

Data File : VW004744.D
Acq On : 17 Aug 2018 20:38
Operator : SY/AP
Sample : VW0819SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Quant Time: Aug 18 02:39:03 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	644535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	993457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	941449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	508605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	333386	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	7.88	113	328785	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	
50) Toluene-d8	10.33	98	1294010	52.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.42%	
62) 4-Bromofluorobenzene	12.62	95	473954	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	91918	21.530	ug/l	98
3) Chloromethane	2.22	50	116320	20.838	ug/l	99
4) Vinyl Chloride	2.37	62	174614	21.252	ug/l	97
5) Bromomethane	2.78	94	110285	21.733	ug/l	96
6) Chloroethane	2.92	64	104076	20.993	ug/l	99
7) Trichlorofluoromethane	3.25	101	71172	18.387	ug/l	100
8) Diethyl Ether	3.68	74	79588	22.741	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	140012	21.006	ug/l	98
10) Methyl Iodide	4.27	142	215516	21.290	ug/l	99
11) Tert butyl alcohol	5.21	59	38104	109.452	ug/l	96
12) 1,1-Dichloroethene	4.03	96	137792	20.745	ug/l	98
13) Acrolein	3.90	56	51674	110.610	ug/l	98
14) Allyl chloride	4.66	41	209101	20.745	ug/l	99
15) Acrylonitrile	5.38	53	167320	114.001	ug/l	99
16) Acetone	4.14	43	161745	101.681	ug/l	100
17) Carbon Disulfide	4.38	76	455497	20.868	ug/l	98
18) Methyl Acetate	4.67	43	76821	22.536	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	194131	22.515	ug/l	96
20) Methylene Chloride	4.92	84	184897	23.139	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	149970	21.221	ug/l	99
22) Diisopropyl ether	6.31	45	441238	22.775	ug/l	97
23) Vinyl Acetate	6.26	43	1236420	112.827	ug/l	100
24) 1,1-Dichloroethane	6.21	63	271663	21.578	ug/l	100
25) 2-Butanone	7.18	43	252893	111.580	ug/l	97
26) 2,2-Dichloropropane	7.17	77	147521	20.287	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	164003	21.556	ug/l	97
28) Bromochloromethane	7.51	49	115852	21.852	ug/l	96
29) Tetrahydrofuran	7.54	42	131428	113.719	ug/l	98
30) Chloroform	7.68	83	272347	21.995	ug/l	99
31) Cyclohexane	7.95	56	249960	20.526	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	204246	20.809	ug/l	99
36) 1,1-Dichloropropene	8.09	75	209591	20.479	ug/l	100
37) Ethyl Acetate	7.26	43	92662	22.713	ug/l	98
38) Carbon Tetrachloride	8.07	117	190801	20.253	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	255155	19.936	ug/l	99
40) Benzene	8.32	78	632098	21.252	ug/l	99
41) Methacrylonitrile	7.49	41	56004	24.188	ug/l	97
42) 1,2-Dichloroethane	8.40	62	167130	21.913	ug/l	100
43) Isopropyl Acetate	8.43	43	161784	22.077	ug/l	99
44) Trichloroethene	9.09	130	155520	20.598	ug/l	99
45) 1,2-Dichloropropane	9.37	63	156241	21.475	ug/l	100
46) Dibromomethane	9.46	93	78001	21.641	ug/l	100
47) Bromodichloromethane	9.65	83	183778	21.350	ug/l	99
48) Methyl methacrylate	9.44	41	74484	21.661	ug/l	96
49) 1,4-Dioxane	9.47	88	23286	442.203	ug/l #	82
51) 4-Methyl-2-Pentanone	10.21	43	567065	114.497	ug/l	99
52) Toluene	10.39	92	383059	21.474	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	184599	21.285	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	218791	21.162	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	113049	22.065	ug/l	99
56) Ethyl methacrylate	10.65	69	132006	21.527	ug/l	99
57) 1,3-Dichloropropane	10.93	76	196498	22.218	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	319001	112.742	ug/l	99
59) 2-Hexanone	10.98	43	379557	113.106	ug/l	99
60) Dibromochloromethane	11.13	129	124370	21.636	ug/l	98
61) 1,2-Dibromoethane	11.24	107	106645	21.776	ug/l	99
64) Tetrachloroethene	10.87	164	136542	21.222	ug/l	99
65) Chlorobenzene	11.66	112	423941	20.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	142954	20.894	ug/l	99
67) Ethyl Benzene	11.74	91	709552	20.656	ug/l	98
68) m/p-Xylenes	11.84	106	567251	42.444	ug/l	99
69) o-Xylene	12.17	106	258275	20.875	ug/l	100
70) Styrene	12.18	104	443419	21.336	ug/l	99
71) Bromoform	12.35	173	77948	21.585	ug/l #	100
73) Isopropylbenzene	12.47	105	709811	20.514	ug/l	100
74) N-amyl acetate	12.28	43	158315	21.984	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	138455	21.601	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	174668	38.958	ug/l #	100
77) Bromobenzene	12.75	156	176847	21.116	ug/l	100
78) n-propylbenzene	12.81	91	879122	20.821	ug/l	100
79) 2-Chlorotoluene	12.90	91	506070	20.794	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	618989	21.057	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	39027	20.232	ug/l	93
82) 4-Chlorotoluene	12.99	91	542082	20.963	ug/l	100
83) tert-Butylbenzene	13.21	119	509256	20.254	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	640413	21.175	ug/l	100
85) sec-Butylbenzene	13.39	105	760532	20.260	ug/l	100
86) p-Isopropyltoluene	13.51	119	677653	20.747	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	356779	20.943	ug/l	100
88) 1,4-Dichlorobenzene	13.59	146	355805	20.894	ug/l	98
89) n-Butylbenzene	13.83	91	635440	20.122	ug/l	99
90) Hexachloroethane	14.10	117	118259	19.863	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	326314	21.326	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22396	22.357	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081918\
Quantitation Report (Not Reviewed)

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ClientSampleId :
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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)
93) 1,2,4-Trichlorobenzene	15.14	180	231268	21.370	ug/l	100
94) Hexachlorobutadiene	15.24	225	133567	20.107	ug/l	99
95) Naphthalene	15.38	128	404416	21.441	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	208689	21.745	ug/l	99

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

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Operator : SY/AP

Sample : VW0819SBS01

Misc : 5.00G/5ML/MSVOA W/SOIL

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ALS Vial      : 14      Sample Multiplier: 1
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Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

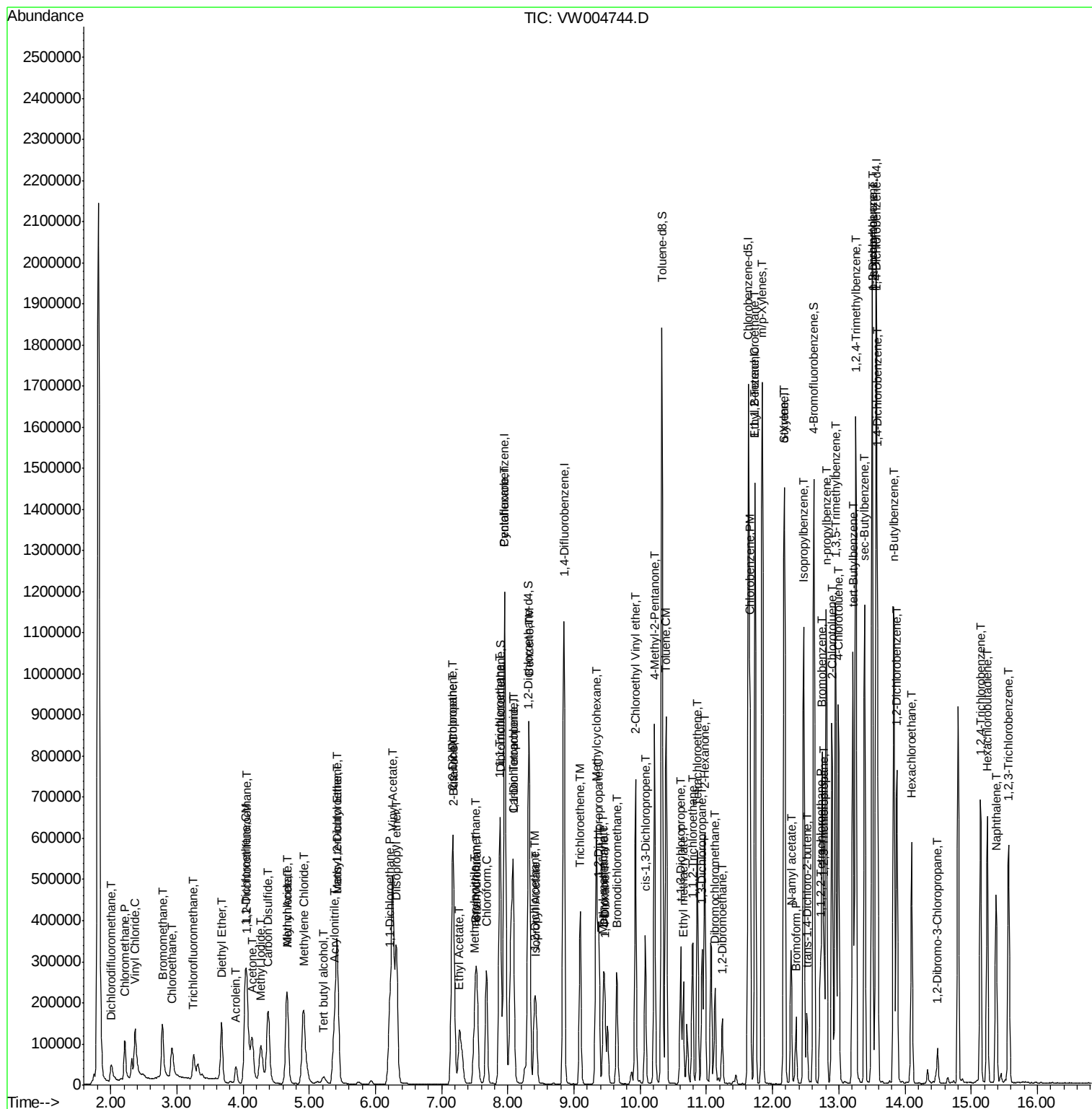
Quant Time: Aug 18 02:39:03 2018

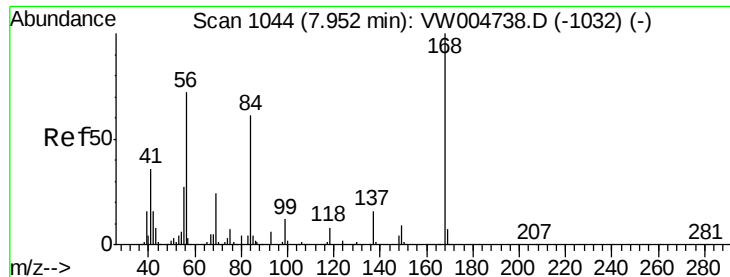
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_W\METHOD\82W081918S.M

Quant Title : SW846 8260

QLast Update : Sat Aug 18 01:49:53 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

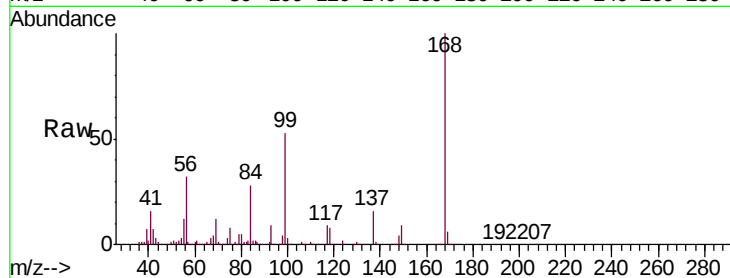
VW0819SBS01

Tgt Ion:168 Resp: 644535

Ion Ratio Lower Upper

168 100

99 53.1 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

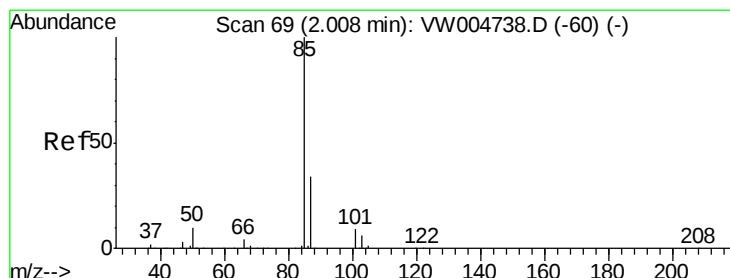
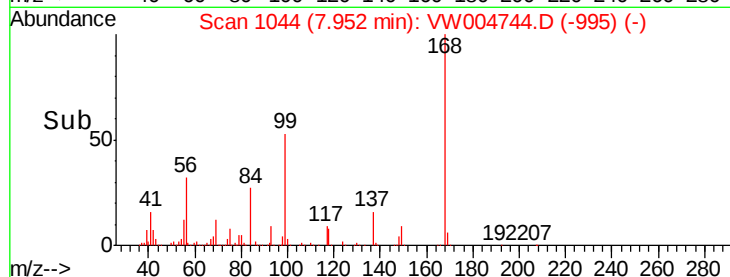
300000

200000

100000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.530 ug/l

RT: 2.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VW004744.D

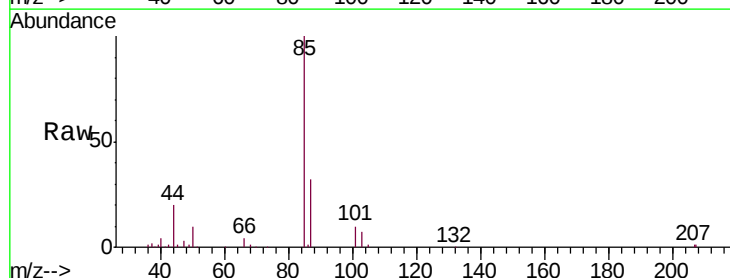
Acq: 17 Aug 2018 20:38

Tgt Ion: 85 Resp: 91918

Ion Ratio Lower Upper

85 100

87 32.4 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

25000

20000

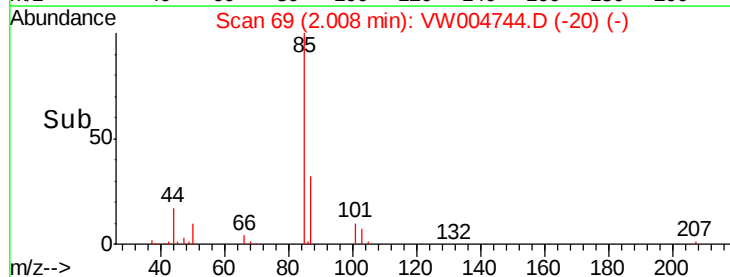
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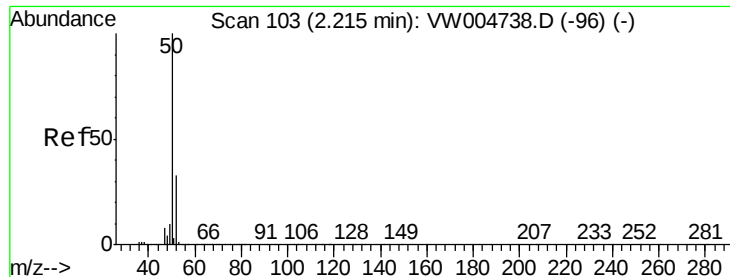
10000

5000

0

Time--> 1.90 2.00 2.10 2.20 2.30





#3

Chloromethane

Concen: 20.838 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

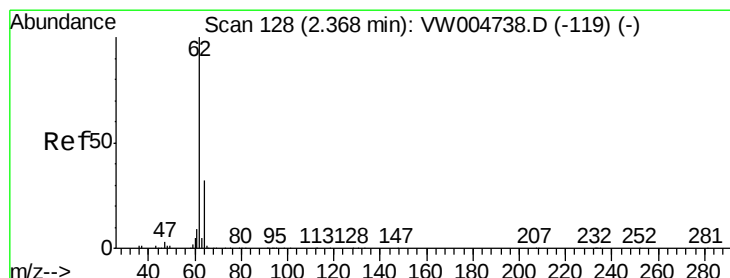
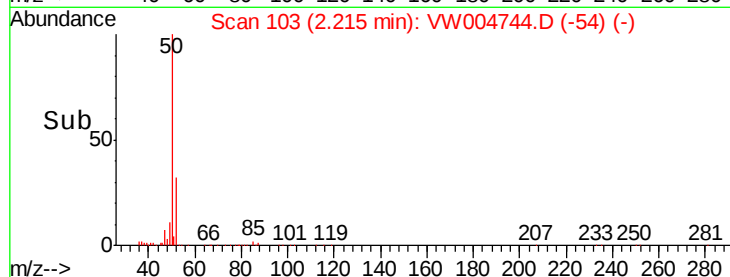
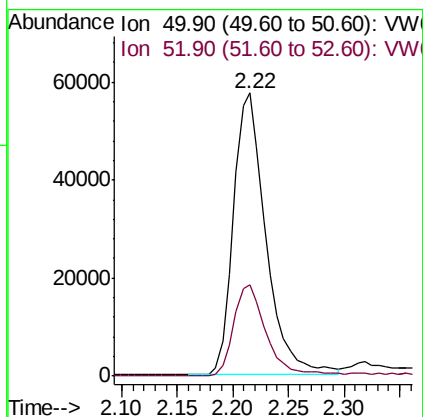
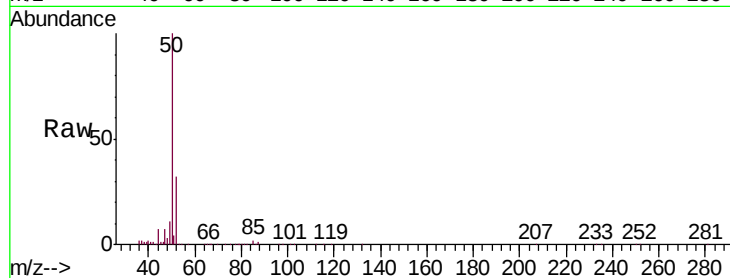
VW0819SBS01

Tgt Ion: 50 Resp: 116320

Ion Ratio Lower Upper

50 100

52 32.6 26.7 40.1



#4

Vinyl Chloride

Concen: 21.252 ug/l

RT: 2.37 min Scan# 128

Delta R.T. 0.00 min

Lab File: VW004744.D

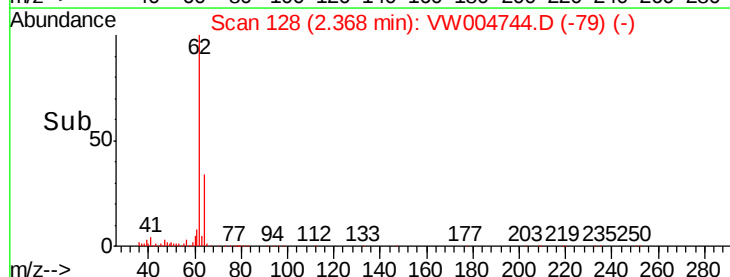
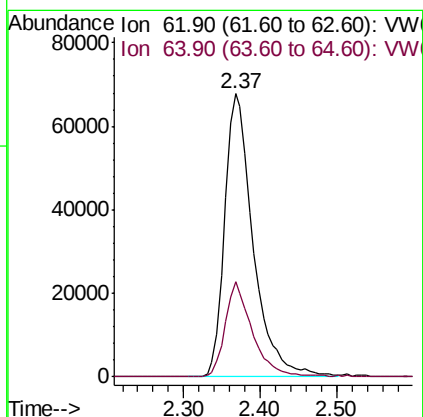
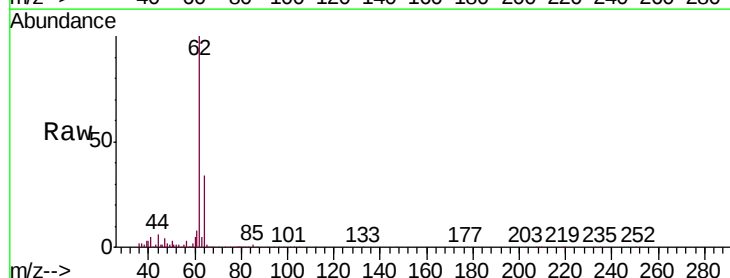
Acq: 17 Aug 2018 20:38

