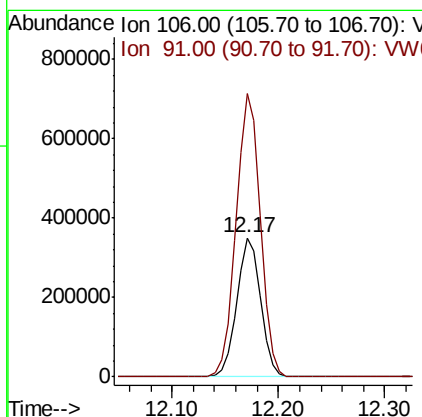
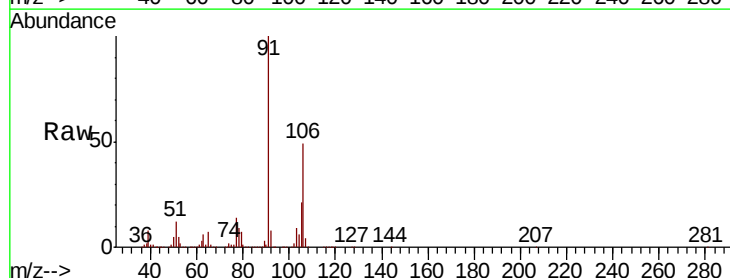
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

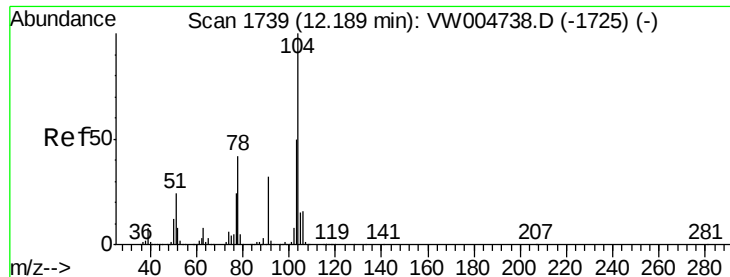
Tot Ion:106 Resp: 1139826
Ion Ratio Lower Upper
106 100
91 202.5 159.9 239.9



#69
o-Xylene
Concen: 58.98 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion:106 Resp: 551548
Ion Ratio Lower Upper
106 100
91 207.0 107.3 321.8





#70

Stvrene

Concen: 11.14 ug/l

RT: 12.18 min Scan# 1738

Delta R.T. -0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

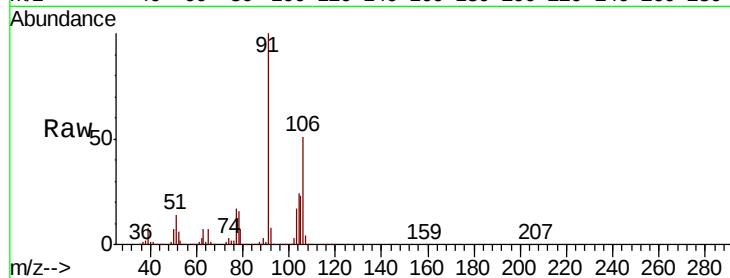
Tot Ion:104 Resp: 175027

Ion Ratio Lower Upper

104 100

78 78.1 38.4 57.6#

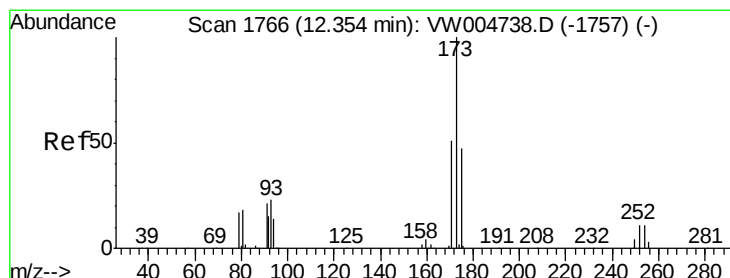
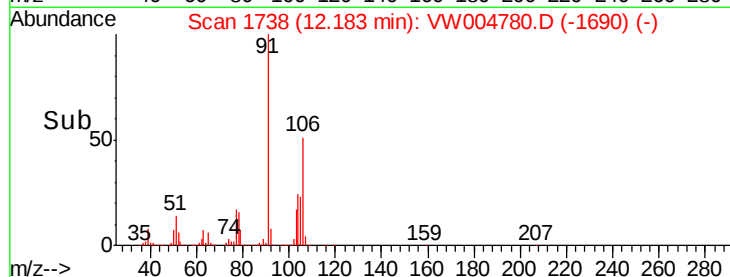
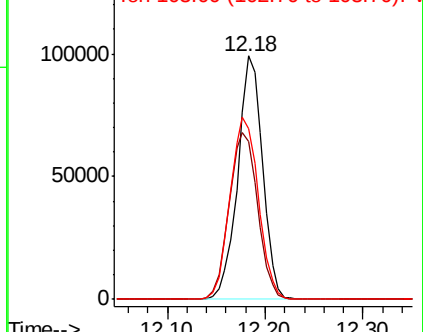
103 84.8 44.1 66.1#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 61.08 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

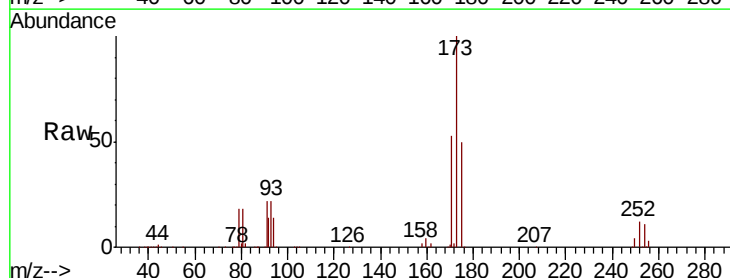
Tgt Ion:173 Resp: 166720

Ion Ratio Lower Upper

173 100

175 48.7 23.8 71.4

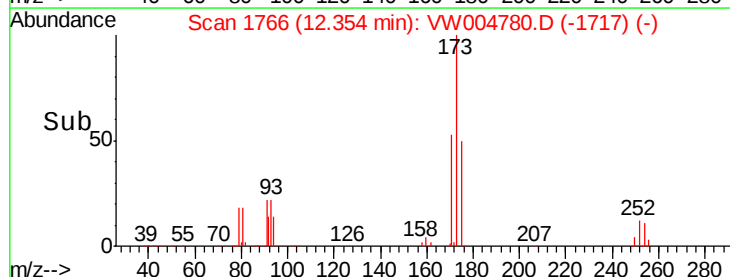
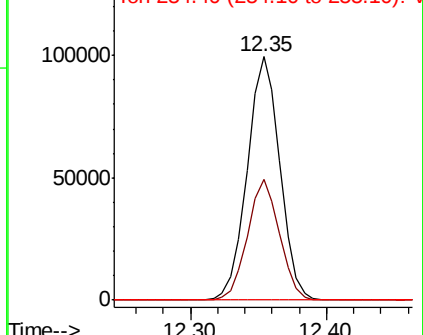
254 0.2 0.1 0.1#

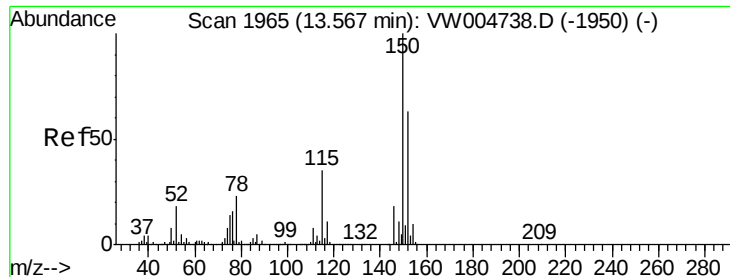


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

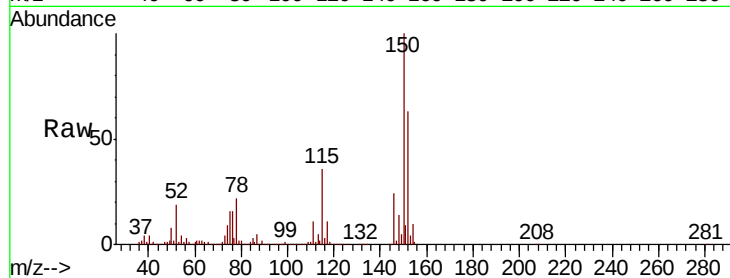
Tot Ion:152 Resp: 327968

Ion Ratio Lower Upper

152 100

115 56.9 28.5 85.5

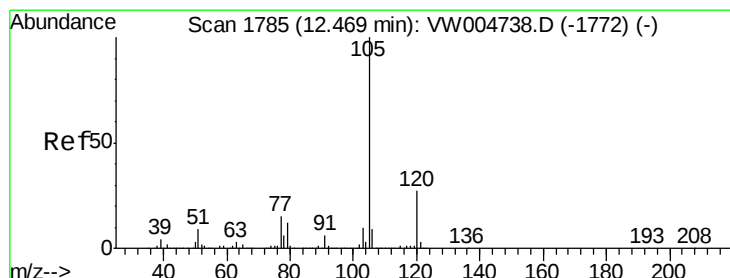
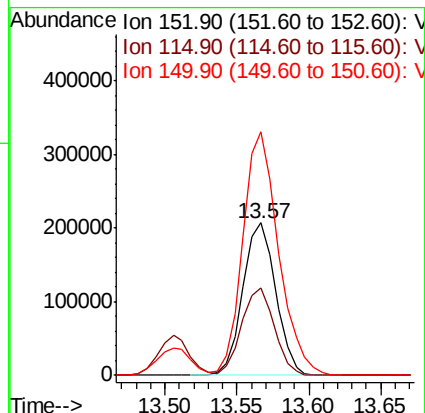
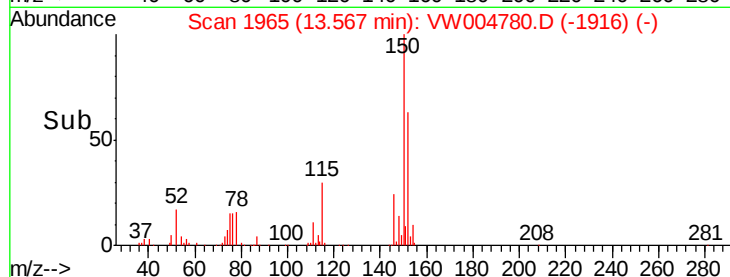
150 173.0 0.0 344.8



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: 64.79 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW004780.D

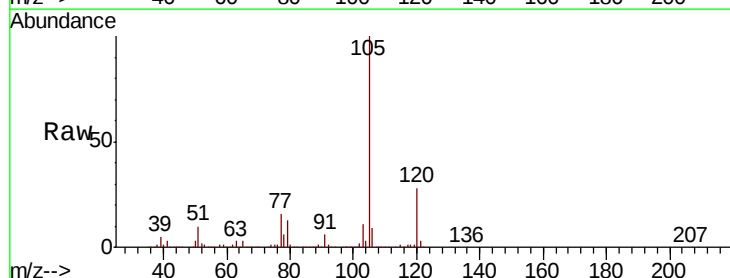
Acq: 18 Aug 2018 13:48

Tgt Ion:105 Resp: 1445530

Ion Ratio Lower Upper

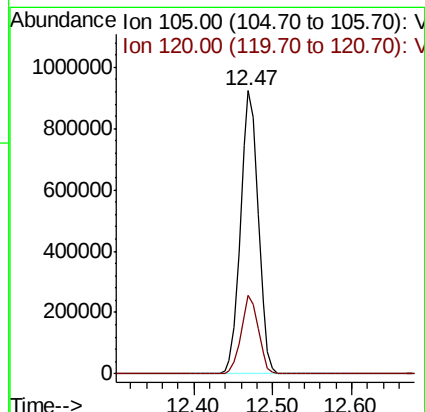
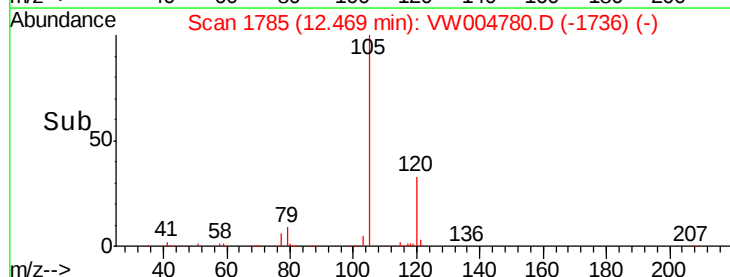
105 100

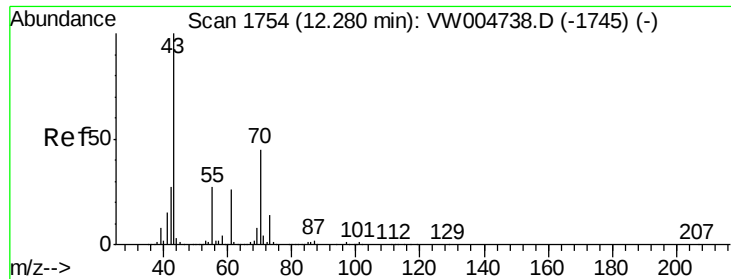
120 27.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 7.71 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

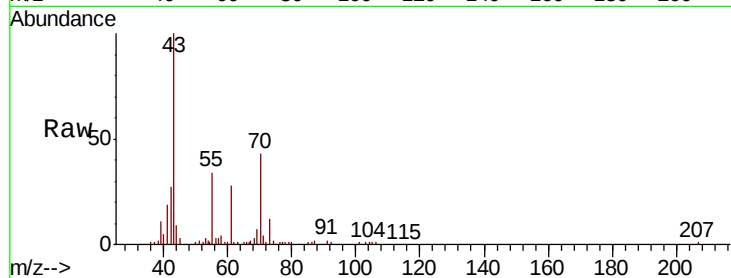
Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

Tot Ion:	43	Resp:	20957
Ion	Ratio	Lower	Upper
43	100		
70	44.2	36.3	54.5
55	34.0	22.6	33.8#
61	27.2	20.2	30.4



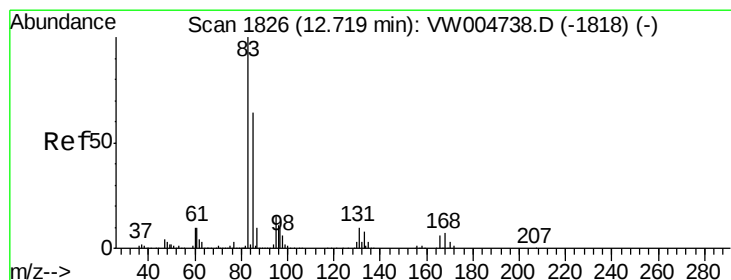
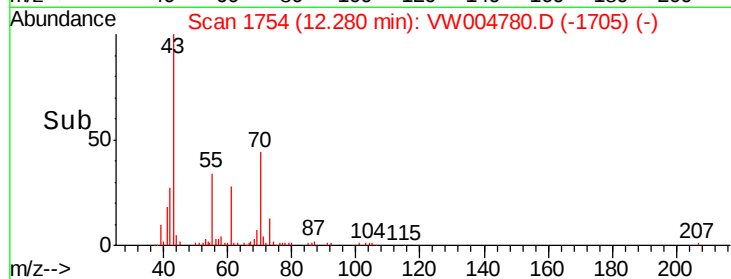
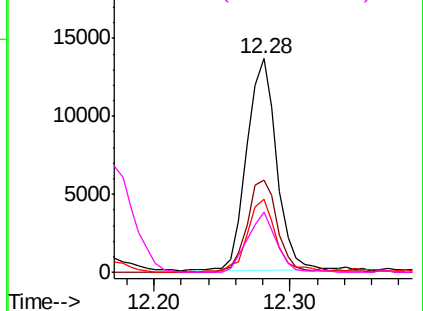
Abundance

Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW



#75

1,1,2,2-Tetrachloroethane

Concen: 72.61 ug/l

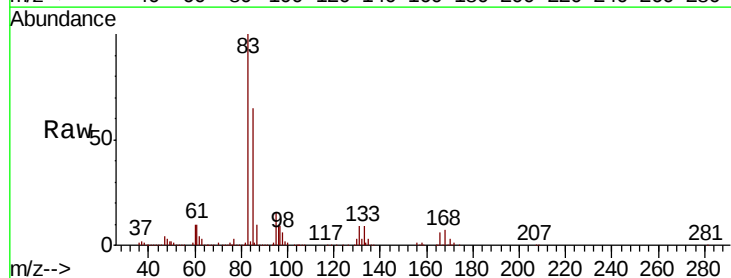
RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Tgt Ion:	83	Resp:	300100
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.3	15.8
85	63.1	31.9	95.9

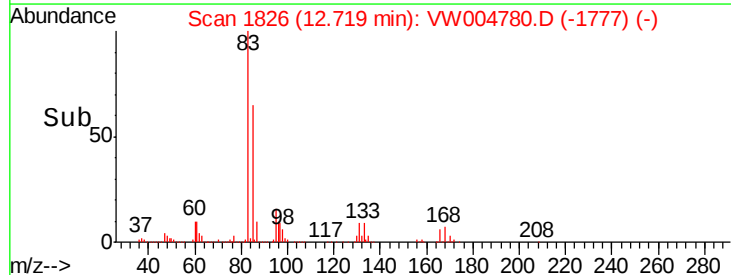
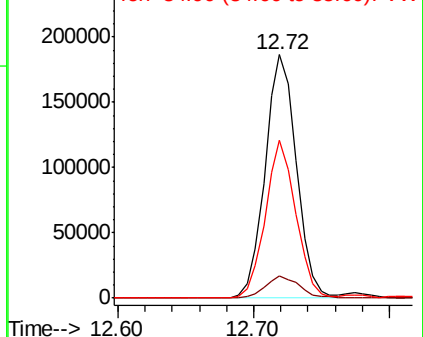