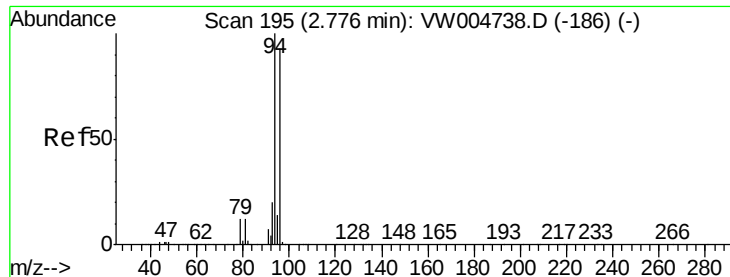
Tgt Ion: 62 Resp: 174614

Ion Ratio Lower Upper

62 100

64 33.4 25.2 37.8





#5

Bromomethane

Concen: 21.733 ug/l

RT: 2.78 min Scan# 196

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

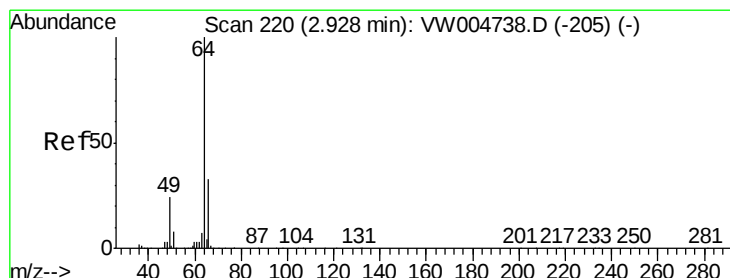
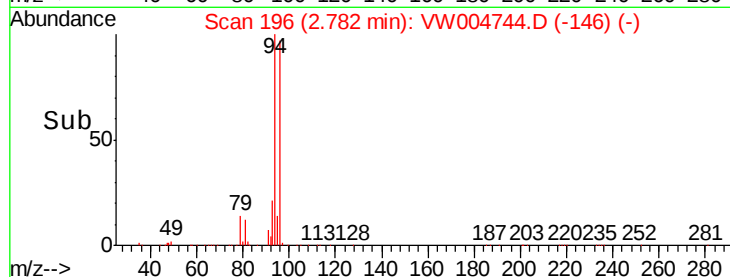
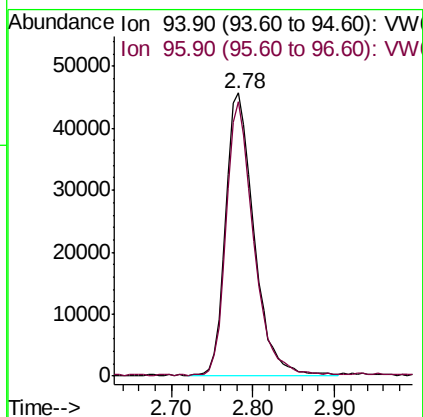
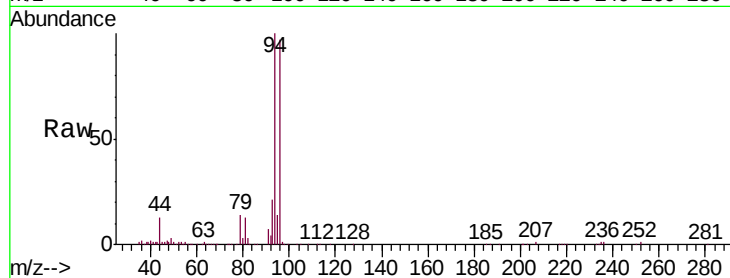
VW0819SBS01

Tgt Ion: 94 Resp: 110285

Ion Ratio Lower Upper

94 100

96 96.9 74.3 111.5



#6

Chloroethane

Concen: 20.993 ug/l

RT: 2.92 min Scan# 219

Delta R.T. -0.01 min

Lab File: VW004744.D

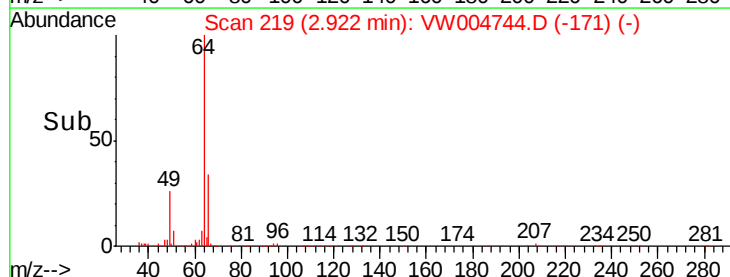
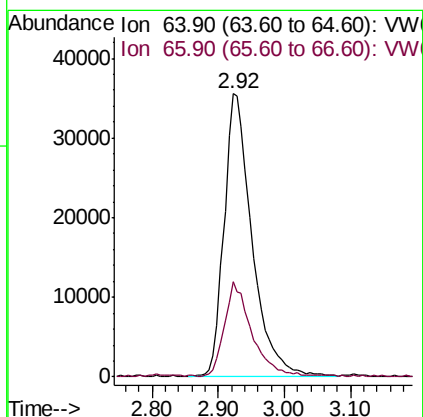
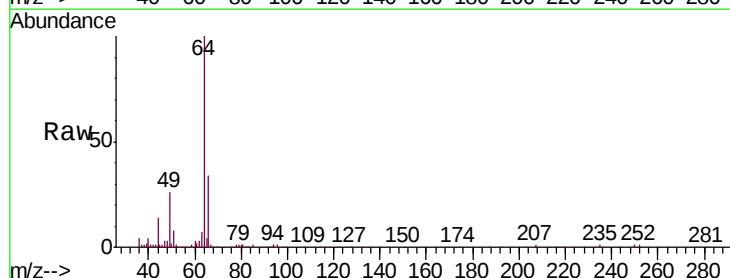
Acq: 17 Aug 2018 20:38

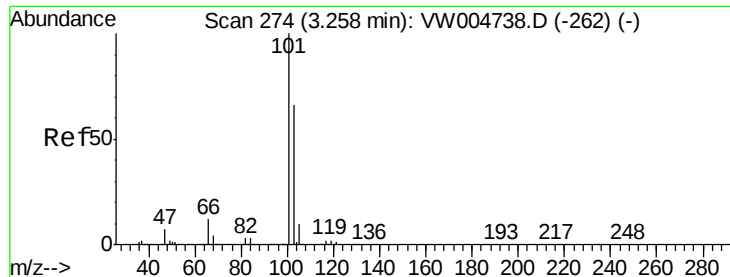
Tgt Ion: 64 Resp: 104076

Ion Ratio Lower Upper

64 100

66 33.3 26.1 39.1



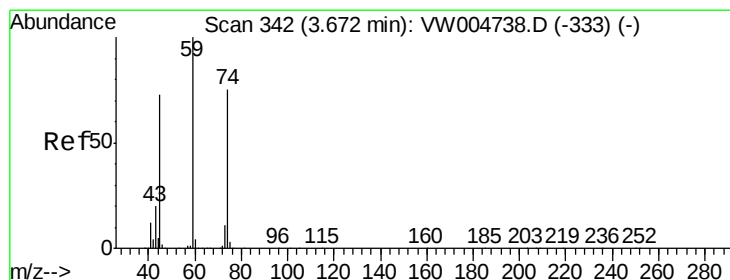
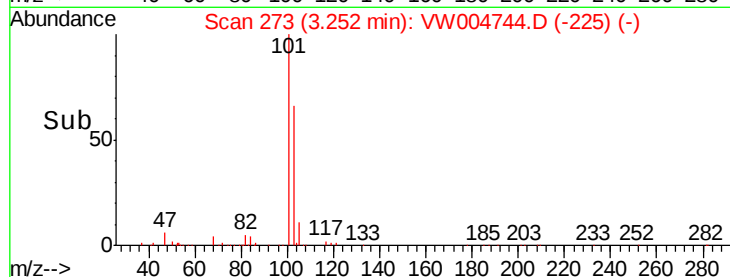
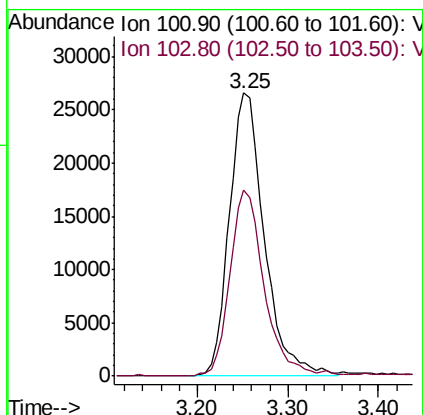
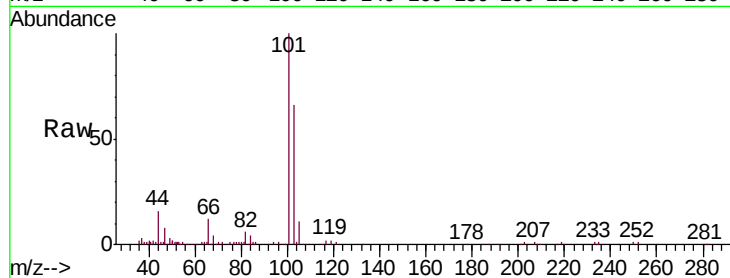


#7

Trichlorofluoromethane
 Concen: 18.387 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. -0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Instrument :
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 ClientSampleId :
 VW0819SBS01

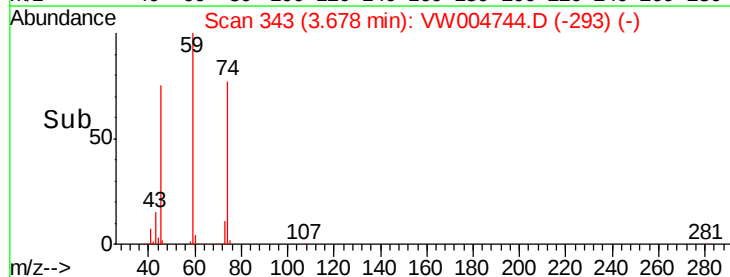
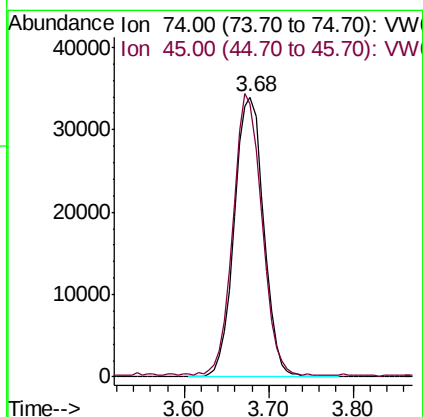
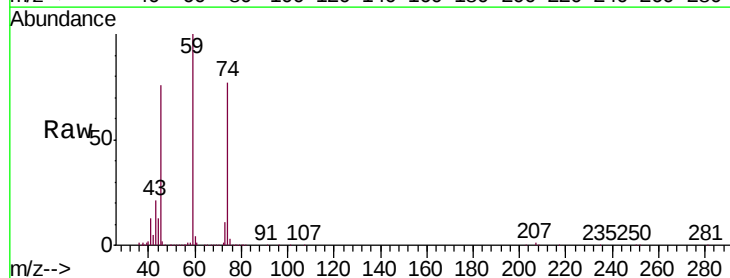
Tgt Ion:101 Resp: 71172
 Ion Ratio Lower Upper
 101 100
 103 65.8 52.5 78.7

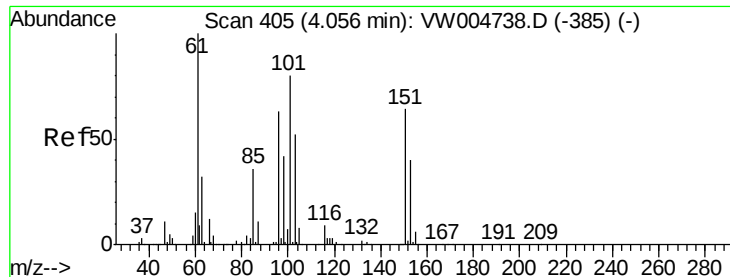


#8

Diethyl Ether
 Concen: 22.741 ug/l
 RT: 3.68 min Scan# 343
 Delta R.T. 0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 74 Resp: 79588
 Ion Ratio Lower Upper
 74 100
 45 98.1 49.8 149.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.006 ug/l

RT: 4.06 min Scan# 406

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

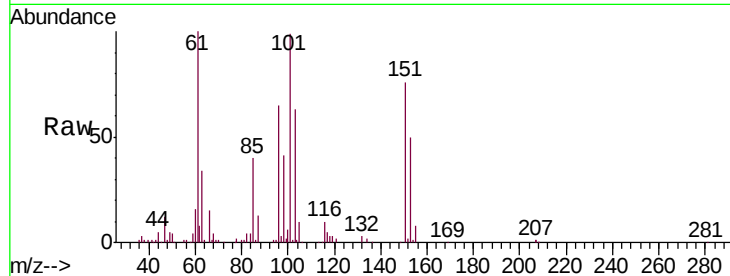
Tgt Ion:101 Resp: 140012

Ion Ratio Lower Upper

101 100

85 42.4 33.9 50.9

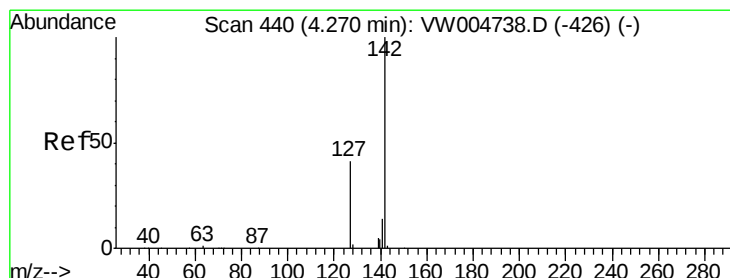
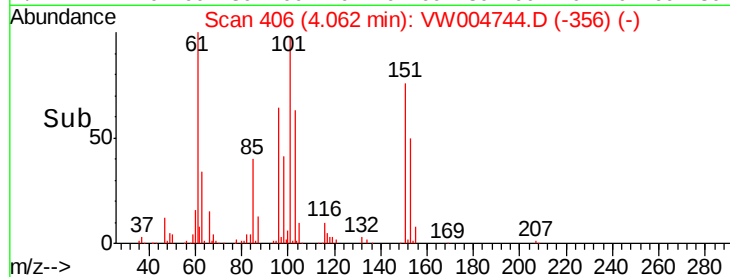
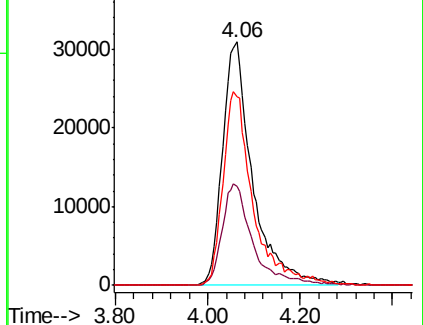
151 77.3 63.4 95.2



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: 21.290 ug/l

RT: 4.27 min Scan# 440

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

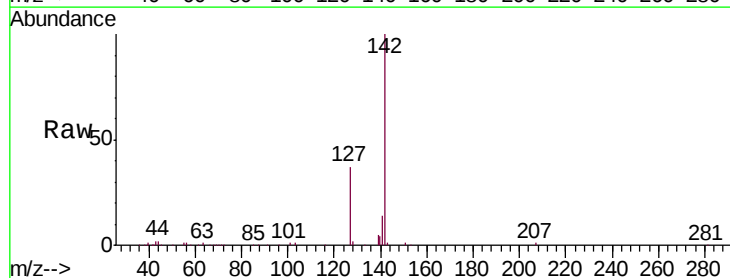
Tgt Ion:142 Resp: 215516

Ion Ratio Lower Upper

142 100

127 38.9 32.1 48.1

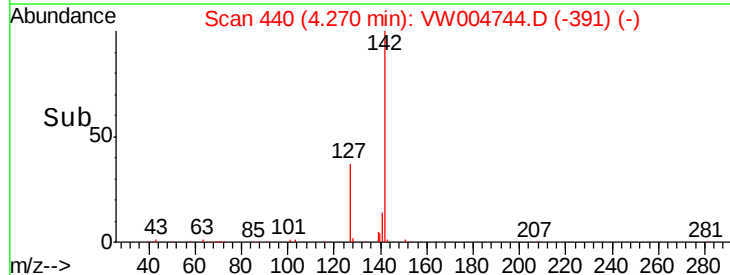
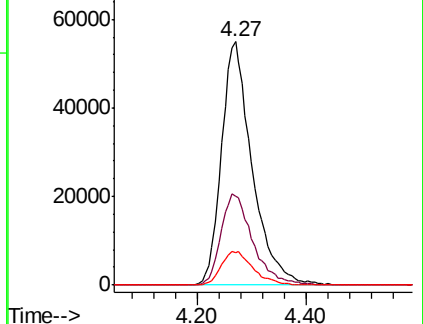
141 14.5 11.7 17.5

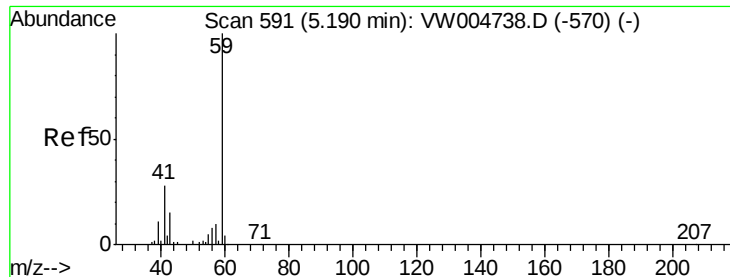


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



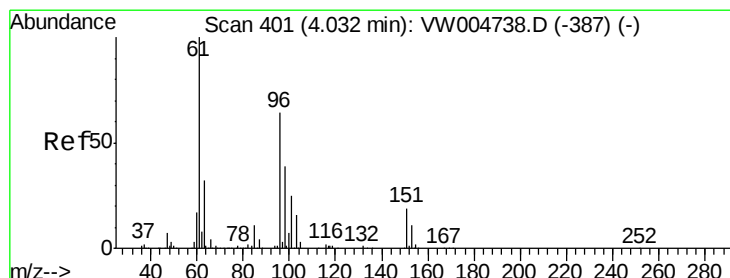
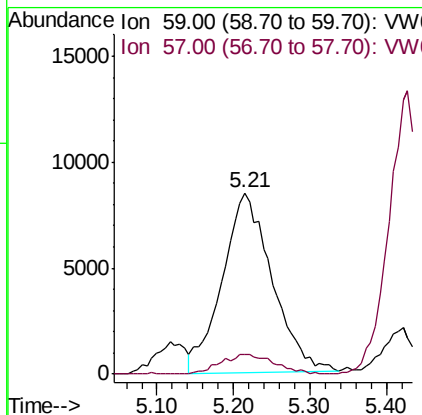
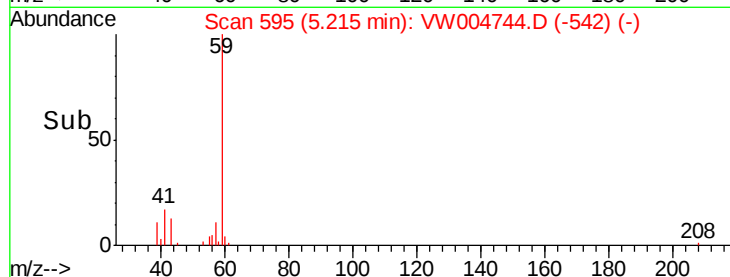
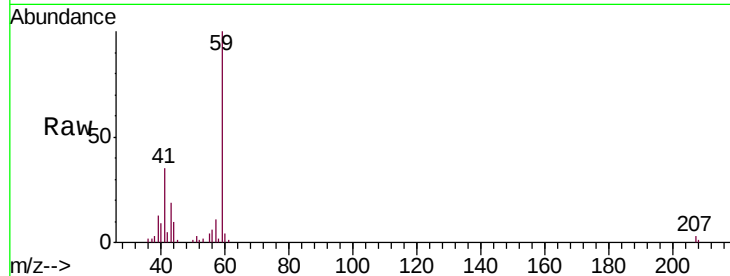


#11

Tert butyl alcohol
Concen: 109.452 ug/l
RT: 5.21 min Scan# 595
Delta R.T. 0.02 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