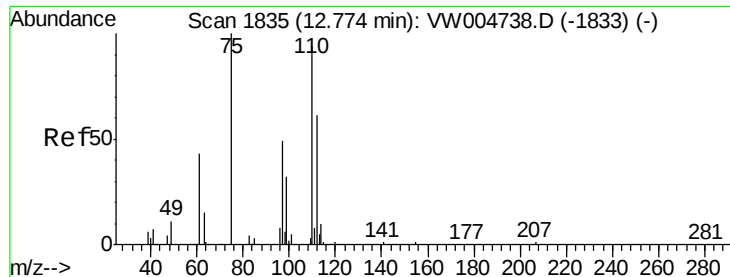
Abundance

Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW





#76

1,2,3-Trichloropropane

Concen: 120.86 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

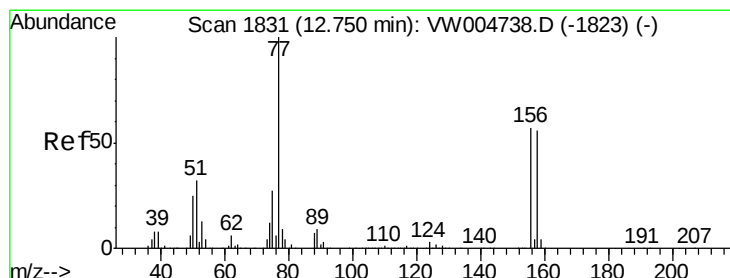
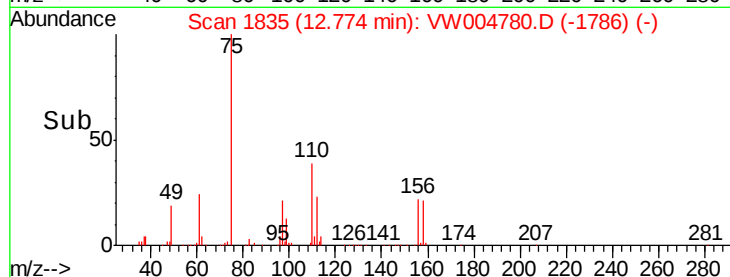
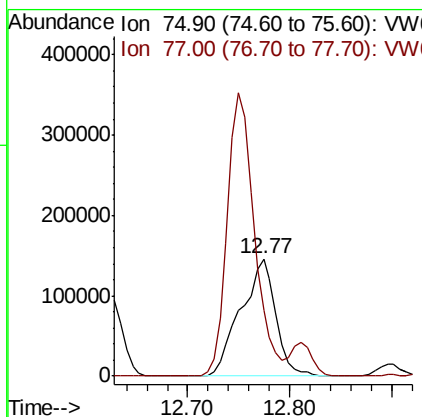
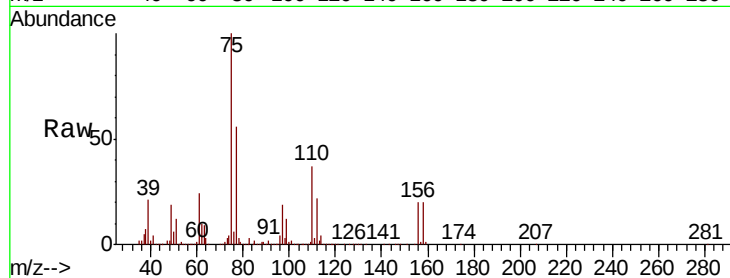
TOD1-SB-01-0-2MSD

Tot Ion: 75 Resp: 349408

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 64.65 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

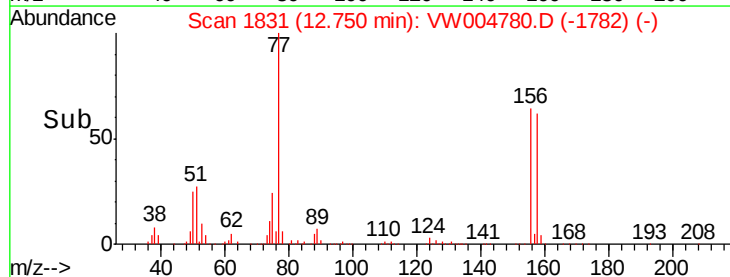
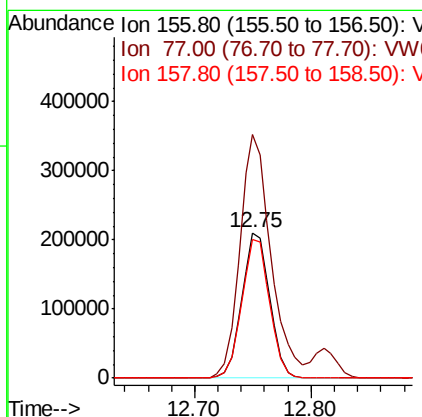
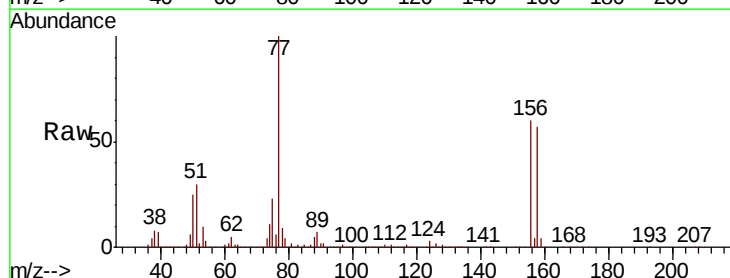
Tgt Ion: 156 Resp: 349164

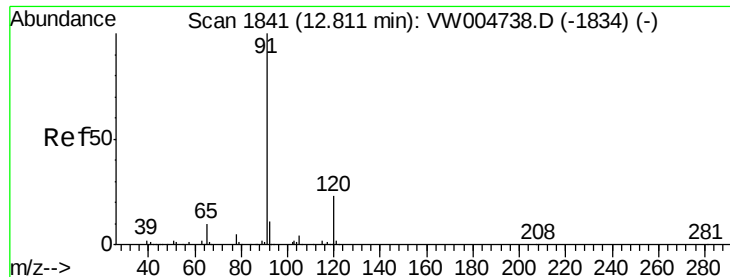
Ion Ratio Lower Upper

156 100

77 186.7 94.2 282.4

158 95.9 48.6 145.9





#78

n-propylbenzene

Concen: 63.15 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

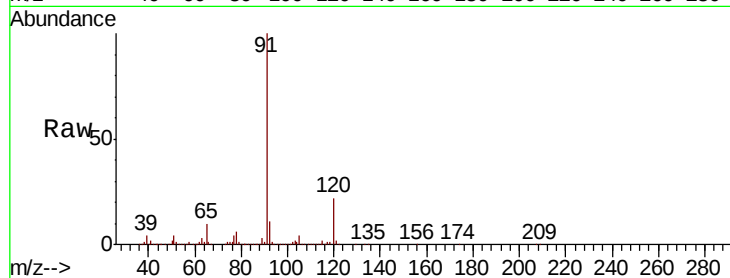
TOD1-SB-01-0-2MSD

Tot Ion: 91 Resp: 1719459

Ion Ratio Lower Upper

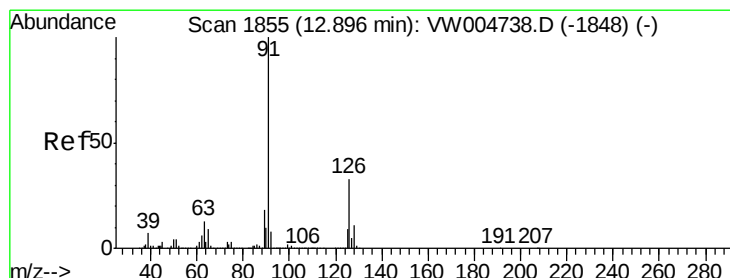
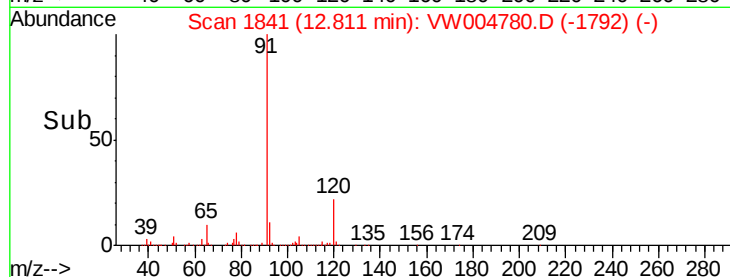
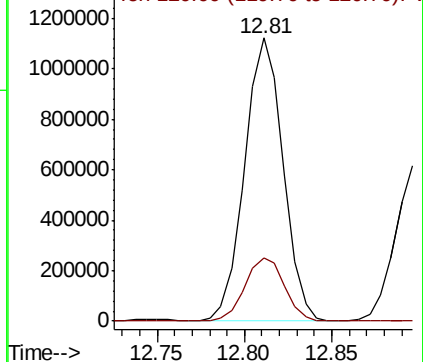
91 100

120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 63.08 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004780.D

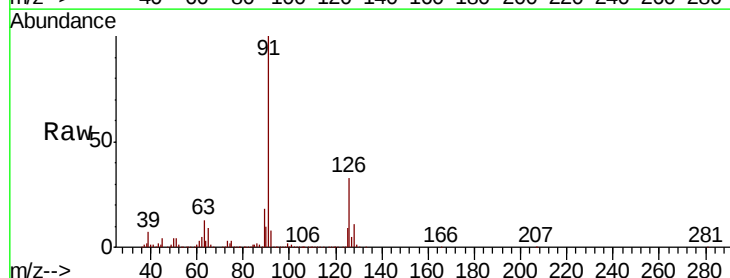
Acq: 18 Aug 2018 13:48

Tgt Ion: 91 Resp: 990011

Ion Ratio Lower Upper

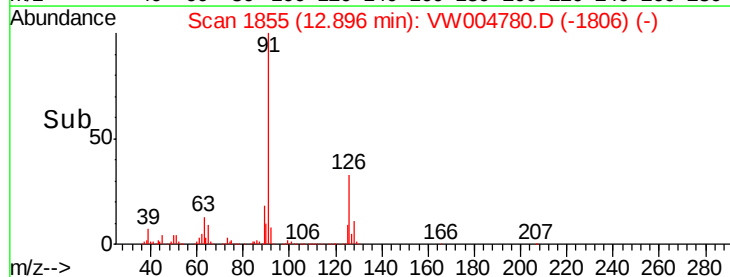
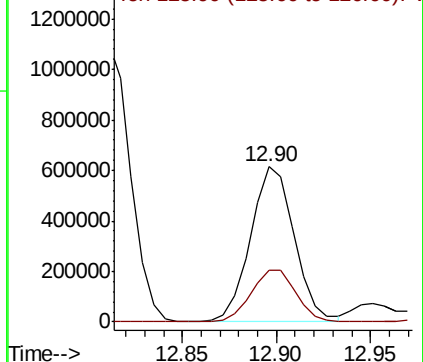
91 100

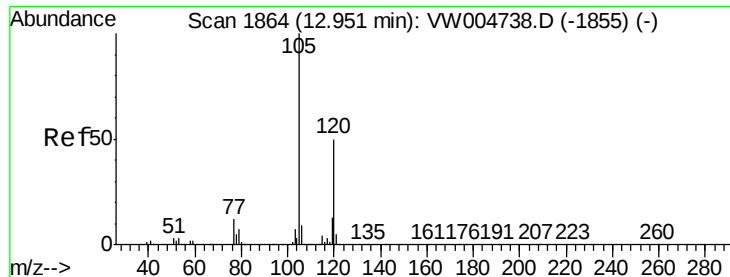
126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 61.93 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

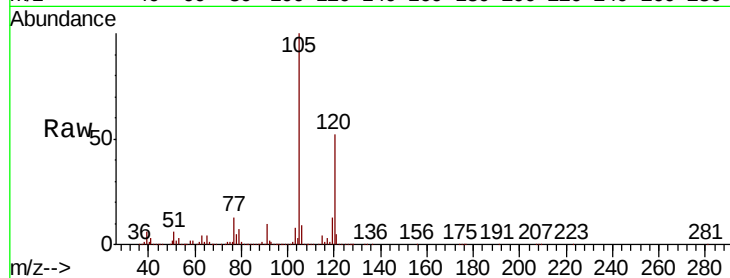
TOD1-SB-01-0-2MSD

Tot Ion:105 Resp: 1173859

Ion Ratio Lower Upper

105 100

120 51.0 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

800000

600000

400000

200000

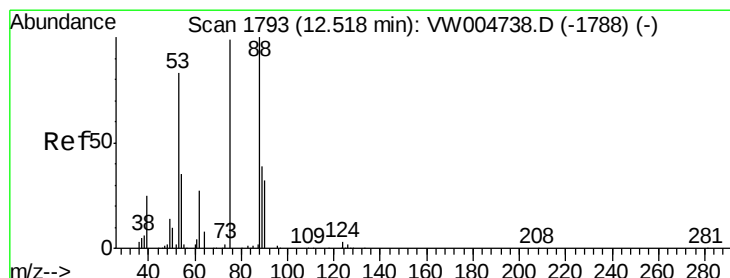
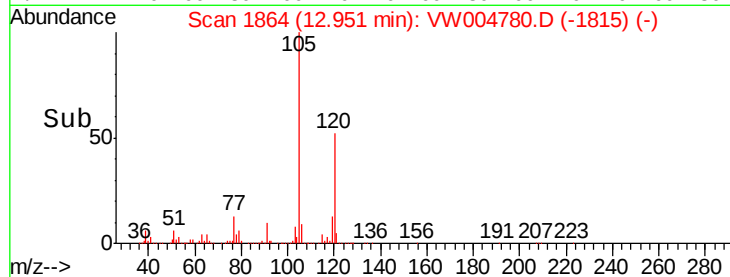
0

12.95

12.90

13.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 48.76 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

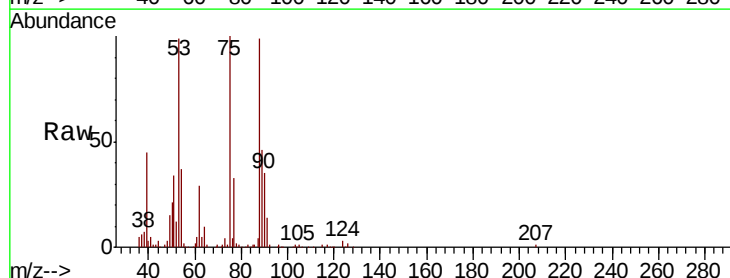
Tgt Ion: 75 Resp: 60648

Ion Ratio Lower Upper

75 100

53 97.3 72.2 108.4

89 44.2 35.2 52.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

100000

50000

0

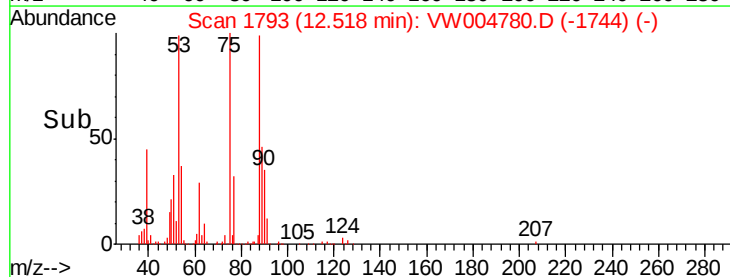
12.52

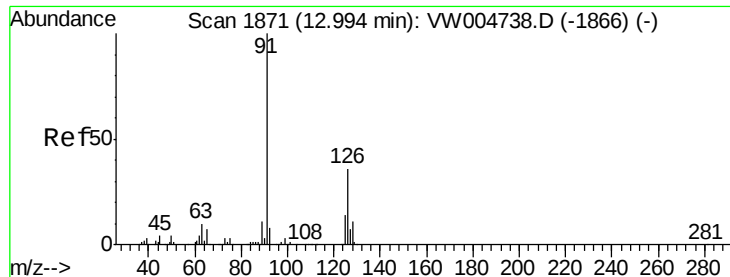
12.45

12.55

12.60

Time-->

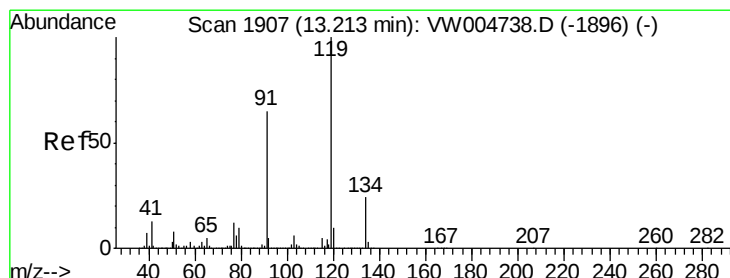
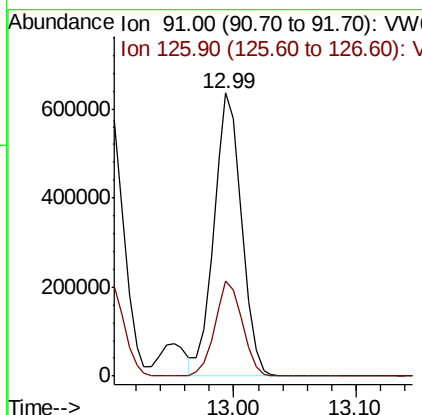
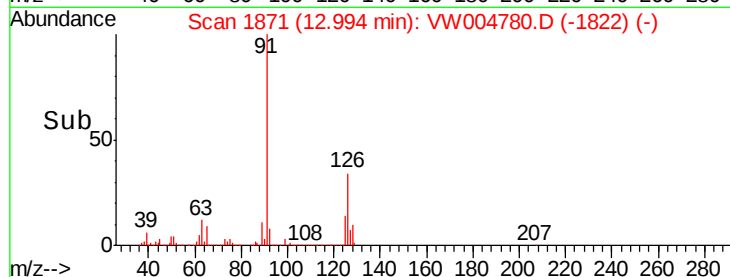
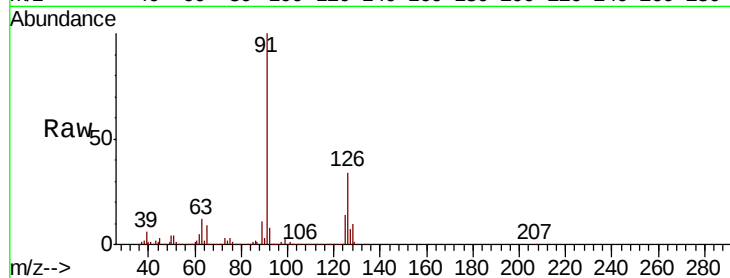