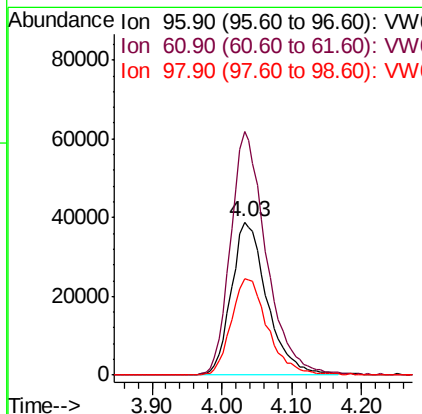
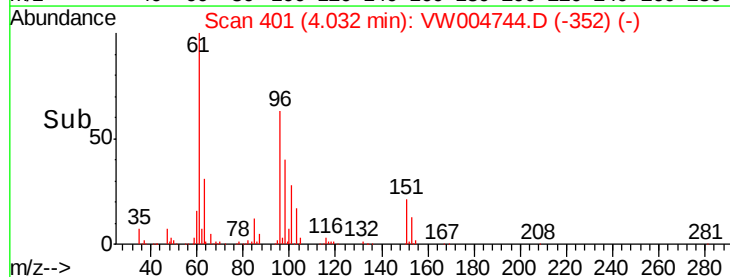
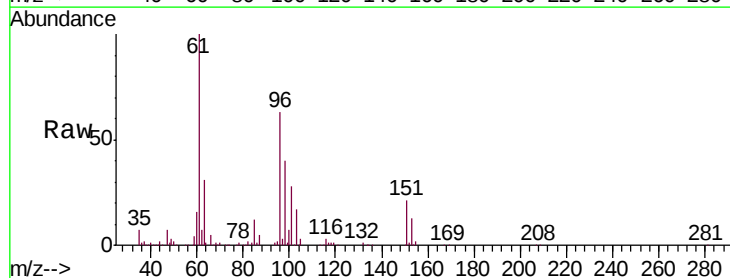
Tgt Ion: 59 Resp: 38104
Ion Ratio Lower Upper
59 100
57 11.9 8.4 12.6

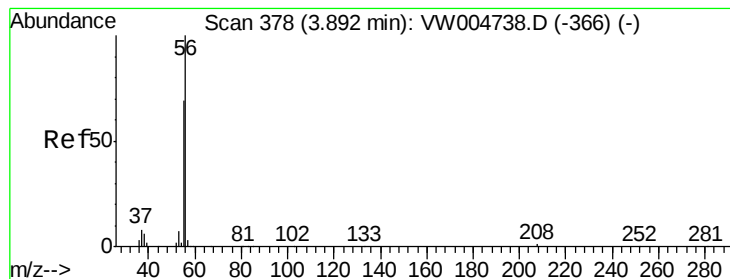


#12

1,1-Dichloroethene
Concen: 20.745 ug/l
RT: 4.03 min Scan# 401
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 96 Resp: 137792
Ion Ratio Lower Upper
96 100
61 159.7 125.6 188.4
98 63.2 49.4 74.0





#13

Acrolein

Concen: 110.610 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

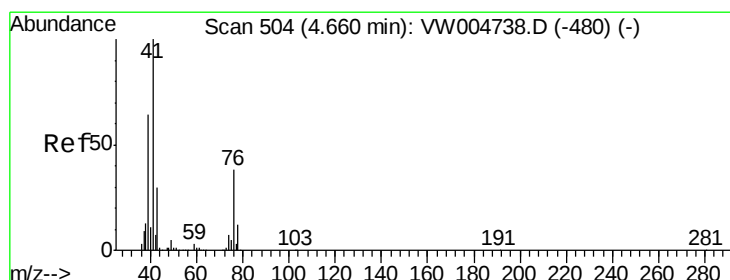
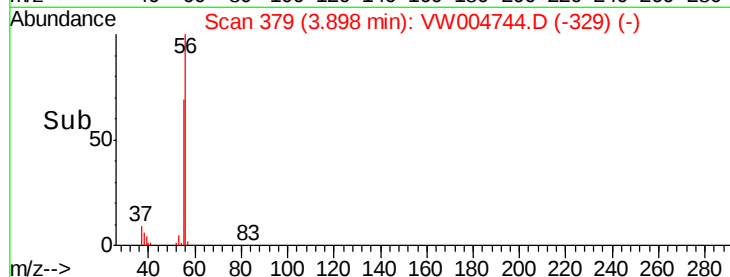
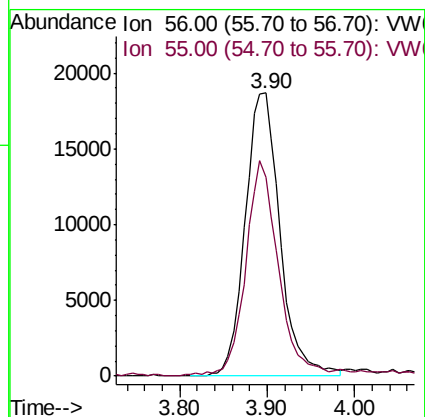
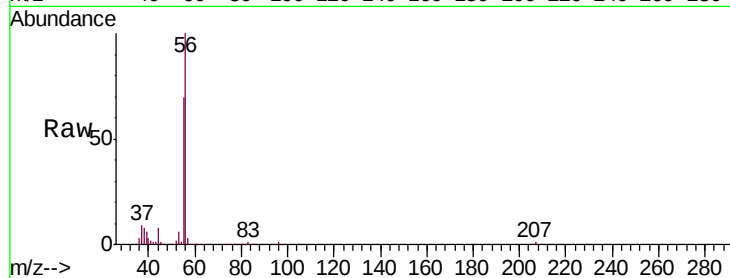
VW0819SBS01

Tgt Ion: 56 Resp: 51674

Ion Ratio Lower Upper

56 100

55 71.6 56.1 84.1



#14

Allyl chloride

Concen: 20.745 ug/l

RT: 4.66 min Scan# 504

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

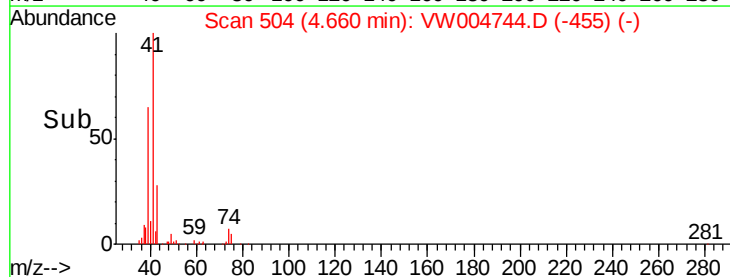
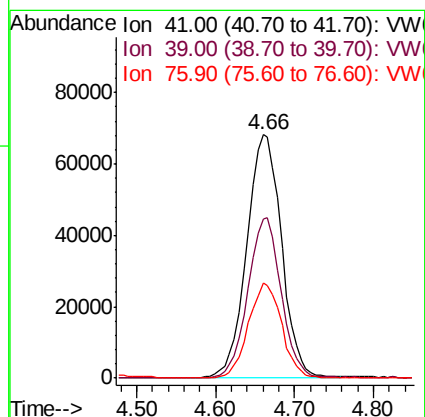
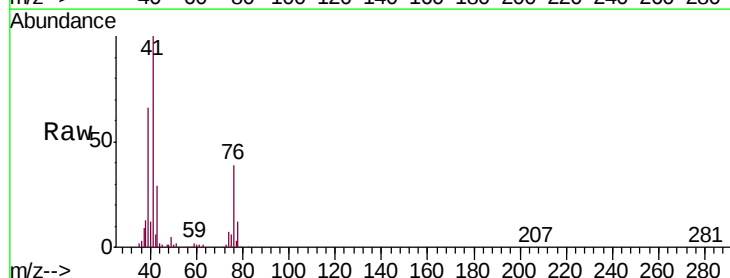
Tgt Ion: 41 Resp: 209101

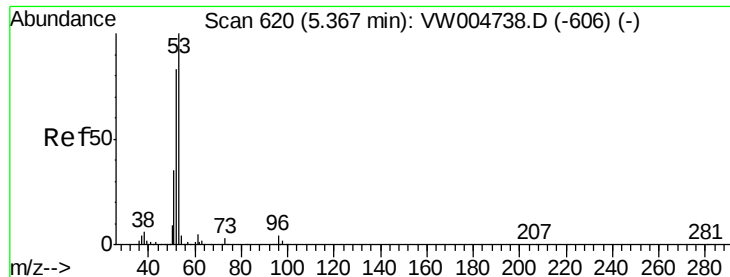
Ion Ratio Lower Upper

41 100

39 62.9 50.0 75.0

76 36.9 29.8 44.6

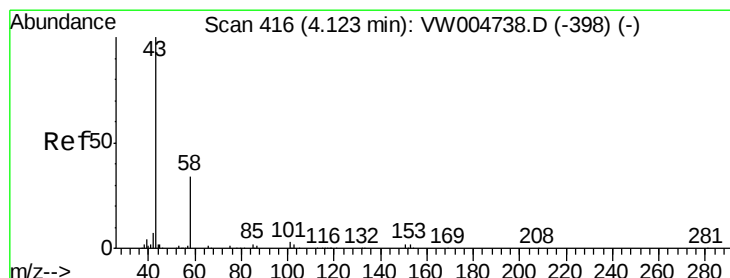
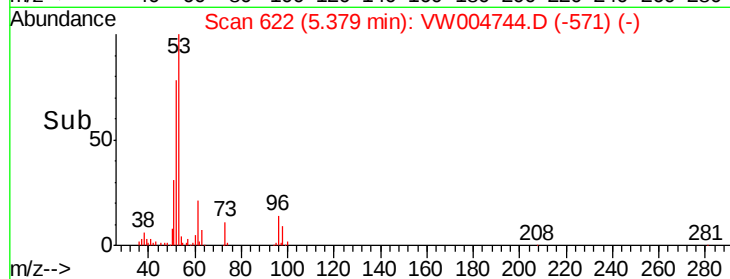
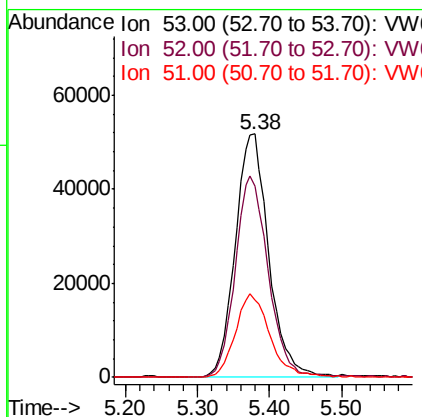
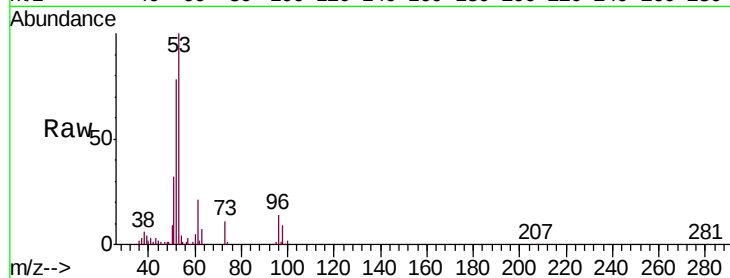




#15
 Acrylonitrile
 Concen: 114.001 ug/l
 RT: 5.38 min Scan# 622
 Delta R.T. 0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

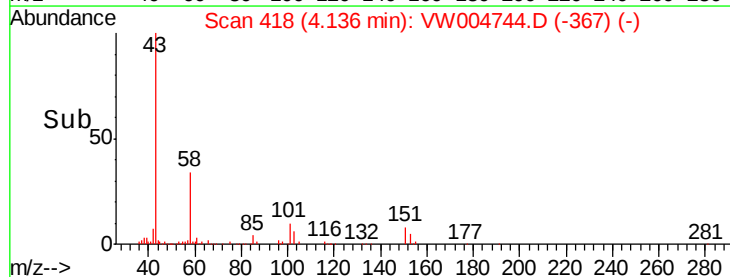
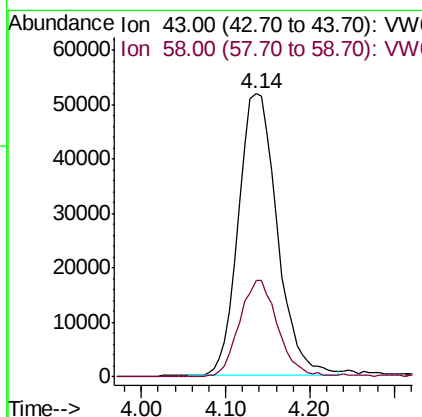
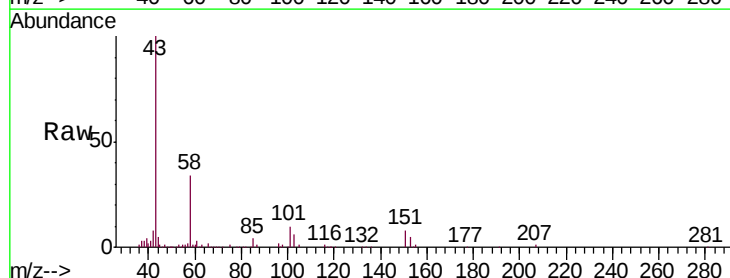
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

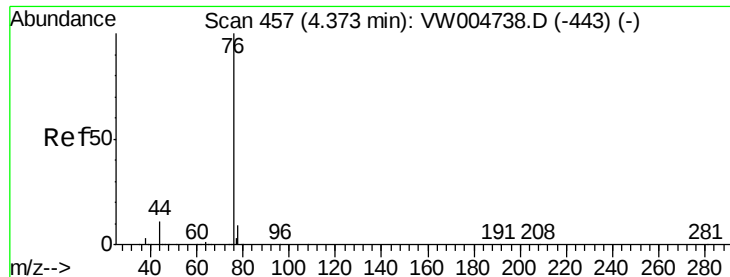
Tgt Ion: 53 Resp: 167320
 Ion Ratio Lower Upper
 53 100
 52 81.7 65.8 98.6
 51 35.2 28.7 43.1



#16
 Acetone
 Concen: 101.681 ug/l
 RT: 4.14 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 43 Resp: 161745
 Ion Ratio Lower Upper
 43 100
 58 33.9 27.3 40.9

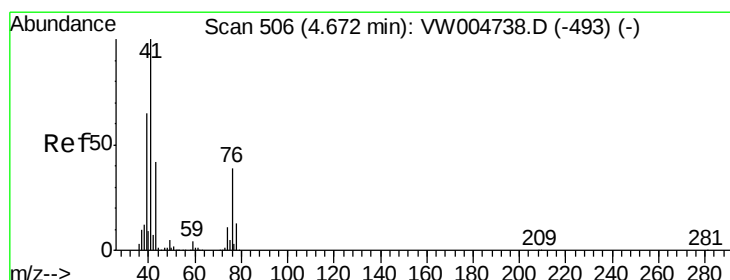
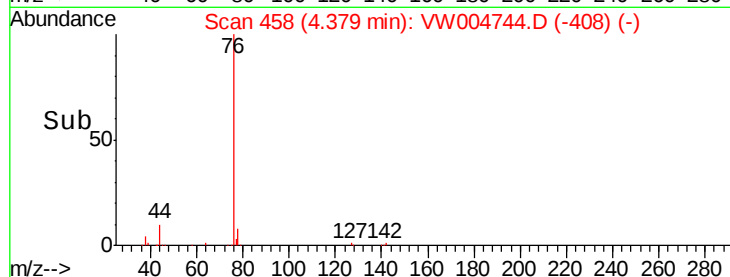
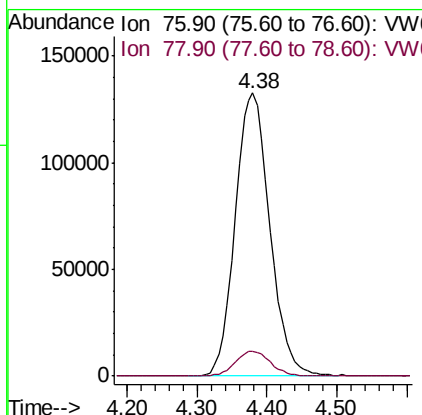
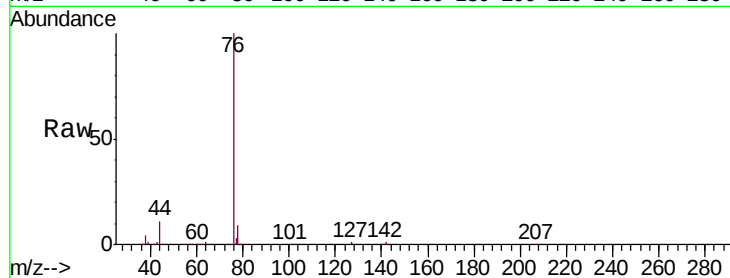




#17
Carbon Disulfide
Concen: 20.868 ug/l
RT: 4.38 min Scan# 458
Delta R.T. 0.01 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

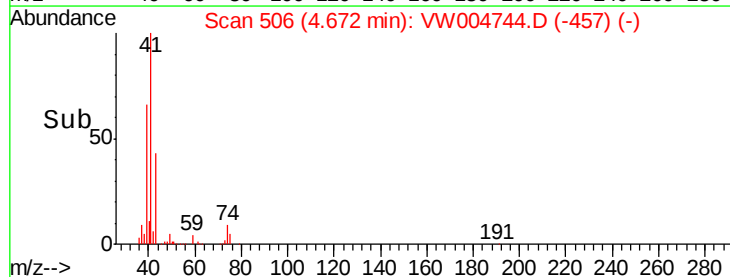
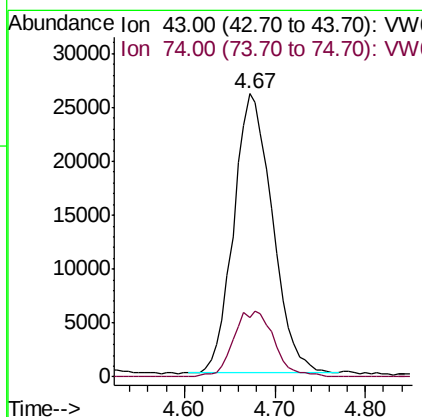
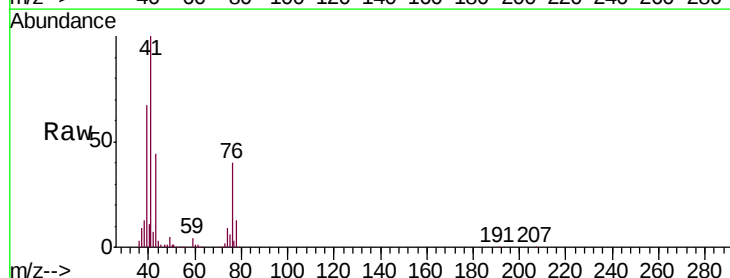
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

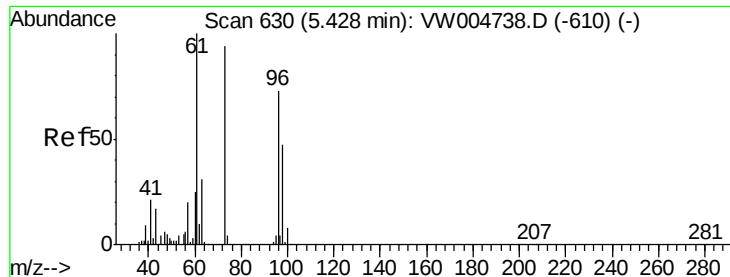
Tgt Ion: 76 Resp: 455497
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2



#18
Methyl Acetate
Concen: 22.536 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 43 Resp: 76821
Ion Ratio Lower Upper
43 100
74 24.9 19.8 29.8