#82
4-Chlorotoluene
Concen: 59.84 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

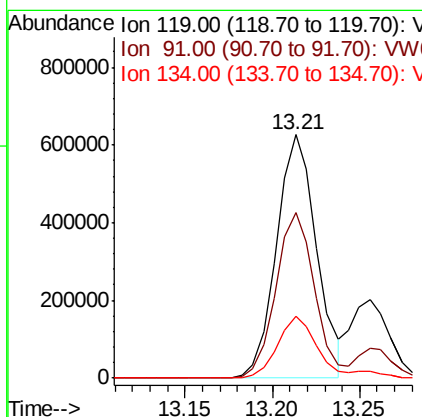
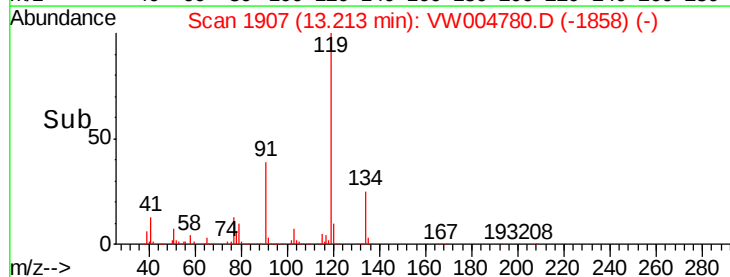
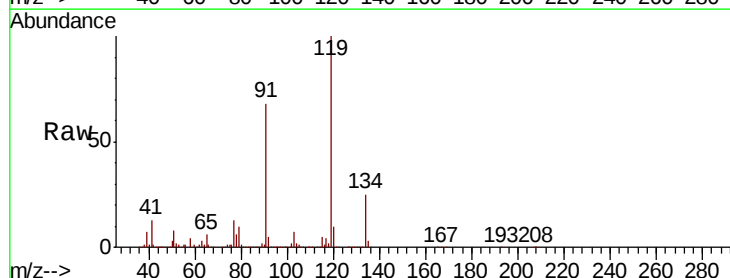
Instrument :
MSVOA_W
ClientSampleId :
TOD1-SB-01-0-2MSD

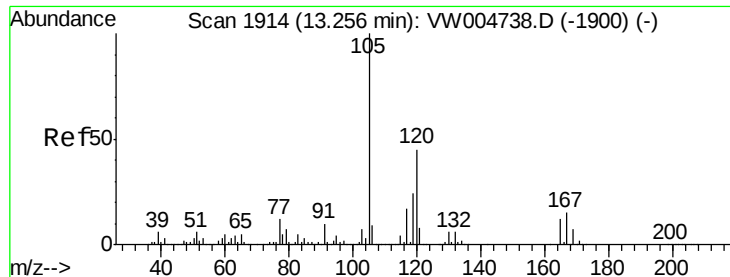
Tot Ion: 91 Resp: 997743
Ion Ratio Lower Upper
91 100
126 33.2 16.9 50.7



#83
tert-Butylbenzene
Concen: 61.55 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW004780.D
Acq: 18 Aug 2018 13:48

Tgt Ion: 119 Resp: 997947
Ion Ratio Lower Upper
119 100
91 66.6 32.6 97.8
134 26.7 13.1 39.3

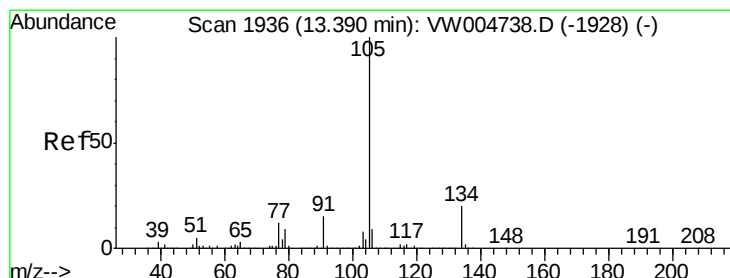
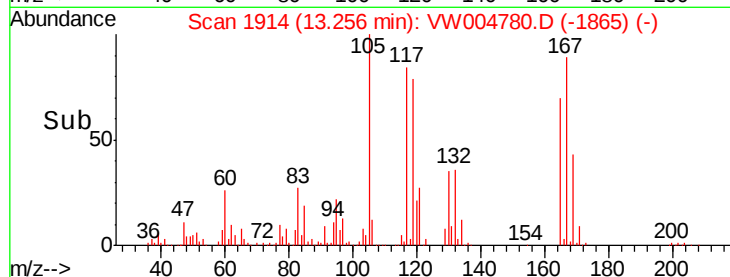
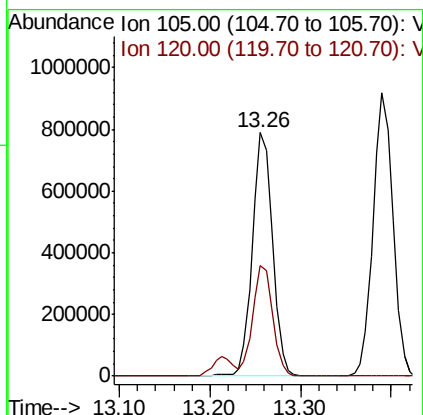
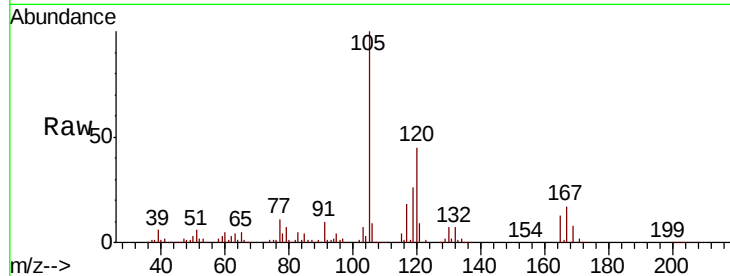




#84
 1,2,4-Trimethylbenzene
 Concen: 62.43 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

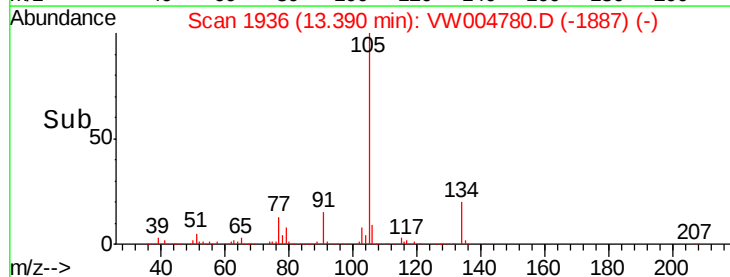
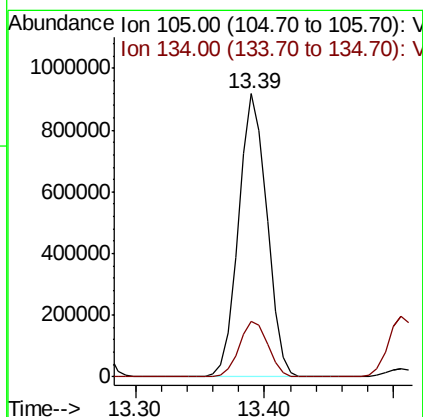
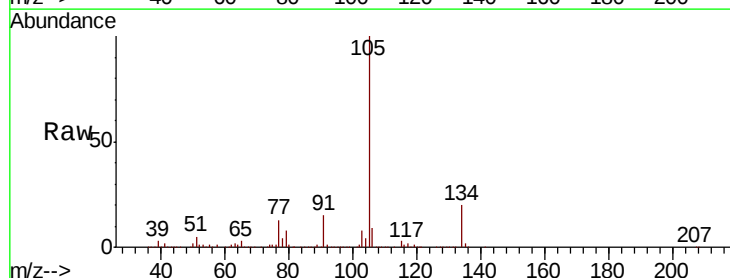
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

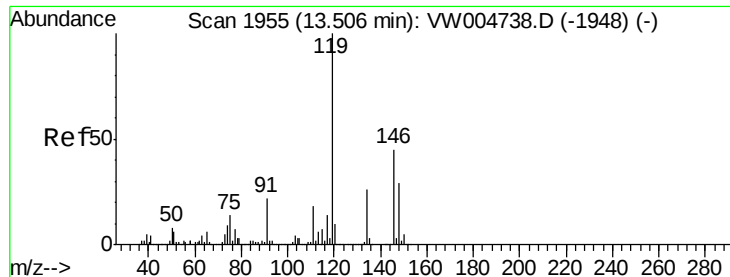
Tot Ion:105 Resp: 1217490
 Ion Ratio Lower Upper
 105 100
 120 44.9 22.8 68.3



#85
 sec-Butylbenzene
 Concen: 57.60 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion:105 Resp: 1394206
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 29.8