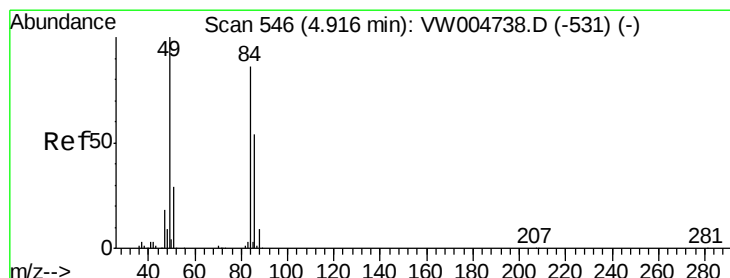
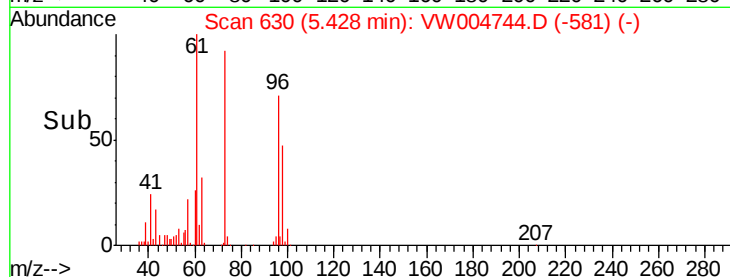
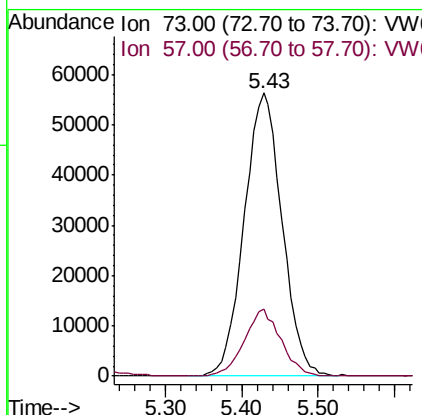
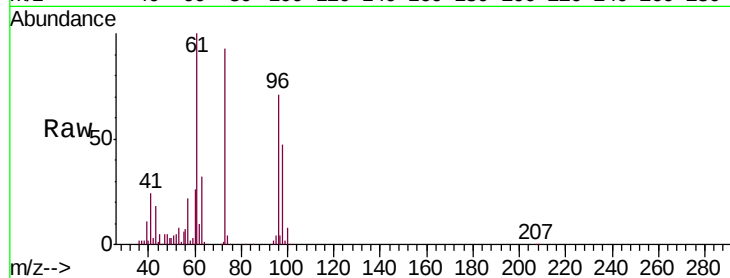




#19
Methyl tert-butyl Ether
Concen: 22.515 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

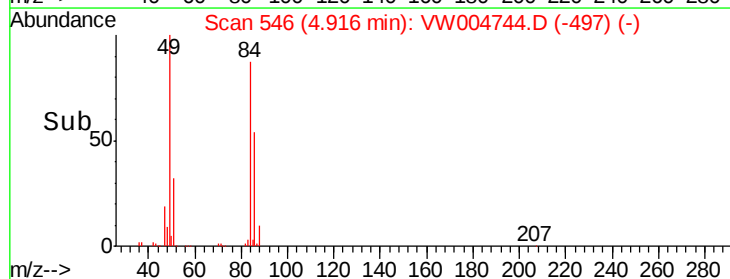
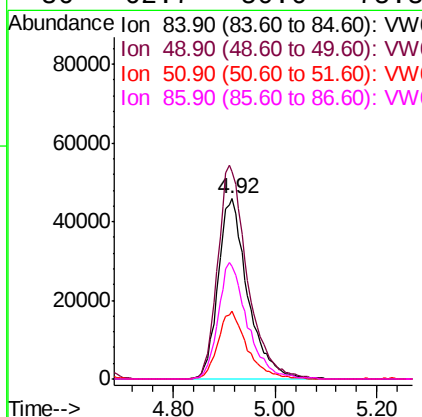
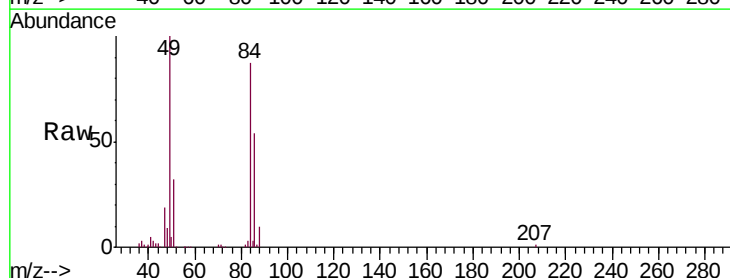
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

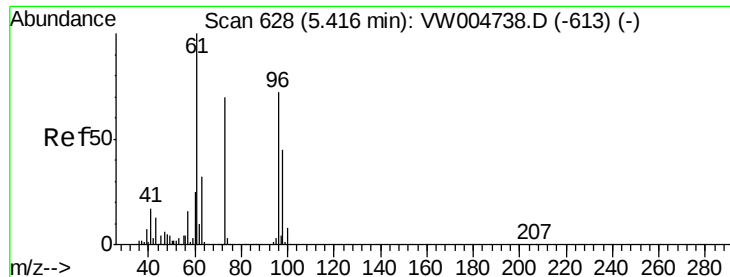
Tgt Ion: 73 Resp: 194131
Ion Ratio Lower Upper
73 100
57 23.7 17.3 25.9



#20
Methylene Chloride
Concen: 23.139 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 84 Resp: 184897
Ion Ratio Lower Upper
84 100
49 115.4 93.2 139.8
51 37.4 27.4 41.0
86 62.7 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 21.221 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

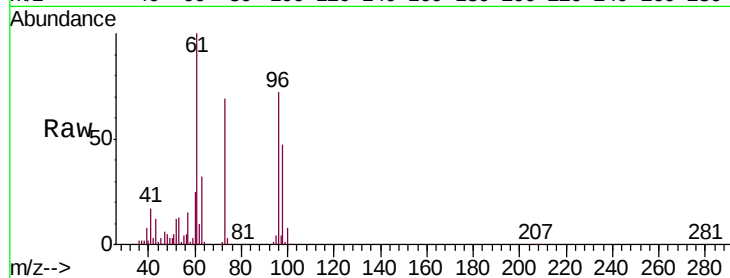
Tgt Ion: 96 Resp: 149970

Ion Ratio Lower Upper

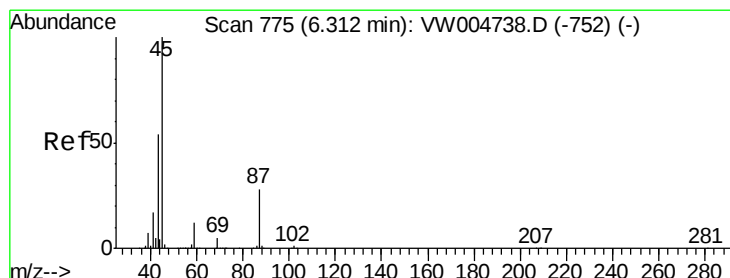
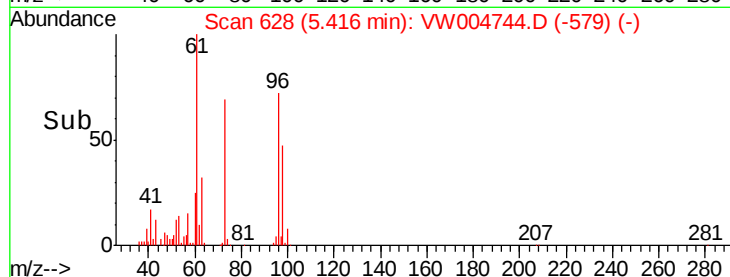
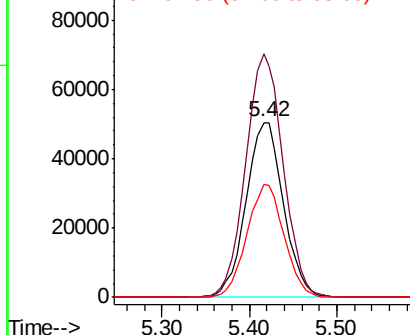
96 100

61 139.5 111.4 167.0

98 64.9 49.7 74.5



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



#22

Diisopropyl ether

Concen: 22.775 ug/l

RT: 6.31 min Scan# 775

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Tgt Ion: 45 Resp: 441238

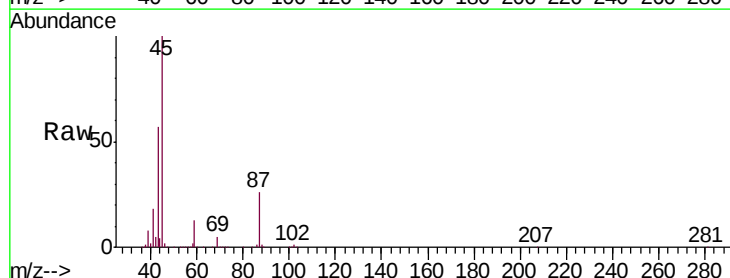
Ion Ratio Lower Upper

45 100

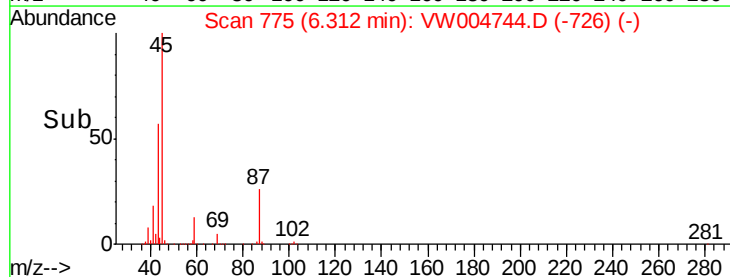
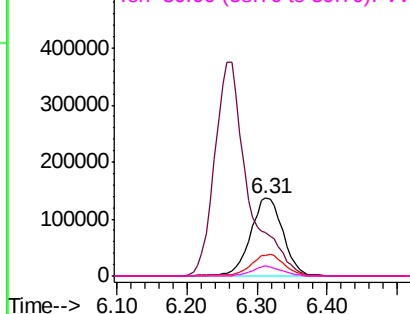
43 56.0 43.0 64.6

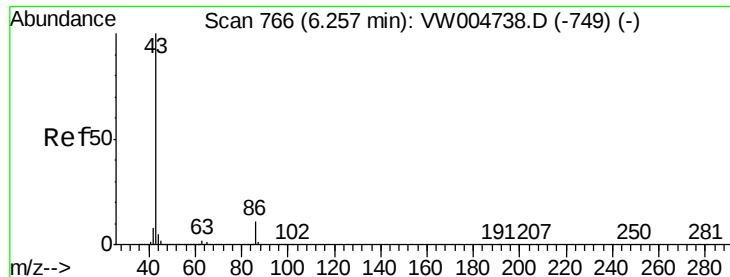
87 26.0 22.2 33.4

59 12.5 9.8 14.6



Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW

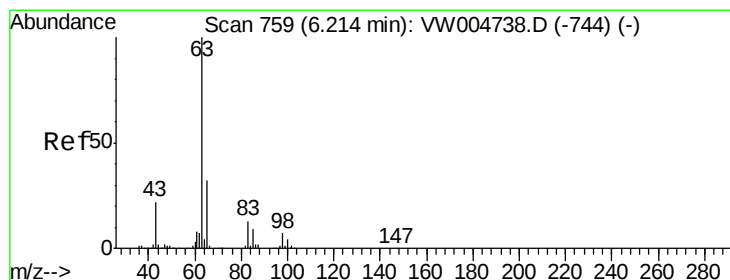
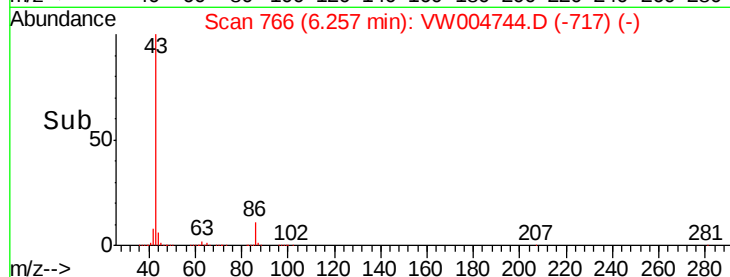
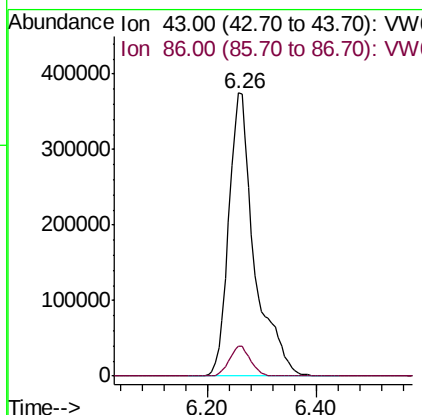
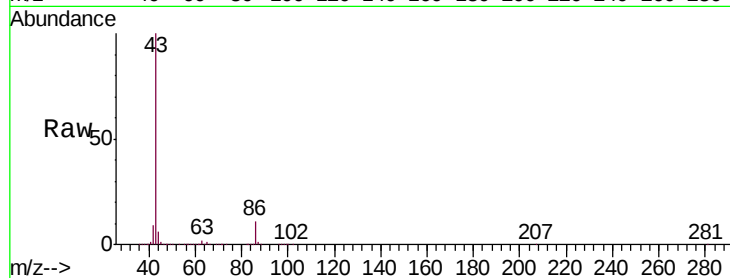




#23
 Vinyl Acetate
 Concen: 112.827 ug/l
 RT: 6.26 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

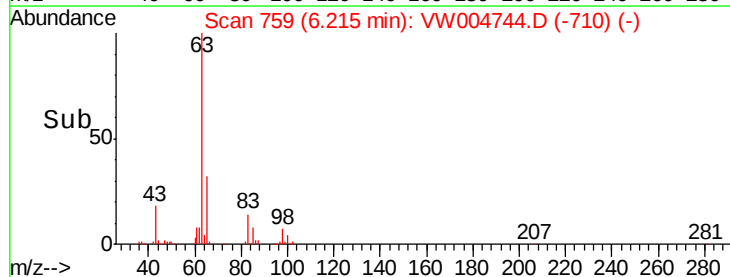
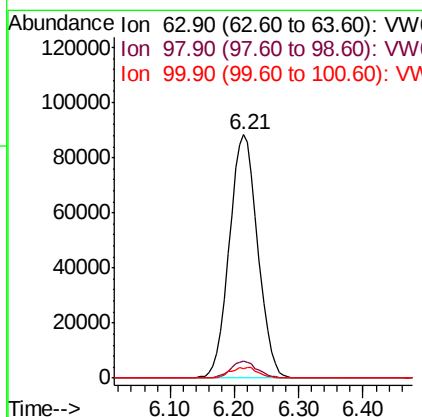
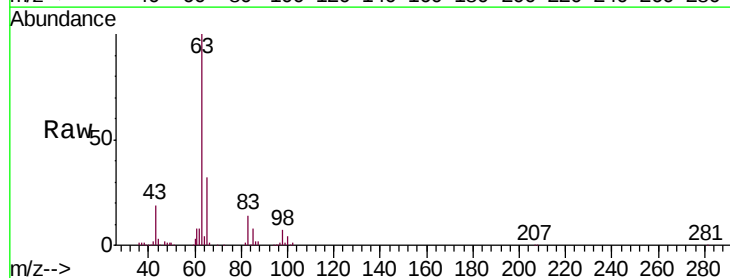
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

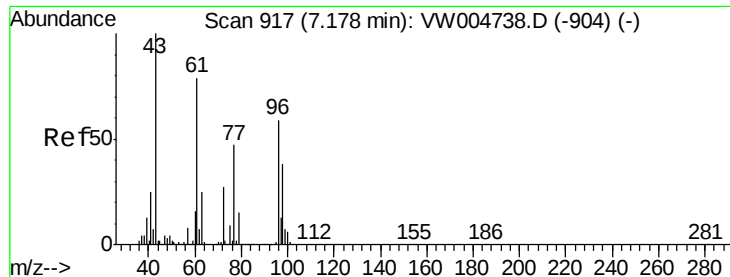
Tgt Ion: 43 Resp: 1236420
 Ion Ratio Lower Upper
 43 100
 86 10.6 8.5 12.7



#24
 1,1-Dichloroethane
 Concen: 21.578 ug/l
 RT: 6.21 min Scan# 759
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 63 Resp: 271663
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.5 10.4
 100 4.0 2.1 6.3





#25

2-Butanone

Concen: 111.580 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

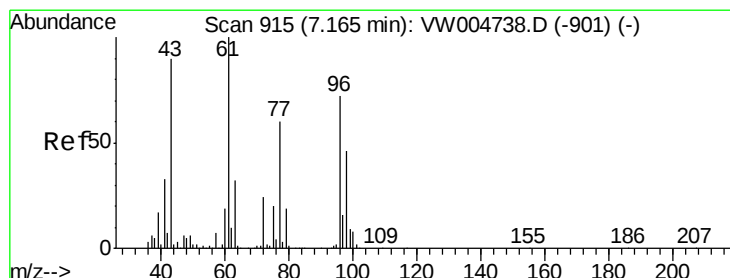
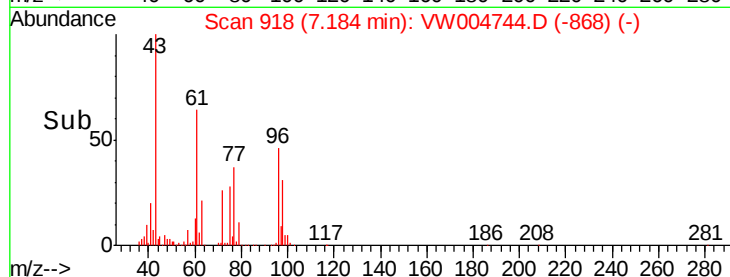
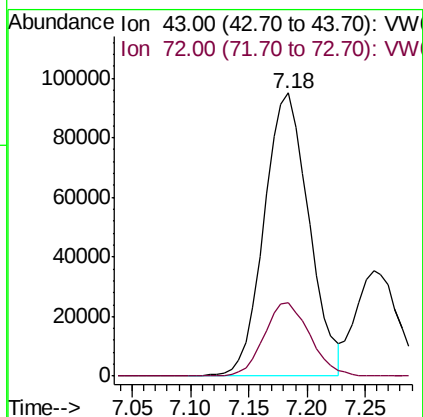
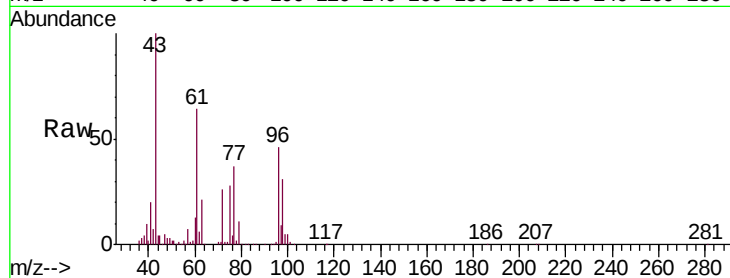
VW0819SBS01

Tgt Ion: 43 Resp: 252893

Ion Ratio Lower Upper

43 100

72 26.0 22.0 33.0



#26

2,2-Dichloropropane

Concen: 20.287 ug/l

RT: 7.17 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW004744.D

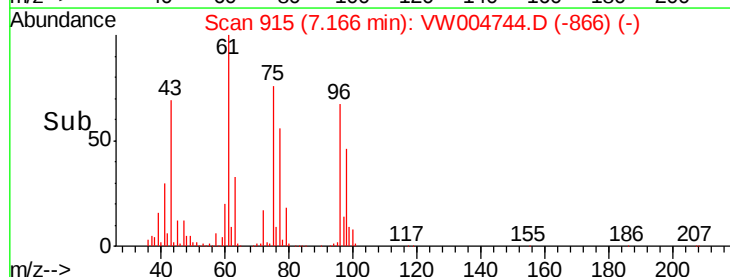
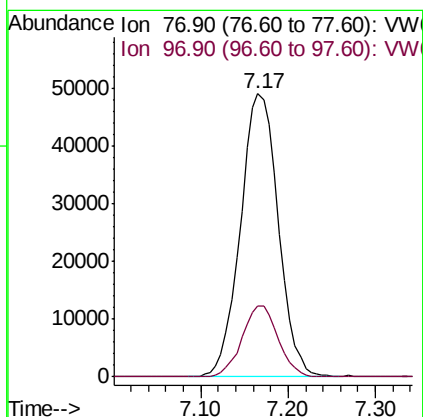
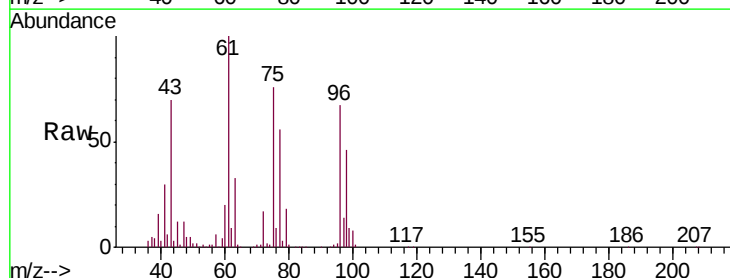
Acq: 17 Aug 2018 20:38