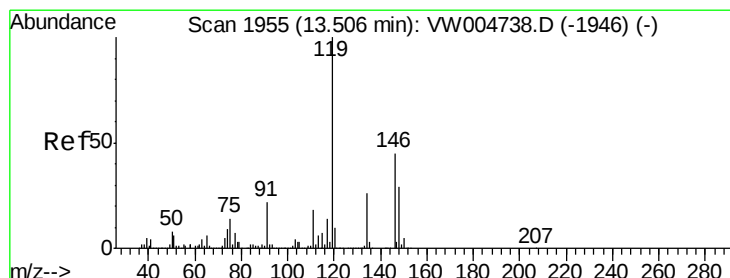
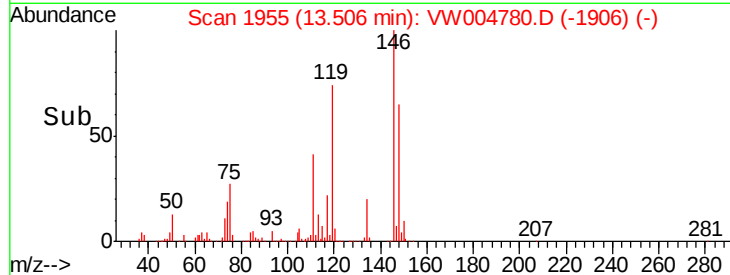
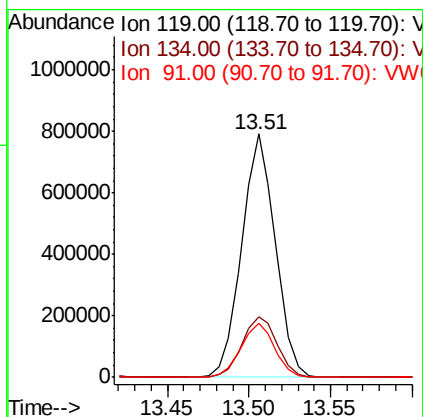
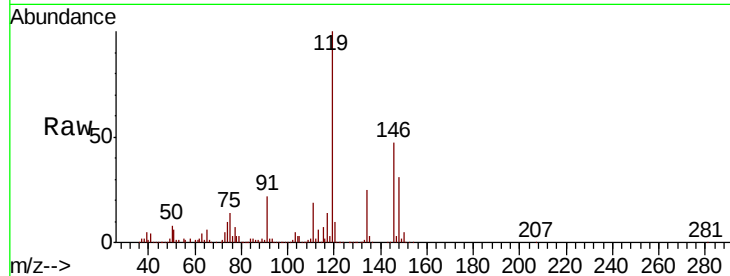




#86
 p-Isopropyltoluene
 Concen: 53.75 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

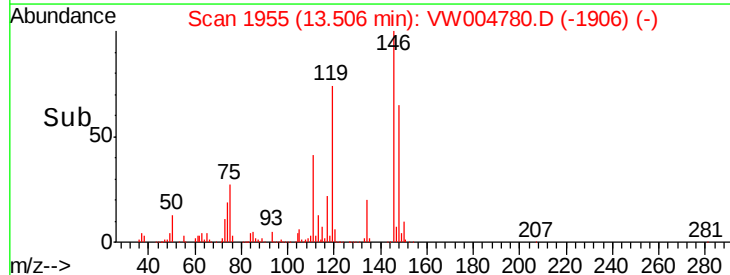
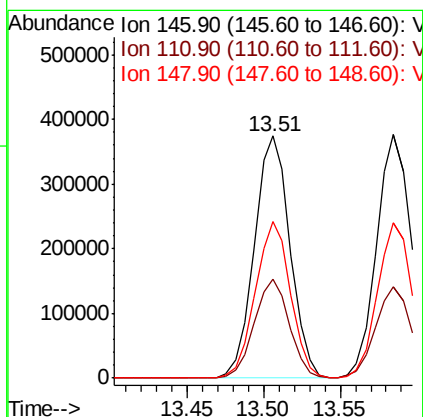
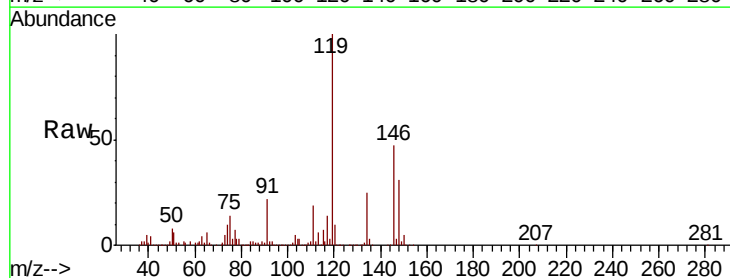
Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

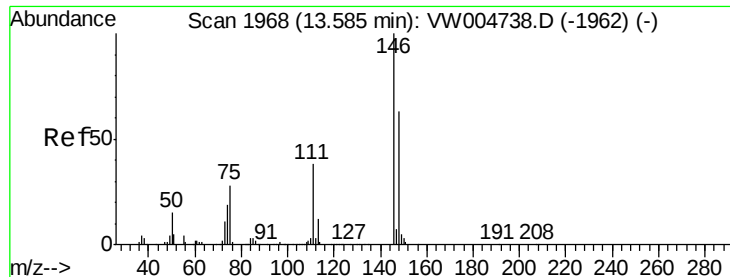
Tot Ion:119 Resp: 1132090
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.3
 91 22.5 11.2 33.5



#87
 1,3-Dichlorobenzene
 Concen: 55.20 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Tgt Ion:146 Resp: 606369
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.8 59.4
 148 63.7 31.9 95.9





#88

1,4-Dichlorobenzene

Concen: 54.34 ug/l

RT: 13.59 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

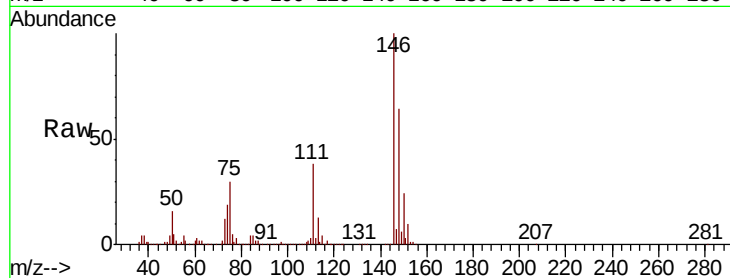
Tot Ion:146 Resp: 596723

Ion Ratio Lower Upper

146 100

111 38.0 19.3 57.8

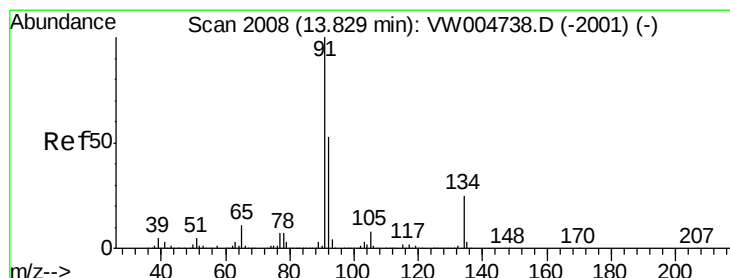
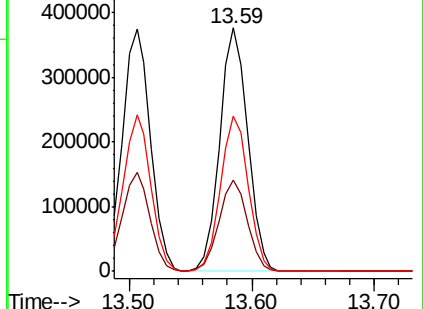
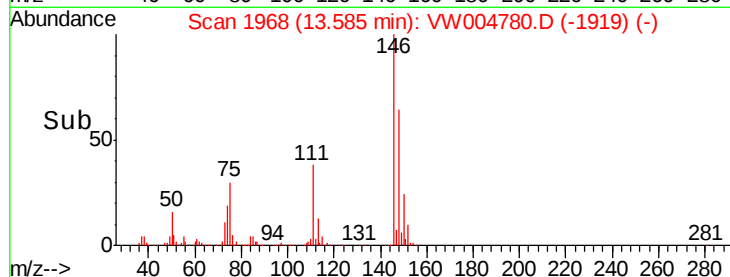
148 63.5 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 49.19 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

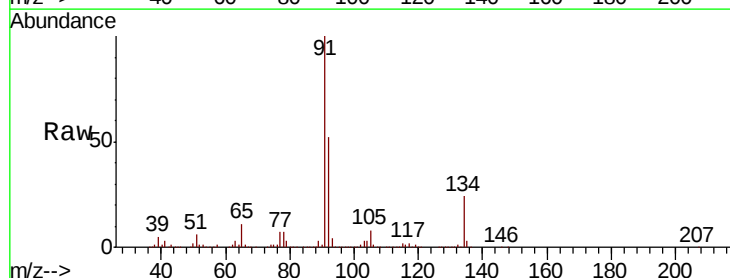
Tgt Ion: 91 Resp: 1001664

Ion Ratio Lower Upper

91 100

92 51.5 26.4 79.2

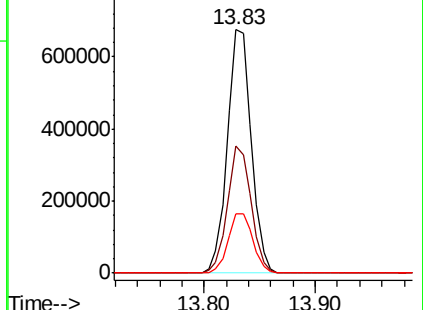
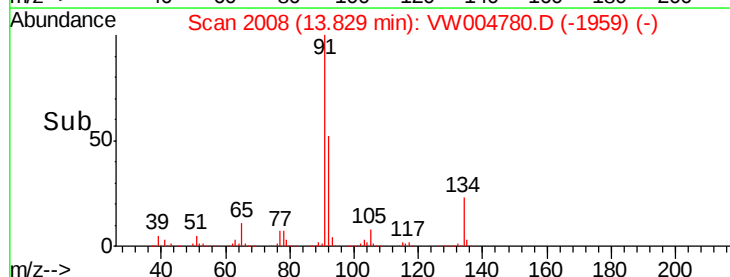
134 25.4 12.8 38.3