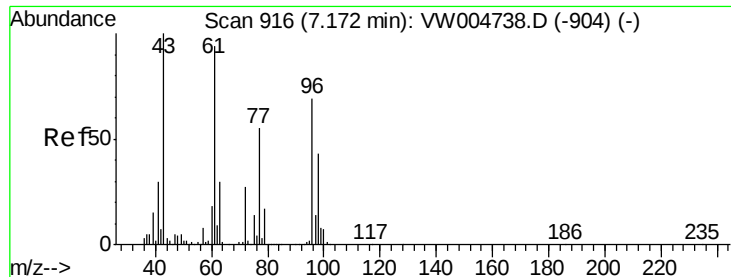
Tgt Ion: 77 Resp: 147521

Ion Ratio Lower Upper

77 100

97 24.0 12.6 37.8



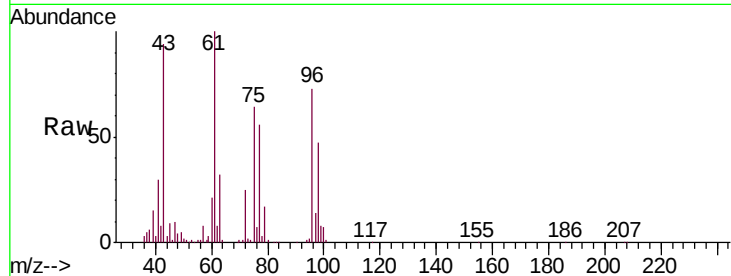


#27

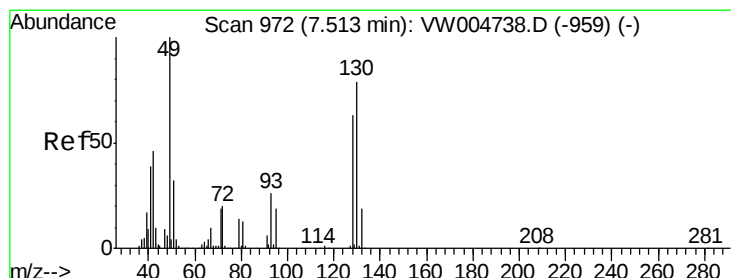
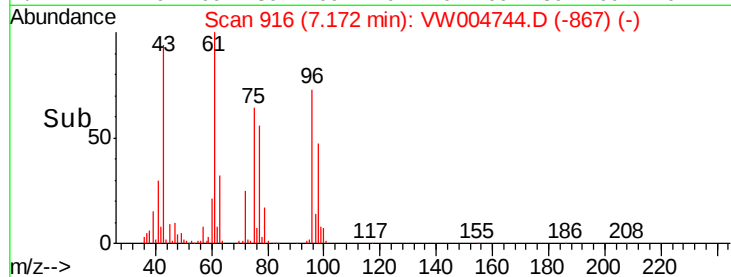
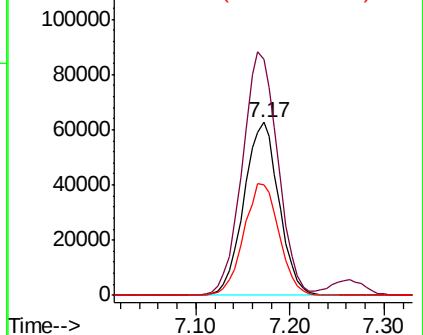
cis-1,2-Dichloroethene
 Concen: 21.556 ug/l
 RT: 7.17 min Scan# 916
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tgt Ion: 96 Resp: 164003
 Ion Ratio Lower Upper
 96 100
 61 142.8 0.0 277.6
 98 64.8 0.0 127.4



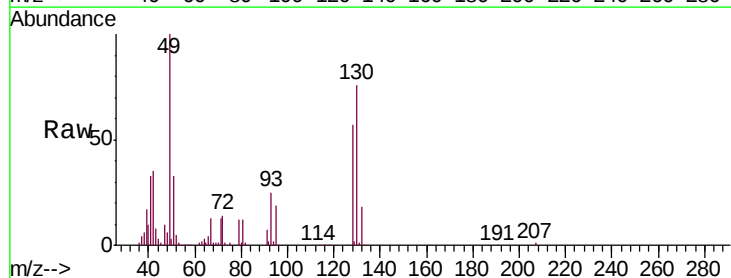
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



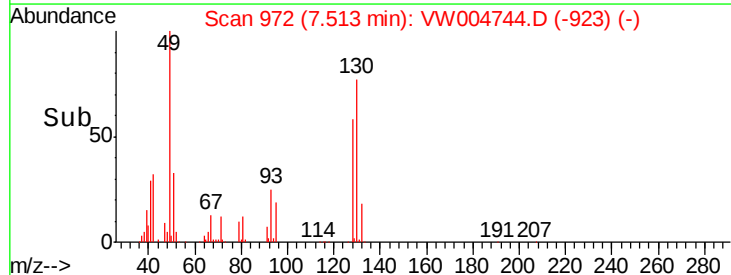
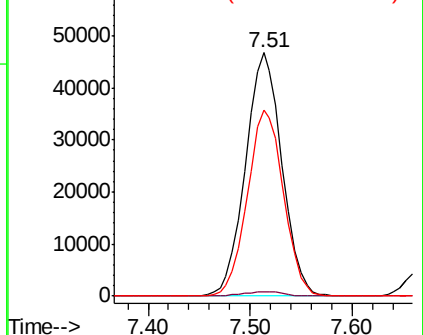
#28

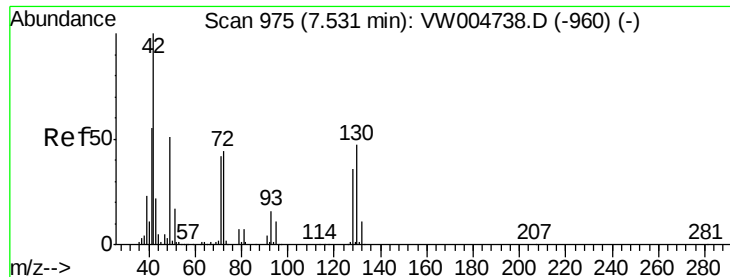
Bromochloromethane
 Concen: 21.852 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 49 Resp: 115852
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 4.4
 130 76.0 63.7 95.5



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

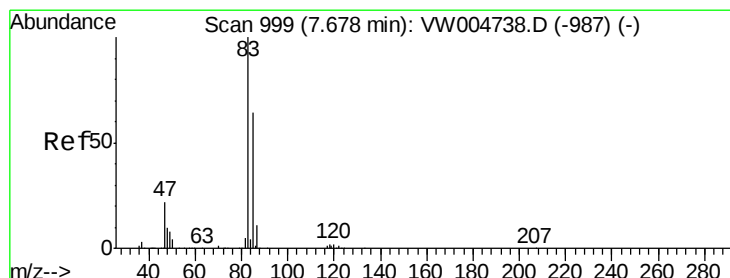
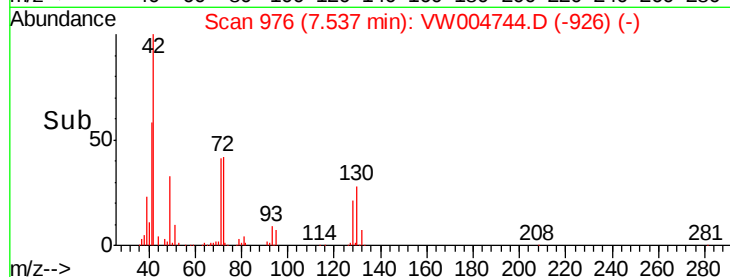
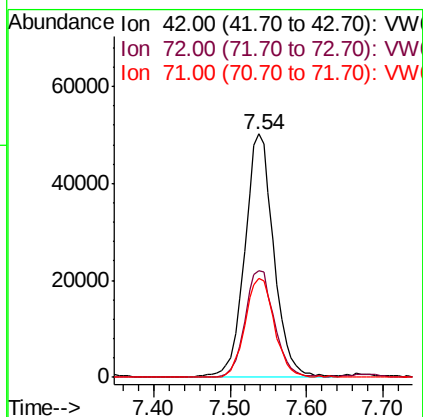
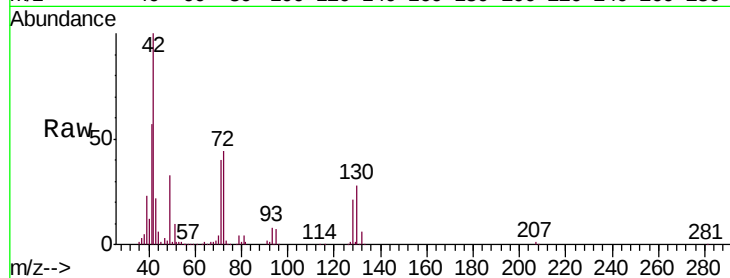




#29
Tetrahydrofuran
Concen: 113.719 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

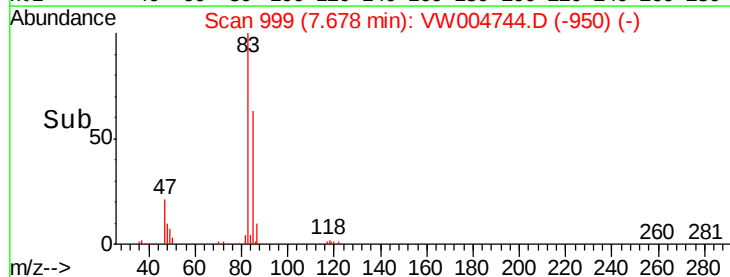
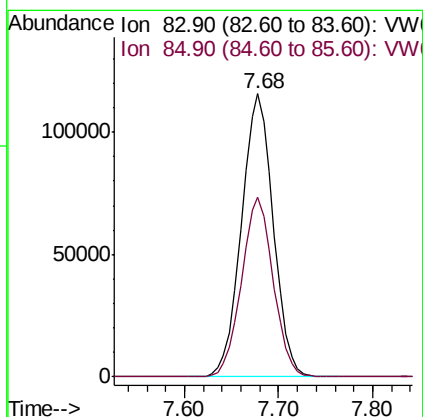
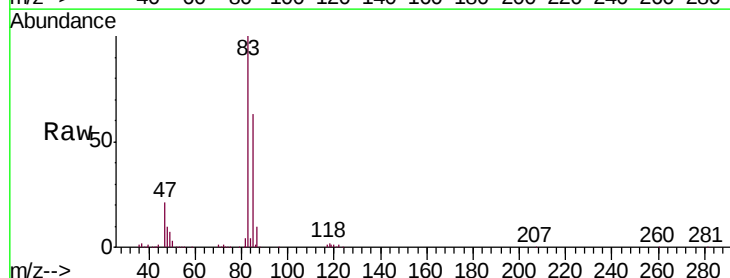
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

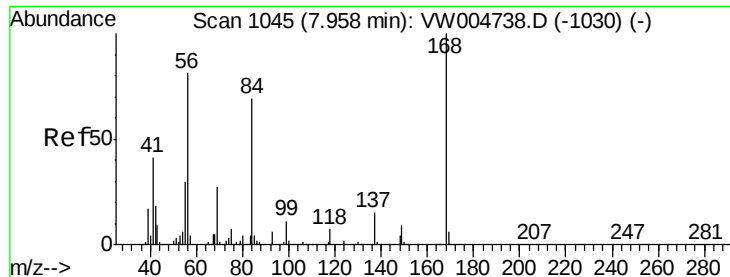
Tgt Ion: 42 Resp: 131428
Ion Ratio Lower Upper
42 100
72 44.7 34.9 52.3
71 41.3 33.8 50.6



#30
Chloroform
Concen: 21.995 ug/l
RT: 7.68 min Scan# 999
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 83 Resp: 272347
Ion Ratio Lower Upper
83 100
85 63.4 51.0 76.6

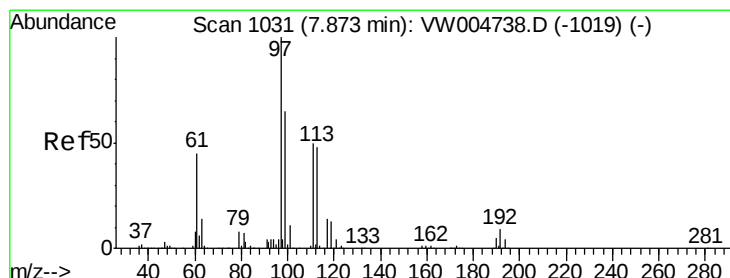
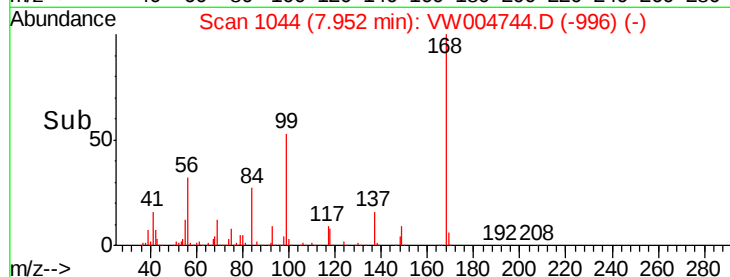
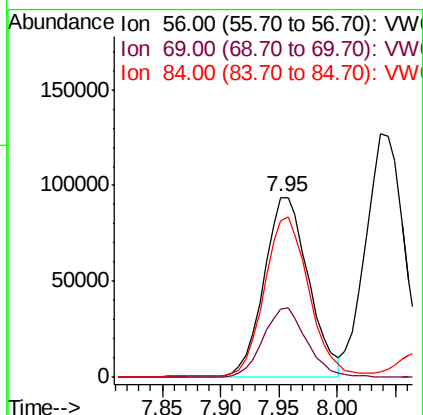
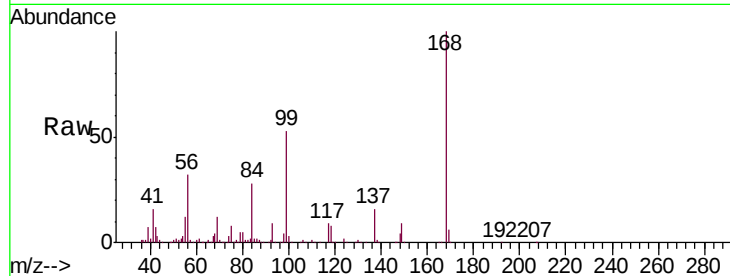




#31
Cyclohexane
Concen: 20.526 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

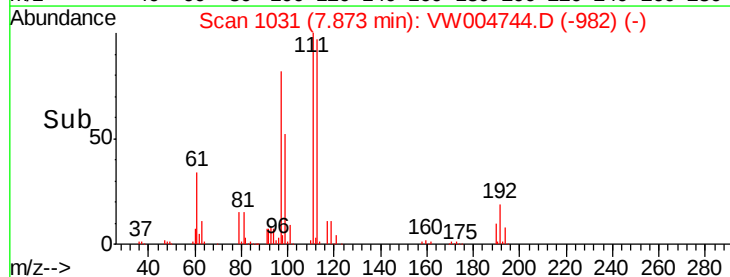
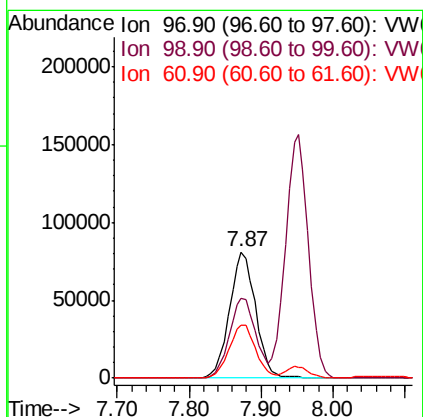
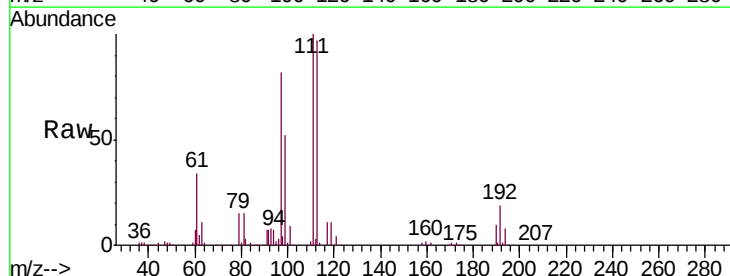
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

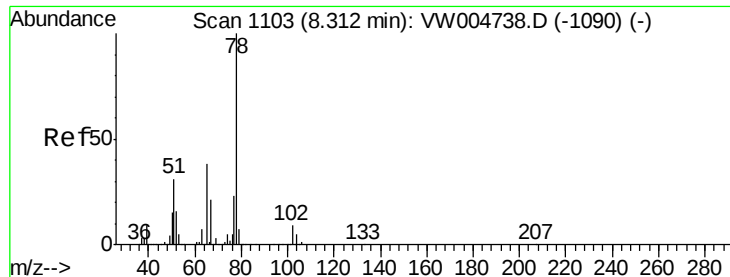
Tgt Ion: 56 Resp: 249960
Ion Ratio Lower Upper
56 100
69 38.2 27.1 40.7
84 86.3 68.3 102.5



#32
1,1,1-Trichloroethane
Concen: 20.809 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 97 Resp: 204246
Ion Ratio Lower Upper
97 100
99 64.1 51.7 77.5
61 43.3 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 53.501 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

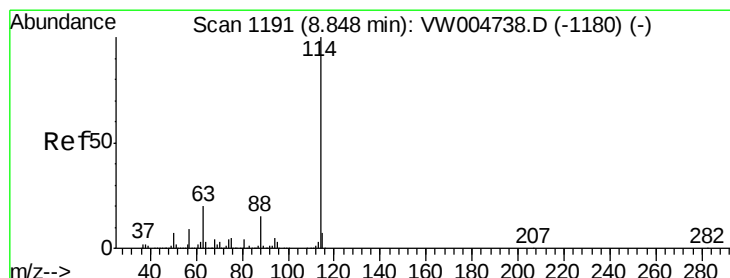
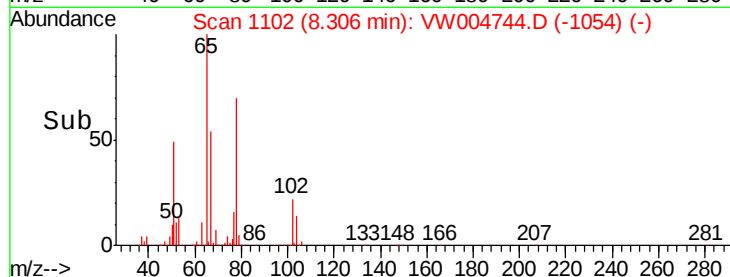
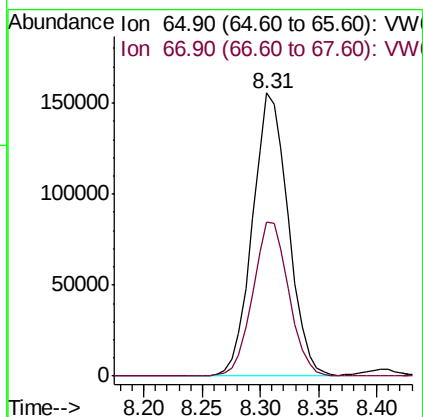
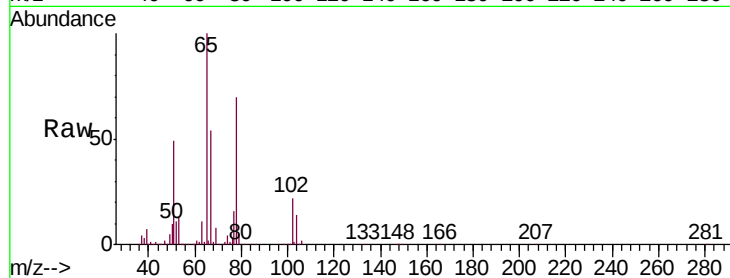
VW0819SBS01

Tgt Ion: 65 Resp: 333386

Ion Ratio Lower Upper

65 100

67 55.2 0.0 109.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

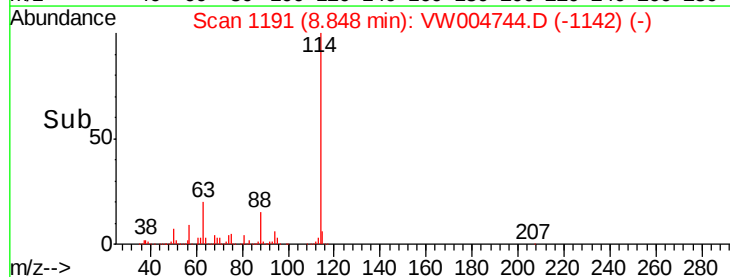
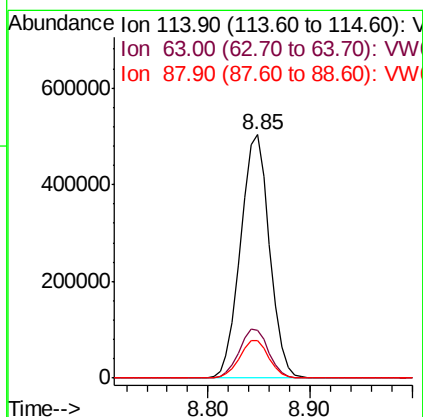
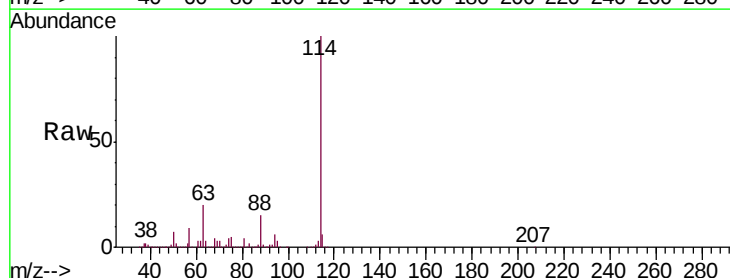
Tgt Ion: 114 Resp: 993457

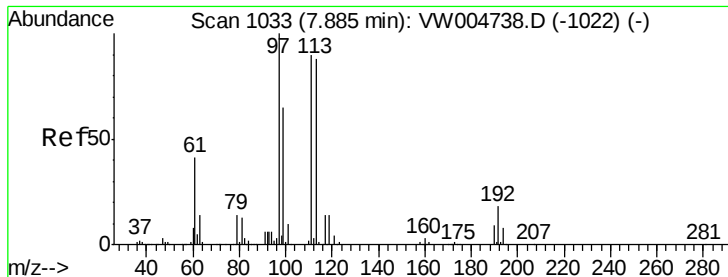
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.0

88 15.4 0.0 30.0





#35

Dibromofluoromethane

Concen: 51.781 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

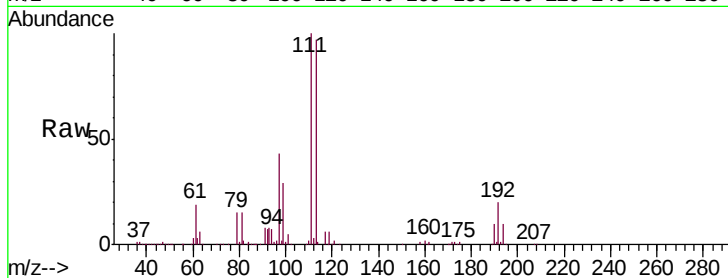
Tgt Ion: 113 Resp: 328785

Ion Ratio Lower Upper

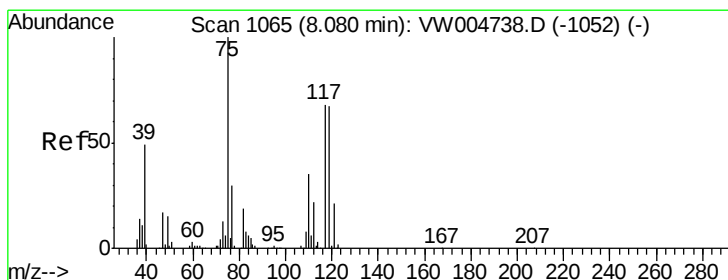
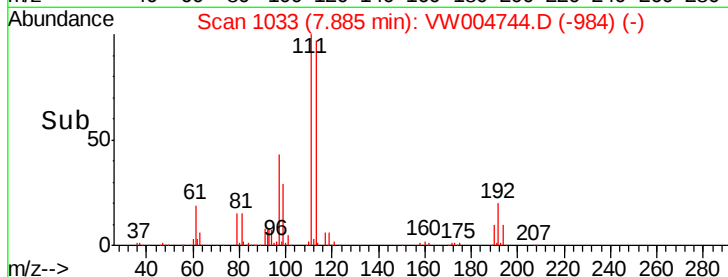
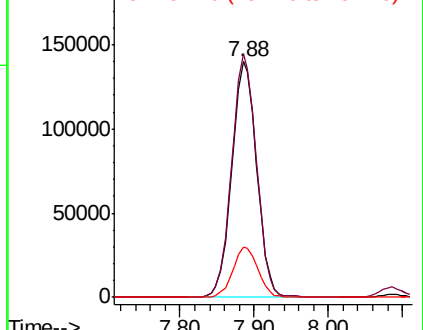
113 100

111 102.7 82.4 123.6

192 21.3 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: 20.479 ug/l

RT: 8.09 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

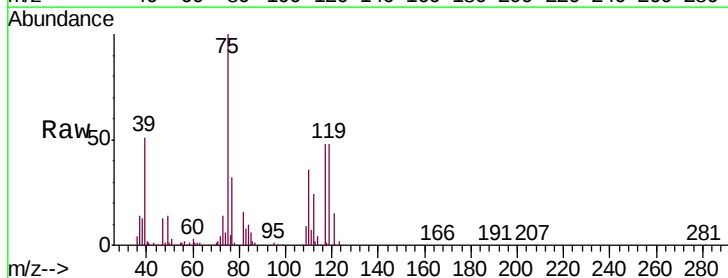
Tgt Ion: 75 Resp: 209591

Ion Ratio Lower Upper

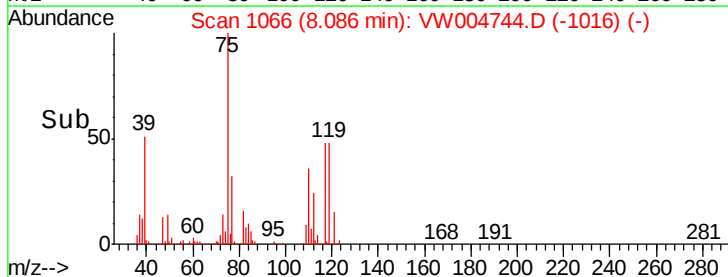
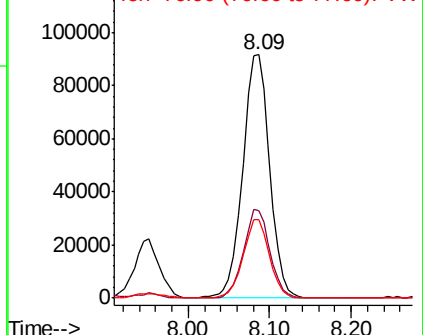
75 100

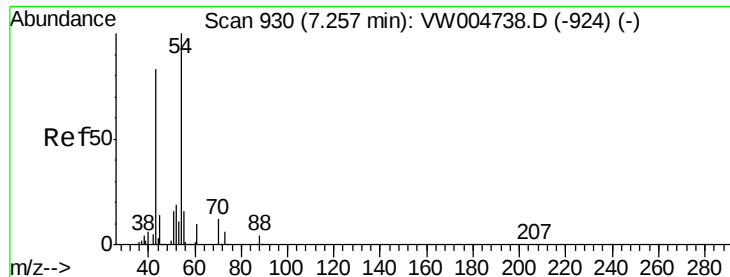
110 35.5 17.8 53.5

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

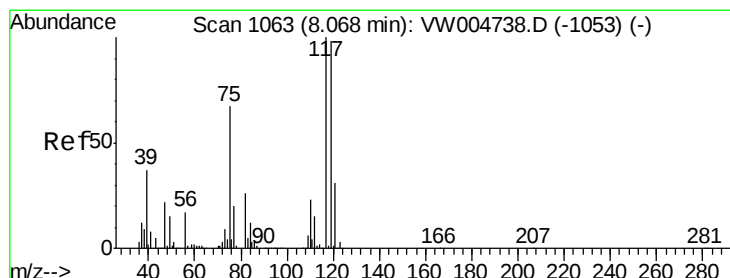
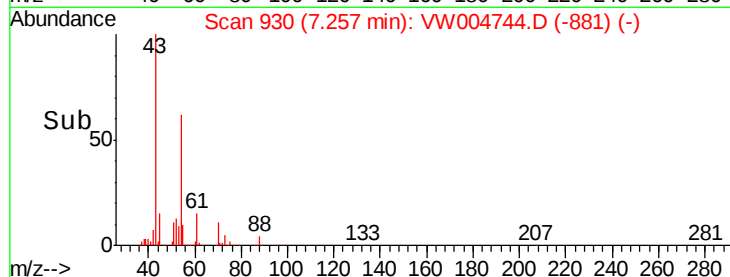
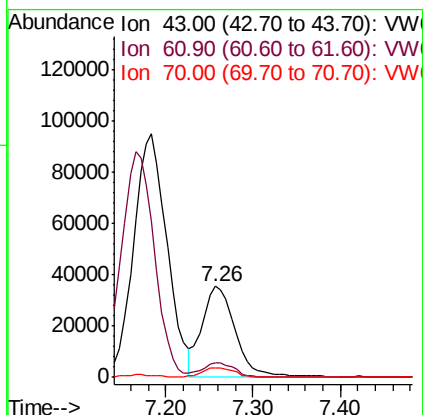
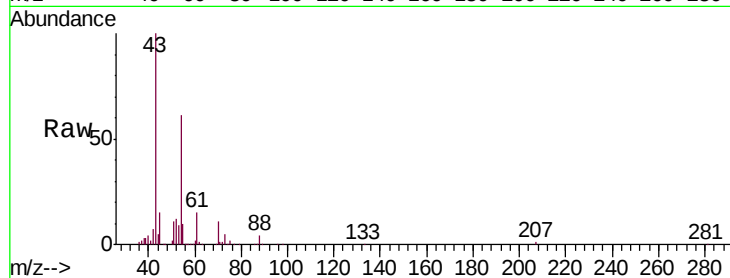




#37
 Ethyl Acetate
 Concen: 22.713 ug/l
 RT: 7.26 min Scan# 930
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

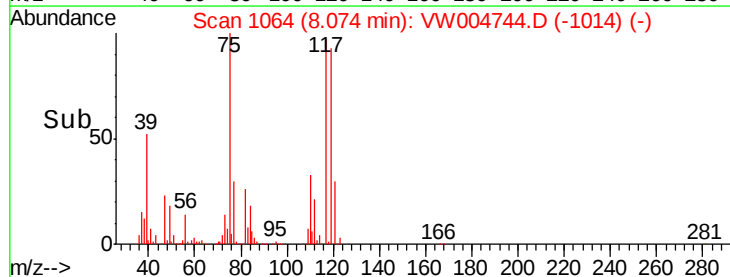
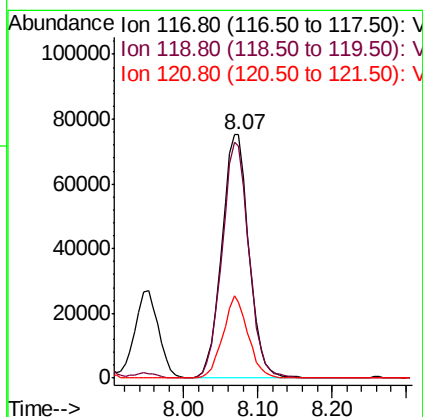
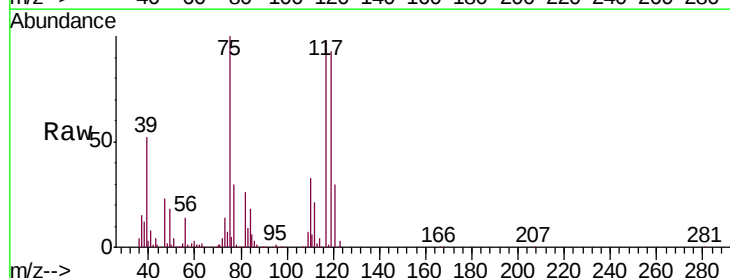
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

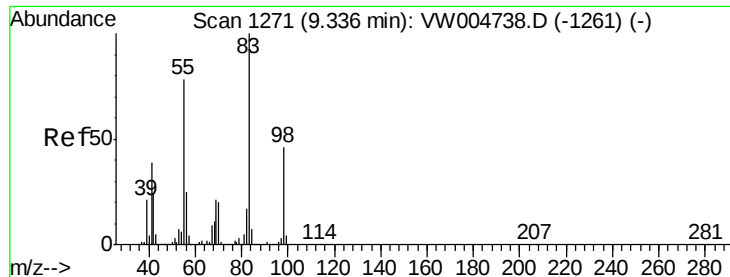
Tgt Ion: 43 Resp: 92662
 Ion Ratio Lower Upper
 43 100
 61 15.8 11.6 17.4
 70 10.9 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 20.253 ug/l
 RT: 8.07 min Scan# 1064
 Delta R.T. 0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 117 Resp: 190801
 Ion Ratio Lower Upper
 117 100
 119 95.3 78.0 117.0
 121 31.3 24.8 37.2

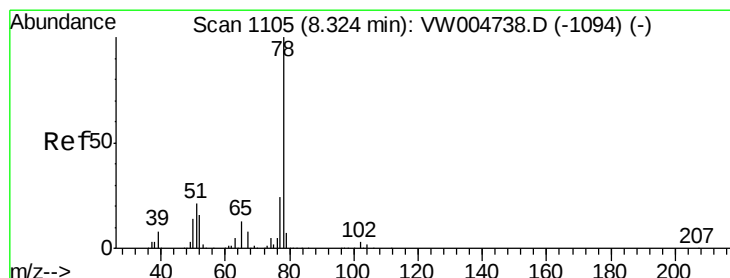
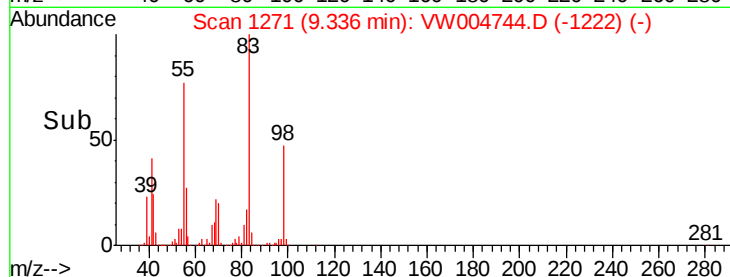
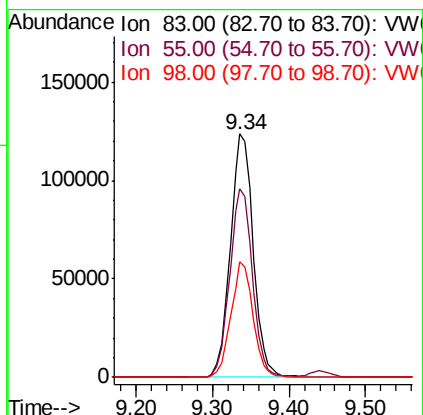
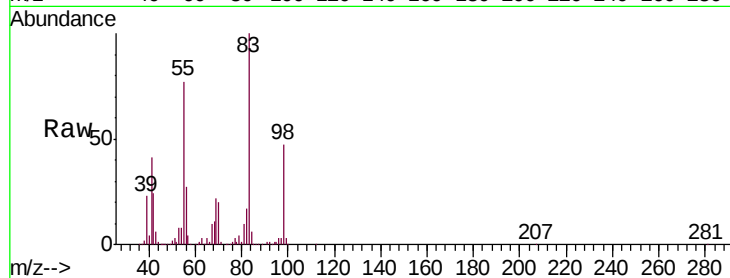




#39
Methylcyclohexane
Concen: 19.936 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

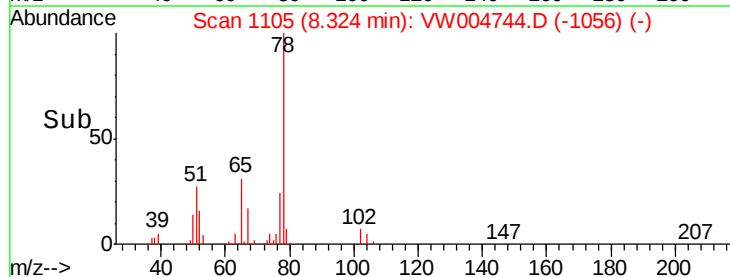
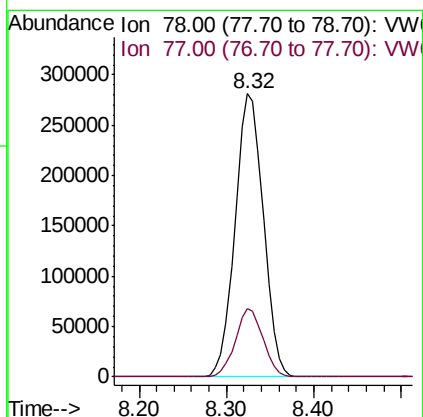
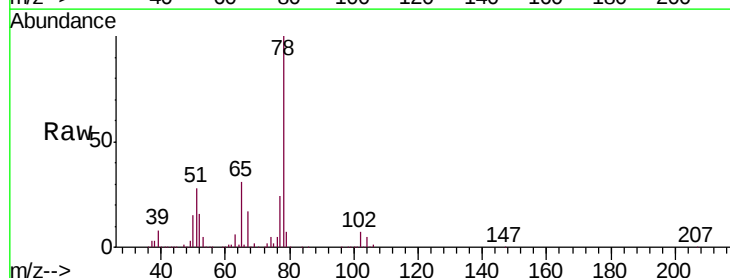
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

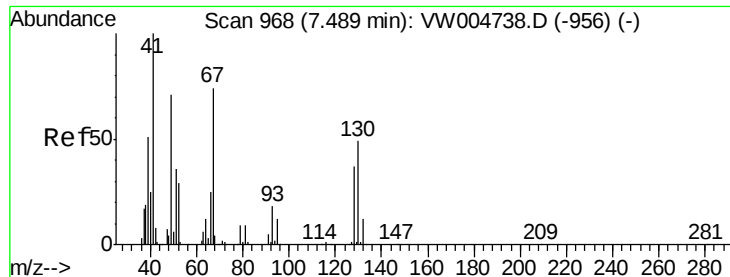
Tgt Ion: 83 Resp: 255155
Ion Ratio Lower Upper
83 100
55 77.3 62.4 93.6
98 47.3 36.5 54.7



#40
Benzene
Concen: 21.252 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 78 Resp: 632098
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6





#41

Methacrylonitrile

Concen: 24.188 ug/l

RT: 7.49 min Scan# 969

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

Tgt Ion: 41 Resp: 56004

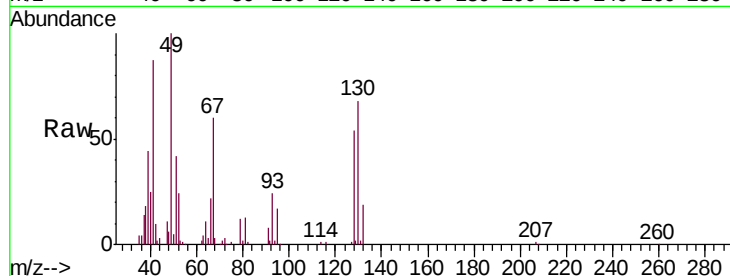
Ion Ratio Lower Upper

41 100

39 52.6 41.0 61.4

67 70.2 59.5 89.3

52 28.7 23.6 35.4

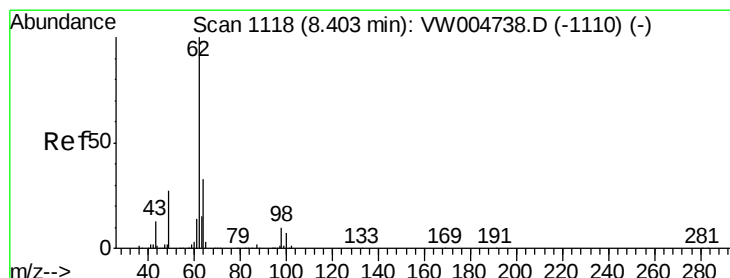
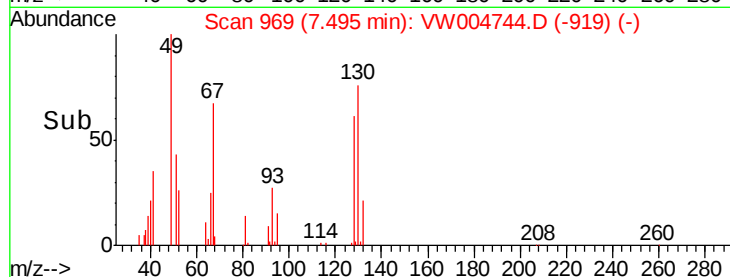
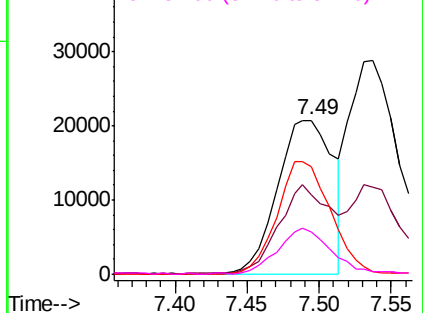