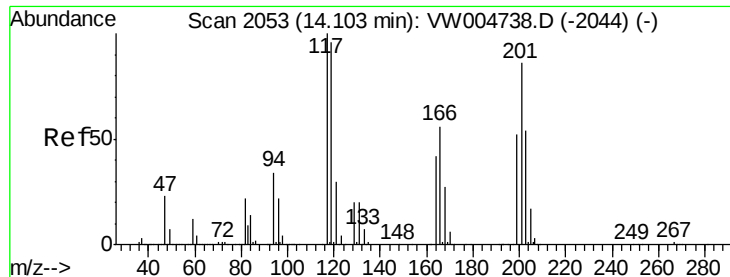


Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 53.02 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

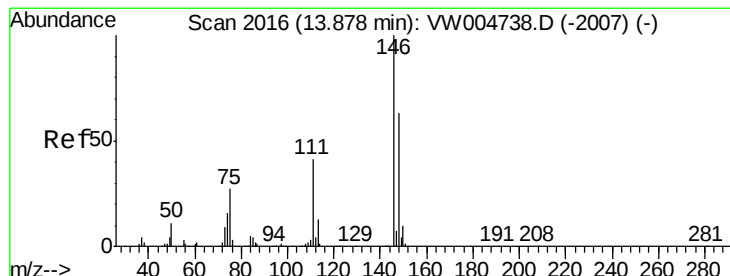
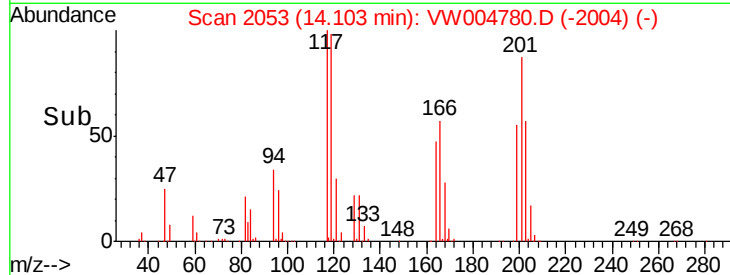
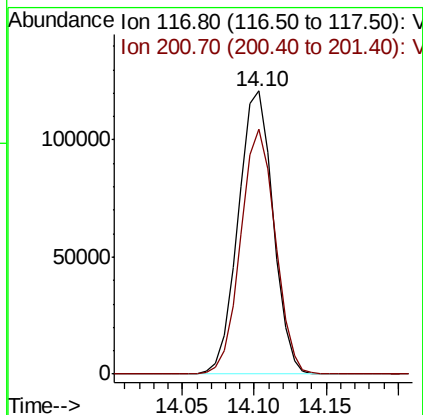
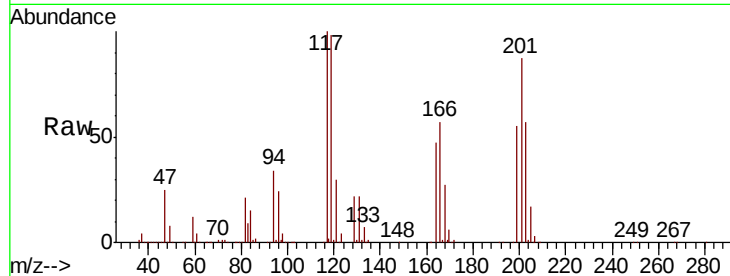
TOD1-SB-01-0-2MSD

Tot Ion:117 Resp: 203569

Ion Ratio Lower Upper

117 100

201 85.4 42.4 127.2



#91

1,2-Dichlorobenzene

Concen: 56.47 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

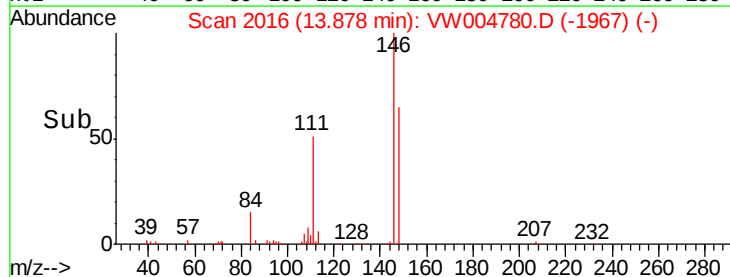
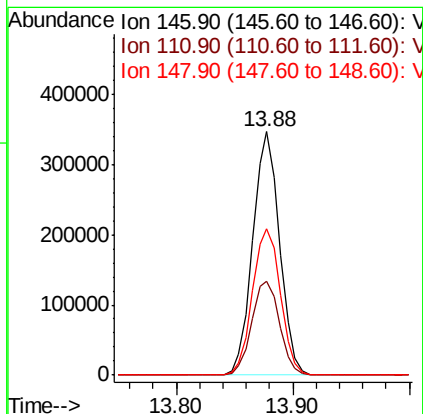
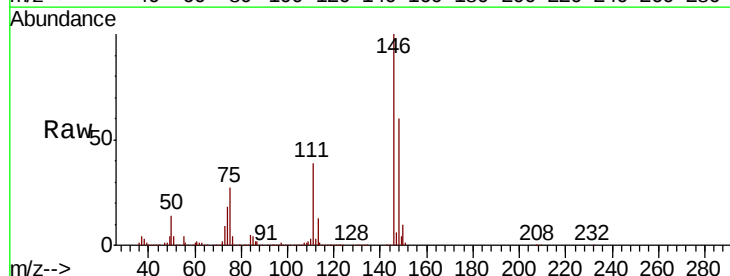
Tgt Ion:146 Resp: 557168

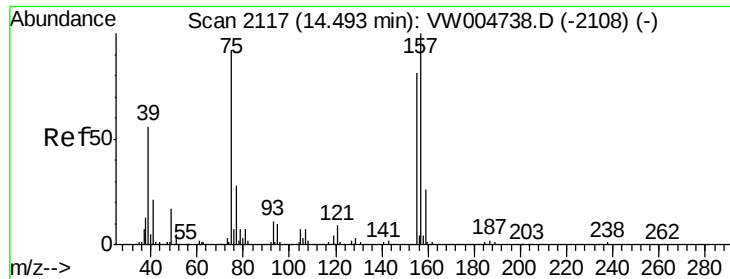
Ion Ratio Lower Upper

146 100

111 40.3 20.4 61.3

148 63.0 31.6 95.0





#92

1,2-Dibromo-3-Chloropropane

Concen: 68.54 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

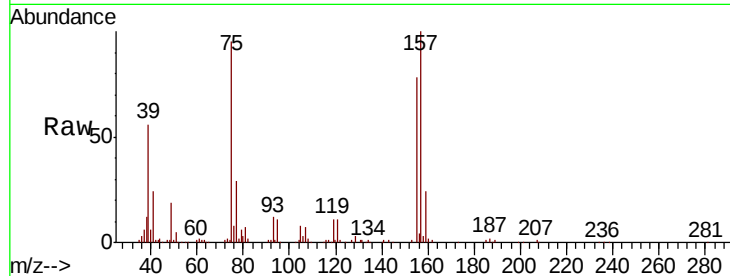
MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

Tot Ion: 75 Resp: 44276

Ion	Ratio	Lower	Upper
75	100		
155	84.1	43.3	129.9
157	107.2	54.5	163.6

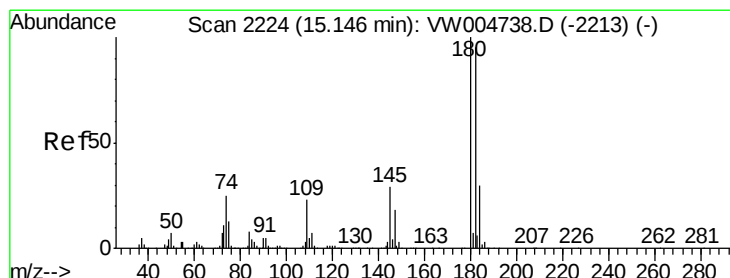
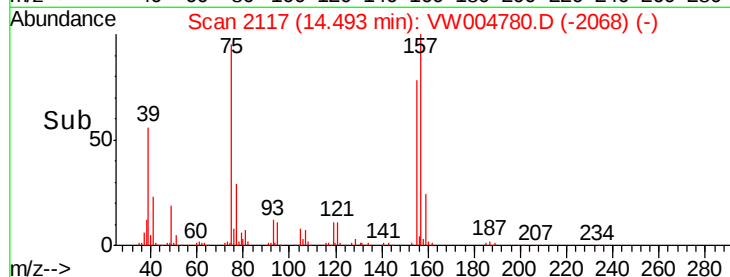
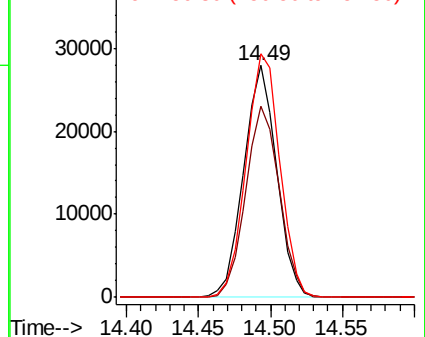