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 21.913 ug/l

RT: 8.40 min Scan# 1118

Delta R.T. 0.00 min

Lab File: VW004744.D

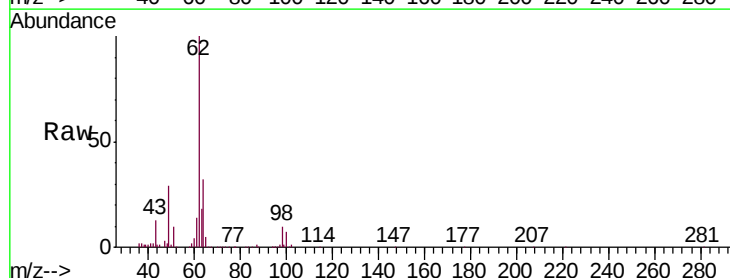
Acq: 17 Aug 2018 20:38

Tgt Ion: 62 Resp: 167130

Ion Ratio Lower Upper

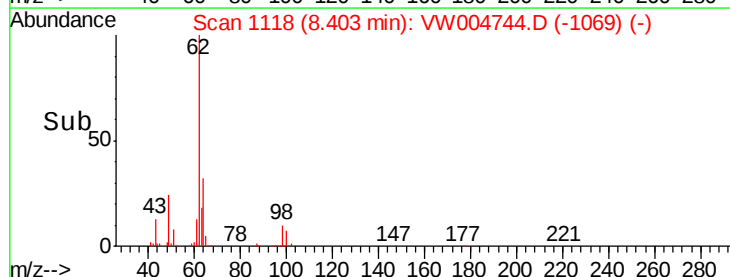
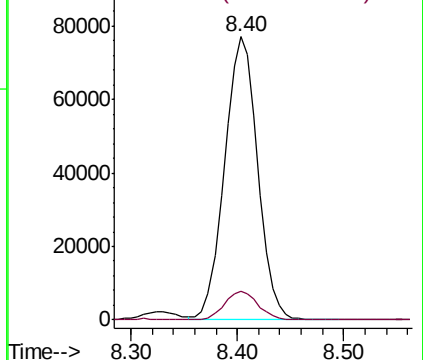
62 100

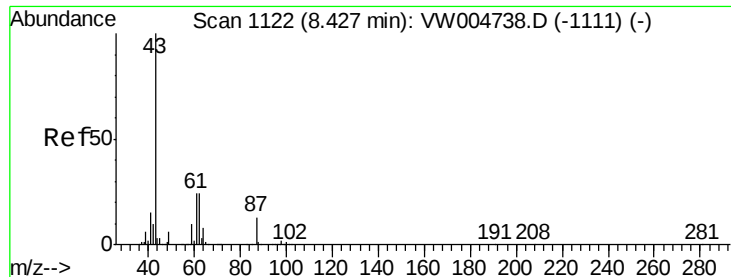
98 10.2 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 22.077 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

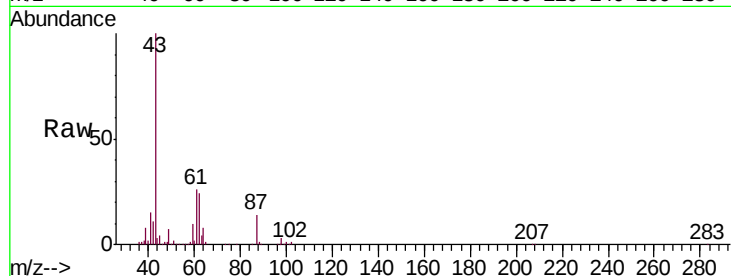
Tgt Ion: 43 Resp: 161784

Ion Ratio Lower Upper

43 100

61 33.1 26.2 39.4

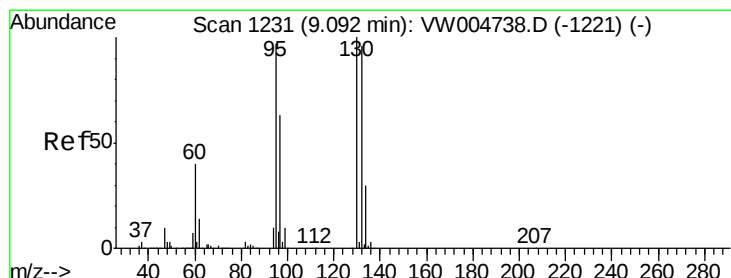
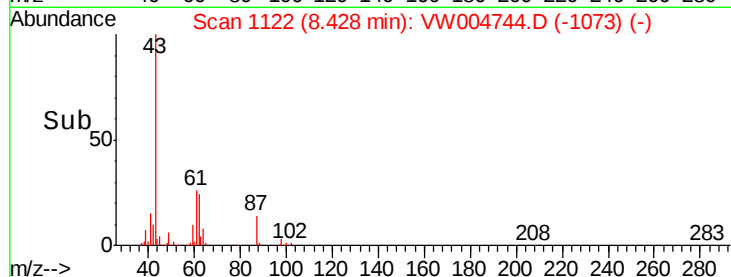
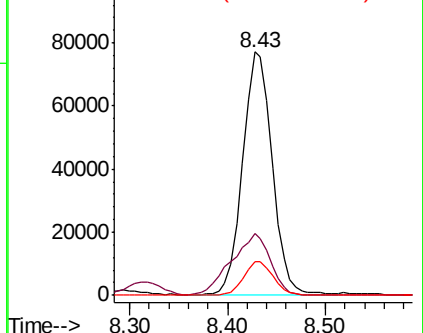
87 13.9 10.9 16.3



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



#44

Trichloroethene

Concen: 20.598 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. 0.00 min

Lab File: VW004744.D

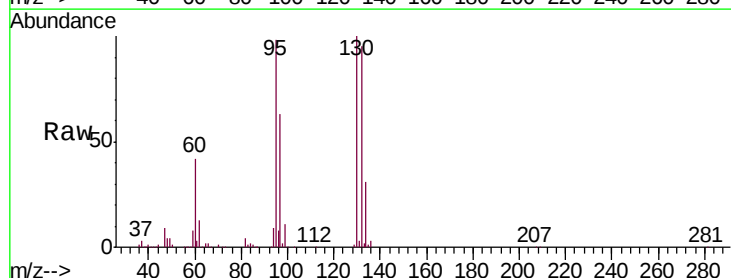
Acq: 17 Aug 2018 20:38

Tgt Ion: 130 Resp: 155520

Ion Ratio Lower Upper

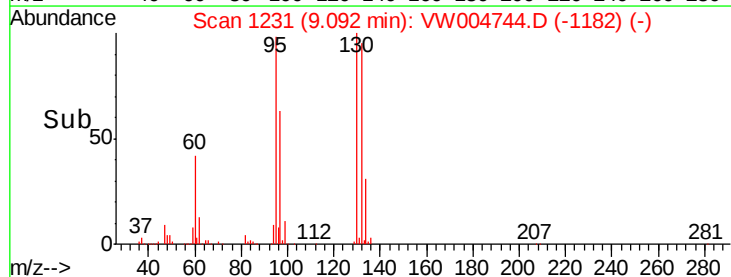
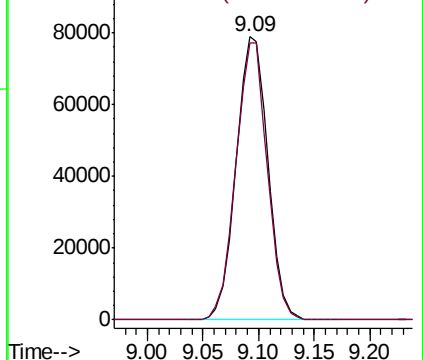
130 100

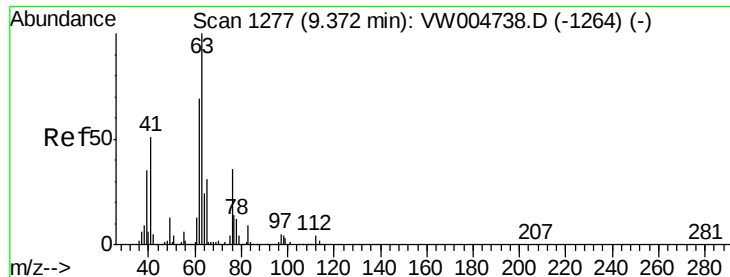
95 97.9 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 21.475 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

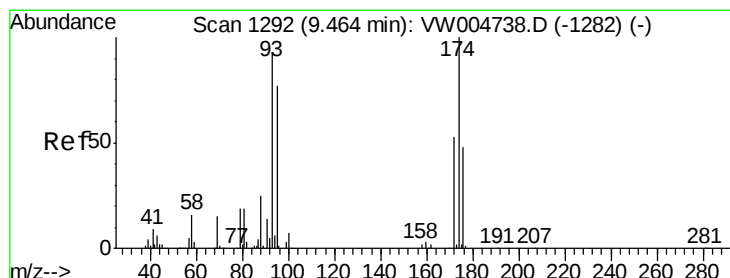
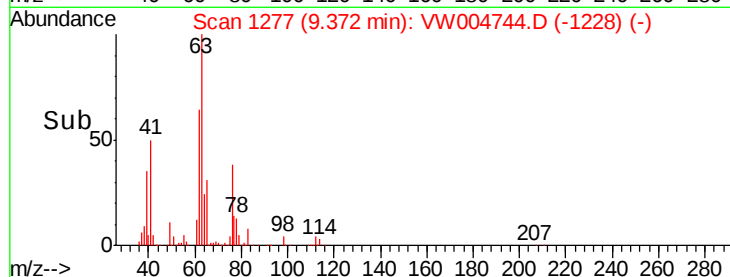
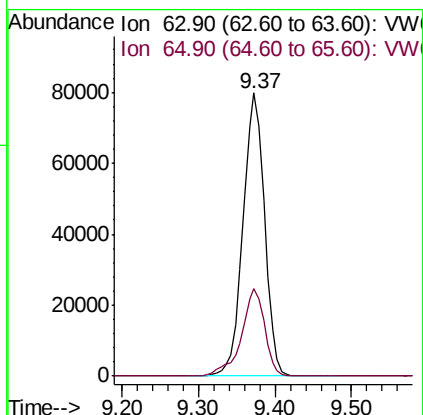
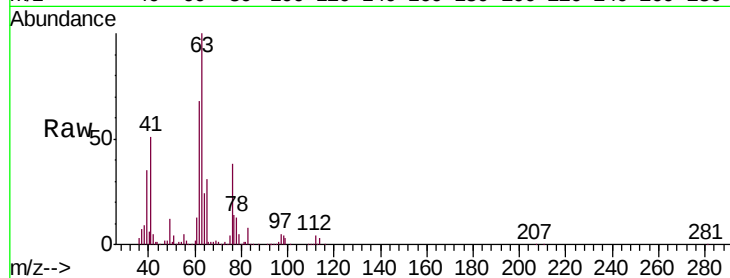
VW0819SBS01

Tgt Ion: 63 Resp: 156241

Ion Ratio Lower Upper

63 100

65 30.8 24.6 37.0



#46

Dibromomethane

Concen: 21.641 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

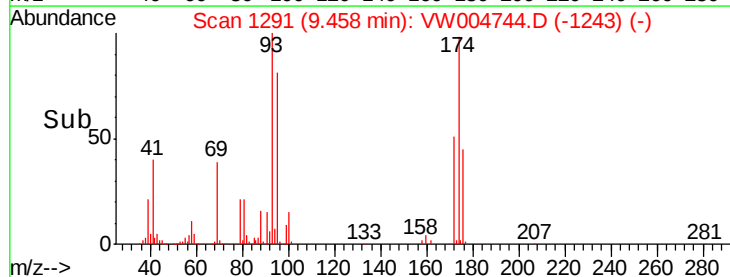
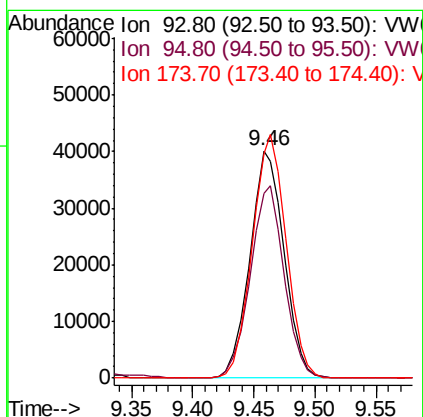
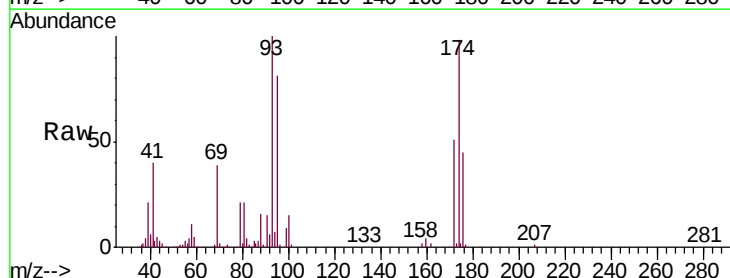
Tgt Ion: 93 Resp: 78001

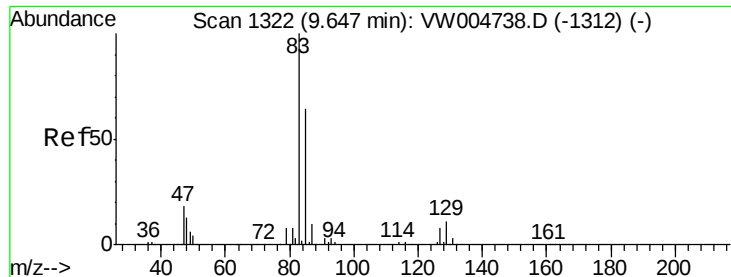
Ion Ratio Lower Upper

93 100

95 83.9 66.6 99.8

174 106.4 85.3 127.9





#47

Bromodichloromethane

Concen: 21.350 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

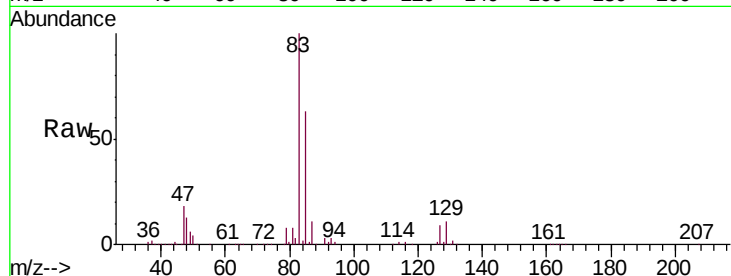
Tgt Ion: 83 Resp: 183778

Ion Ratio Lower Upper

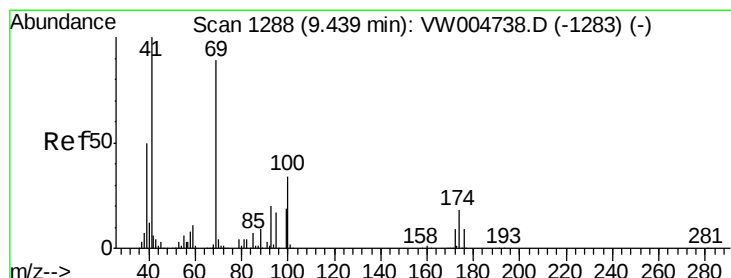
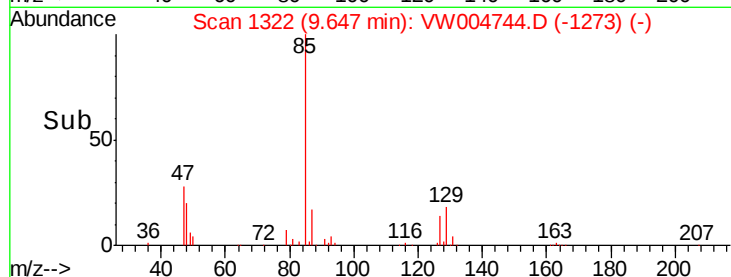
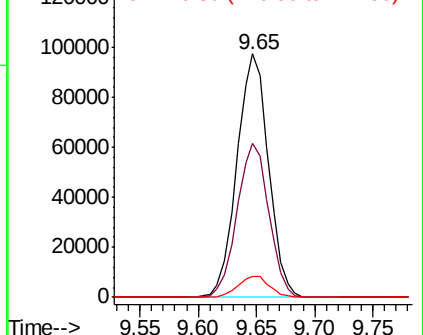
83 100

85 63.2 51.2 76.8

127 8.8 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

Methyl methacrylate

Concen: 21.661 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

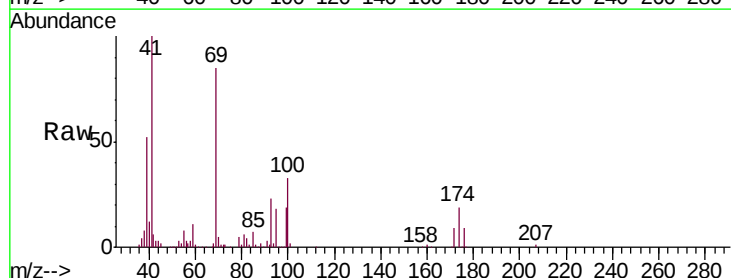
Tgt Ion: 41 Resp: 74484

Ion Ratio Lower Upper

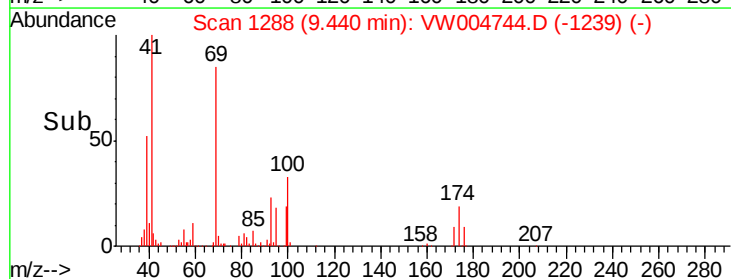
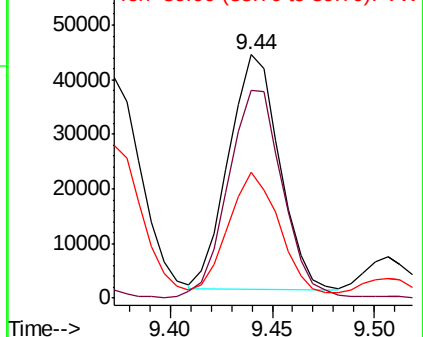
41 100

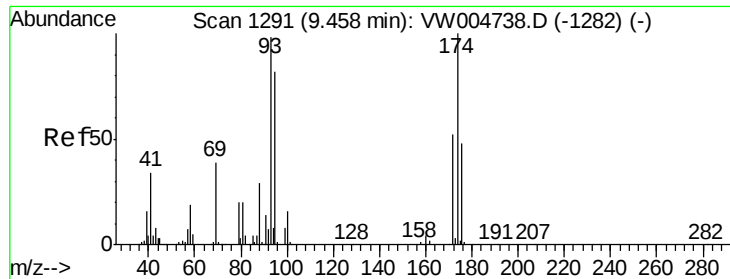
69 94.9 75.2 112.8

39 55.5 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 39.00 (38.70 to 39.70): VW