Abundance

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: 37.79 ug/l

RT: 15.14 min Scan# 2223

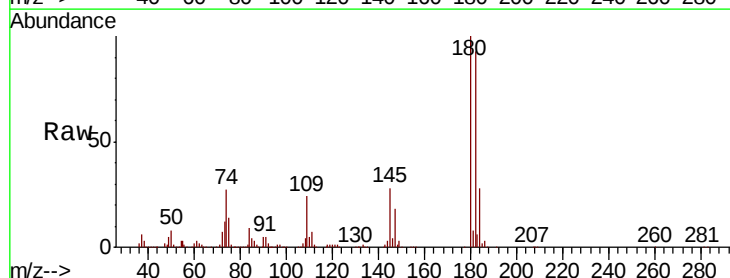
Delta R.T. -0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Tgt Ion:180 Resp: 263740

Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.3	141.8
145	28.6	14.6	43.8

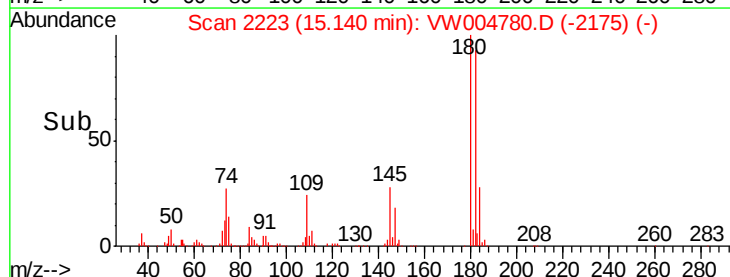
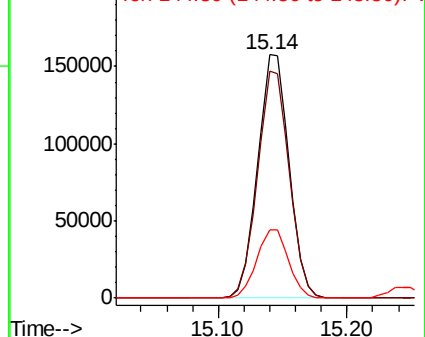


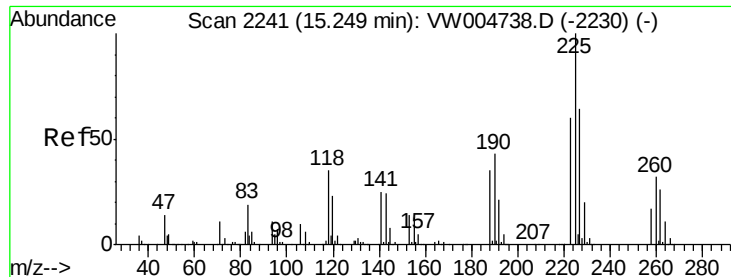
Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 34.29 ug/l

RT: 15.24 min Scan# 2240

Delta R.T. -0.01 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

Instrument :

MSVOA_W

ClientSampleId :

TOD1-SB-01-0-2MSD

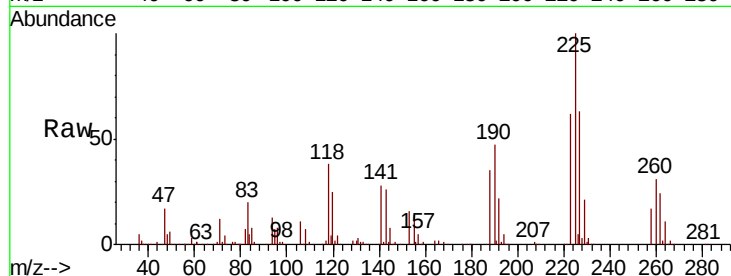
Tot Ion:225 Resp: 146892

Ion Ratio Lower Upper

225 100

223 61.3 30.9 92.5

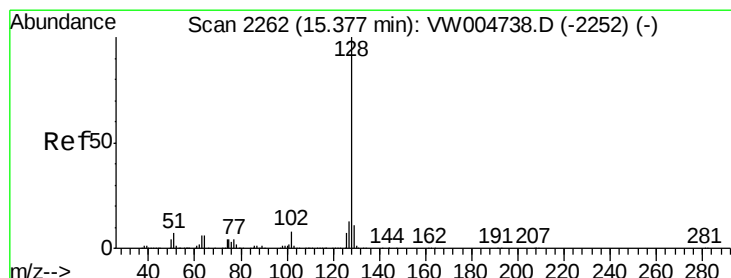
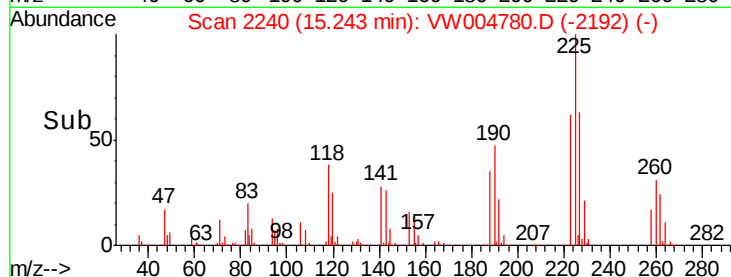
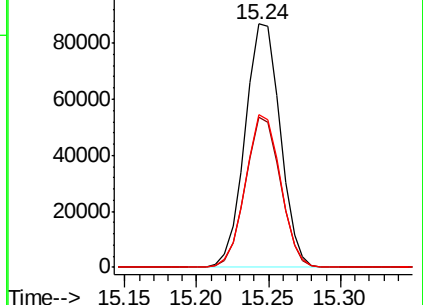
227 62.4 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 43.10 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

Lab File: VW004780.D

Acq: 18 Aug 2018 13:48

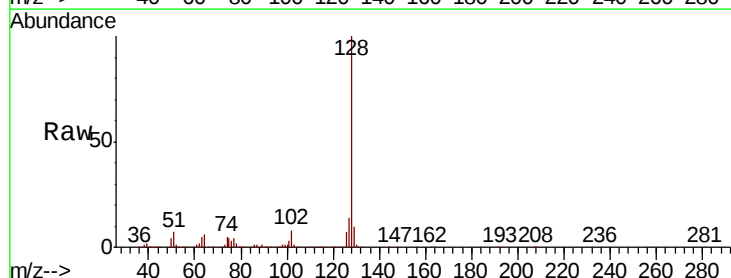
Tgt Ion:128 Resp: 575766

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

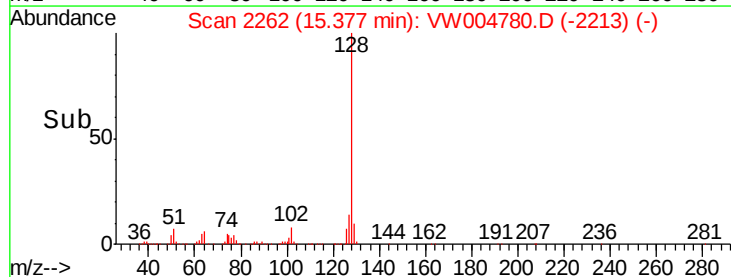
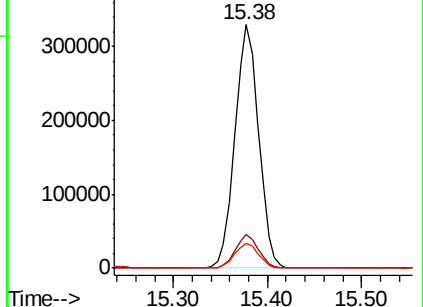
129 10.5 8.6 13.0

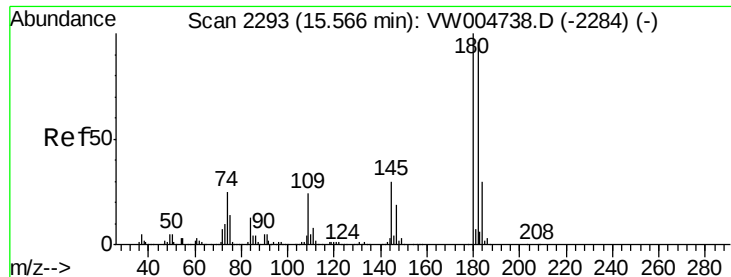


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 36.48 ug/l
 RT: 15.57 min Scan# 2293
 Delta R.T. -0.00 min
 Lab File: VW004780.D
 Acq: 18 Aug 2018 13:48

Instrument :
 MSVOA_W
 ClientSampleId :
 TOD1-SB-01-0-2MSD

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	142.0
145	30.4	15.4	46.1