#49

1,4-Dioxane

Concen: 442.203 ug/l

RT: 9.47 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

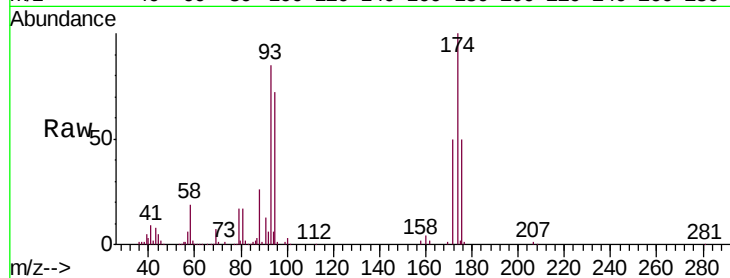
Tgt Ion: 88 Resp: 23286

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

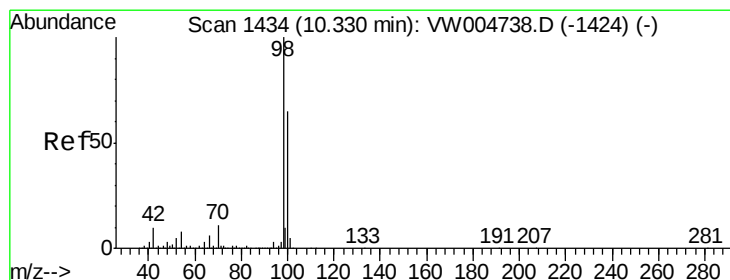
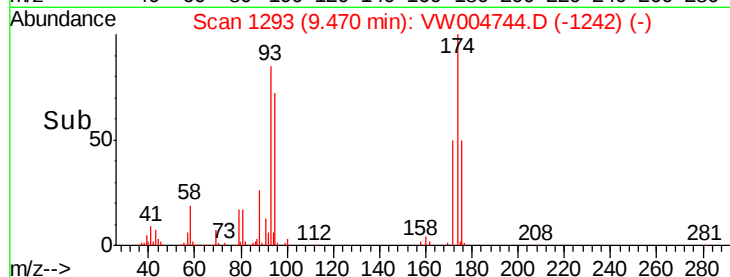
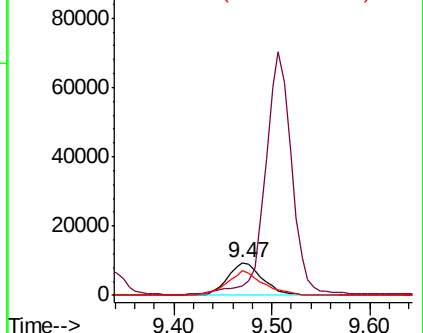
58 78.5 60.0 90.0



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 52.208 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW004744.D

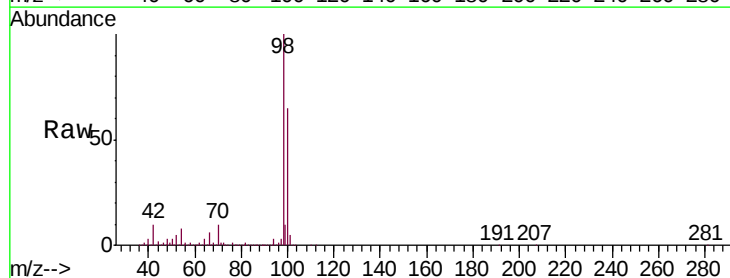
Acq: 17 Aug 2018 20:38

Tgt Ion: 98 Resp: 1294010

Ion Ratio Lower Upper

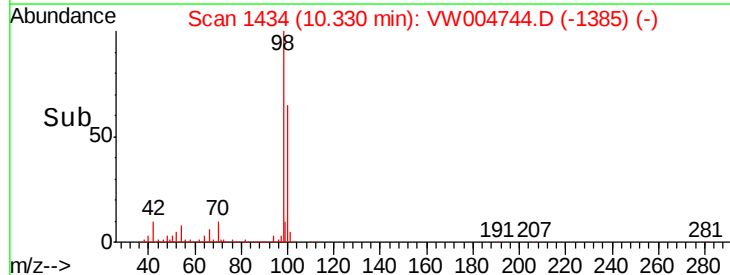
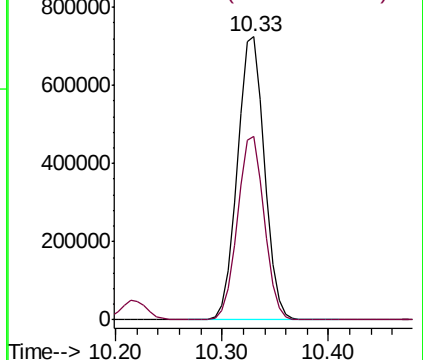
98 100

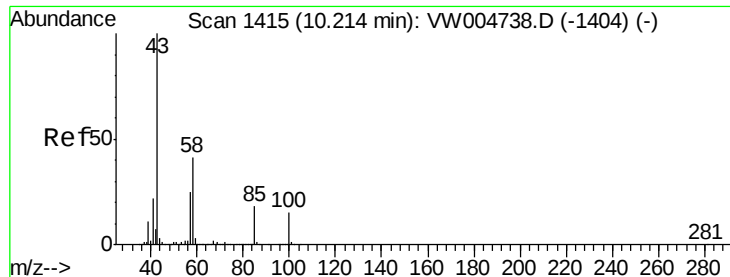
100 64.4 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

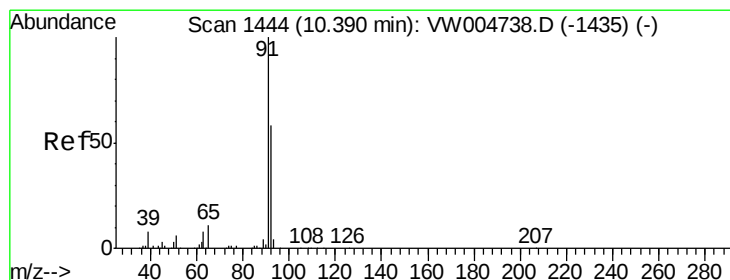
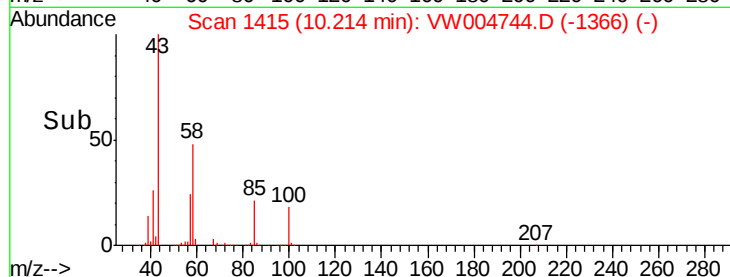
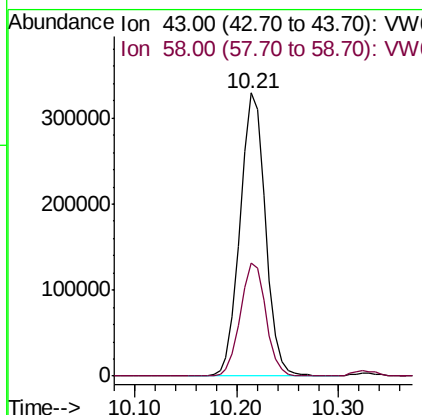
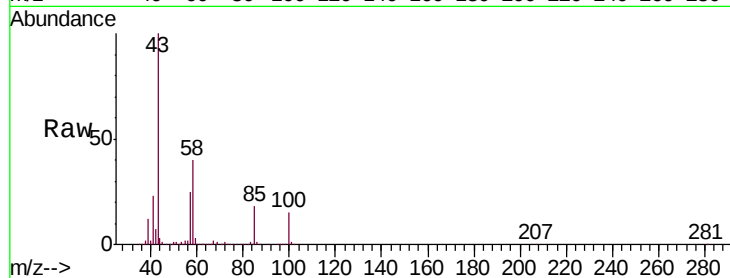




#51
 4-Methyl-2-Pentanone
 Concen: 114.497 ug/l
 RT: 10.21 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

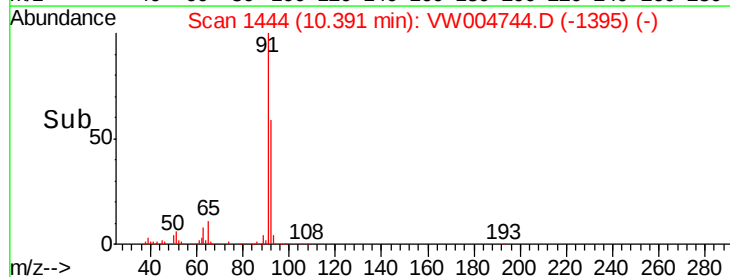
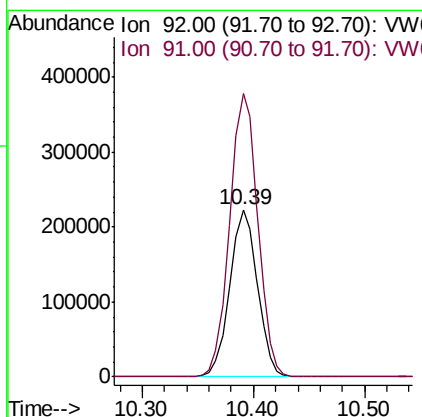
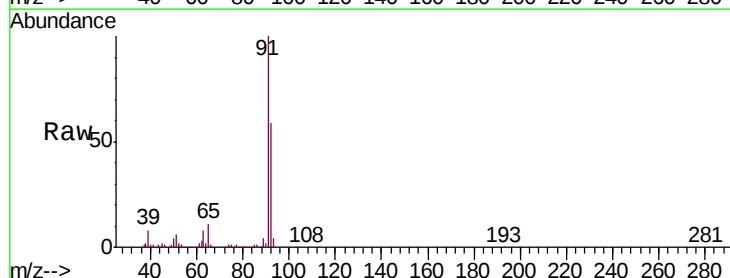
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

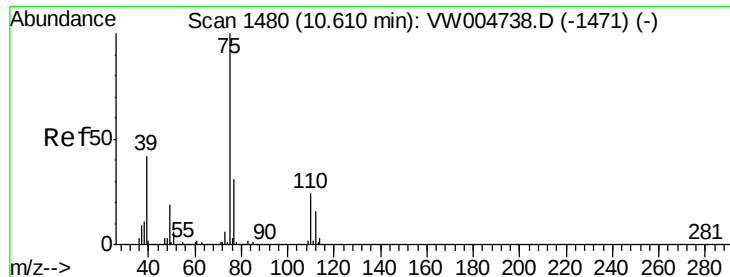
Tgt Ion: 43 Resp: 567065
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.7 49.1



#52
 Toluene
 Concen: 21.474 ug/l
 RT: 10.39 min Scan# 1444
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 92 Resp: 383059
 Ion Ratio Lower Upper
 92 100
 91 172.4 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 21.285 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

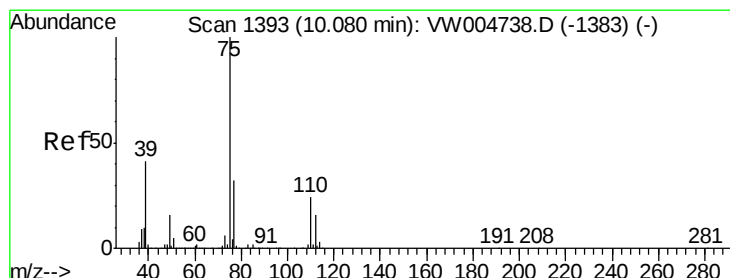
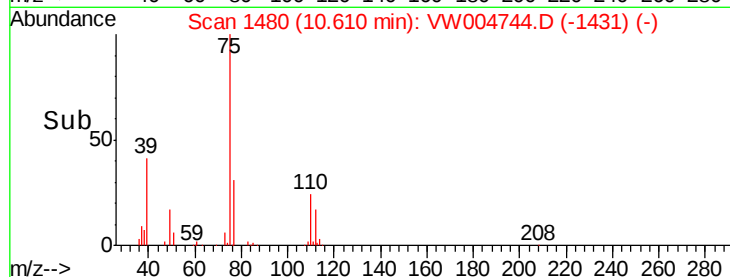
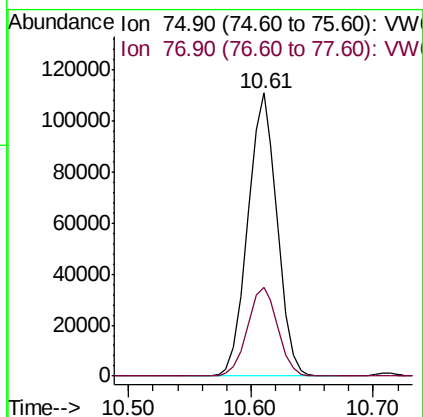
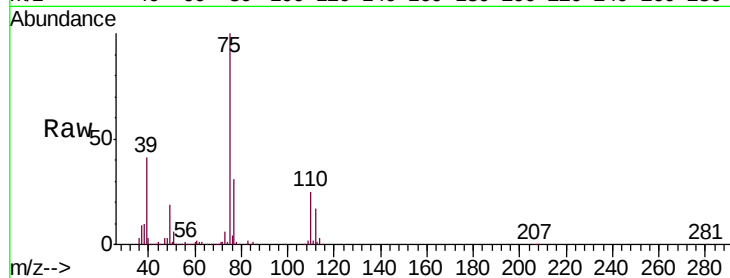
VW0819SBS01

Tgt Ion: 75 Resp: 184599

Ion Ratio Lower Upper

75 100

77 31.1 24.8 37.2



#54

cis-1,3-Dichloropropene

Concen: 21.162 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

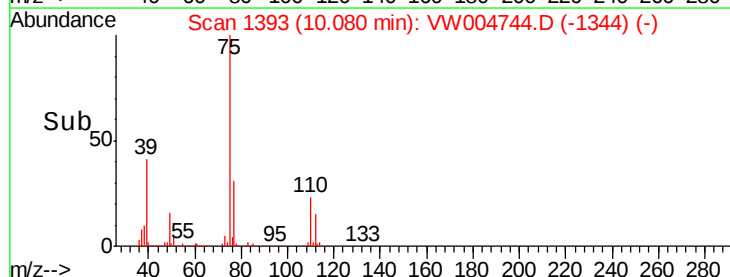
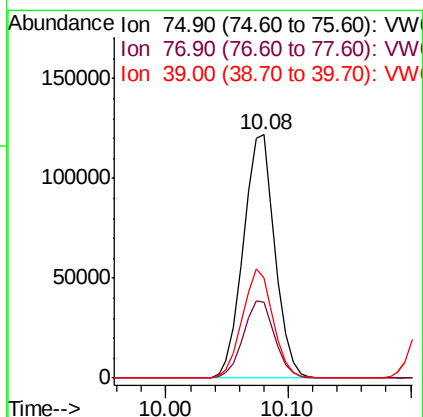
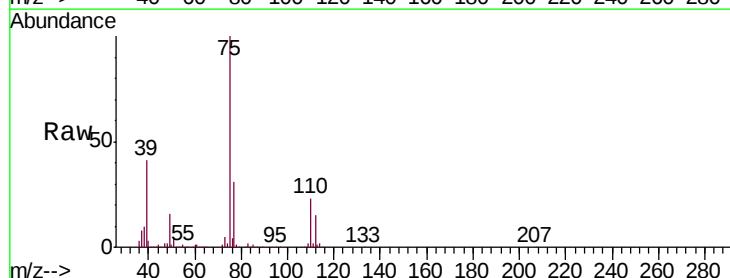
Tgt Ion: 75 Resp: 218791

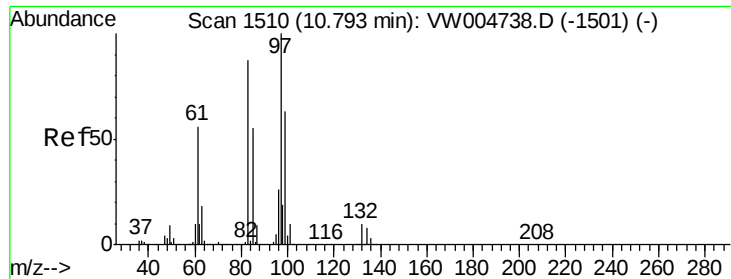
Ion Ratio Lower Upper

75 100

77 31.2 25.6 38.4

39 41.3 33.0 49.4

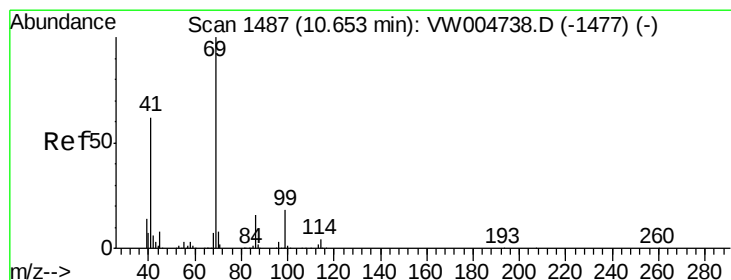
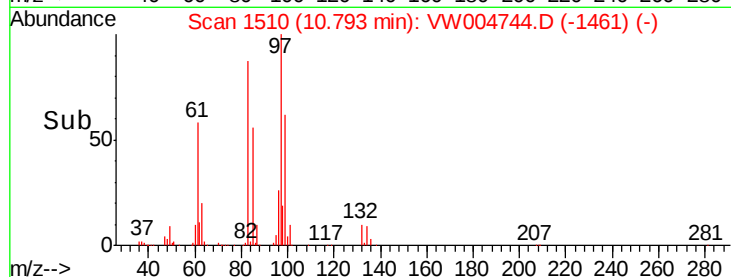
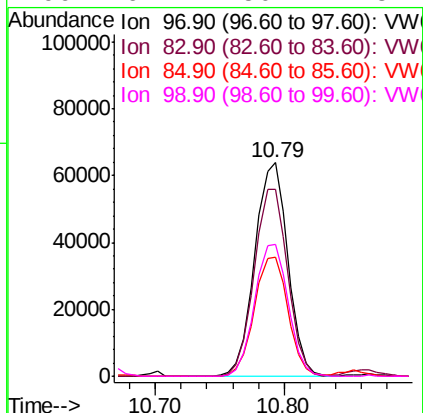
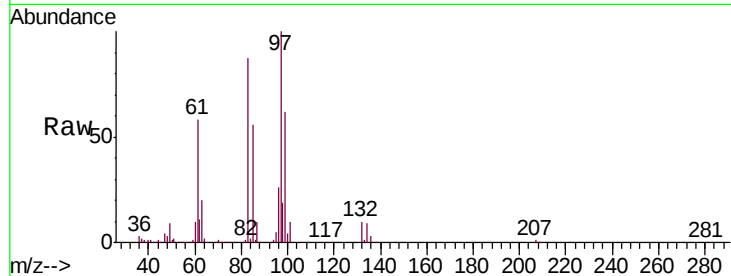




#55
 1,1,2-Trichloroethane
 Concen: 22.065 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

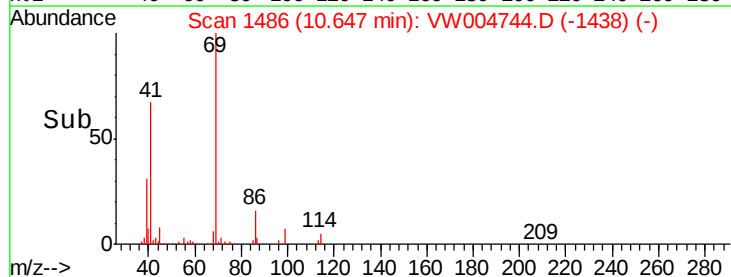
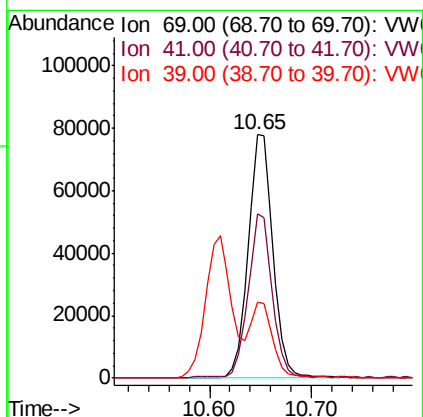
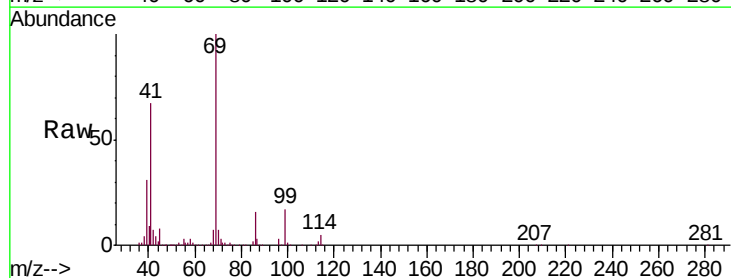
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

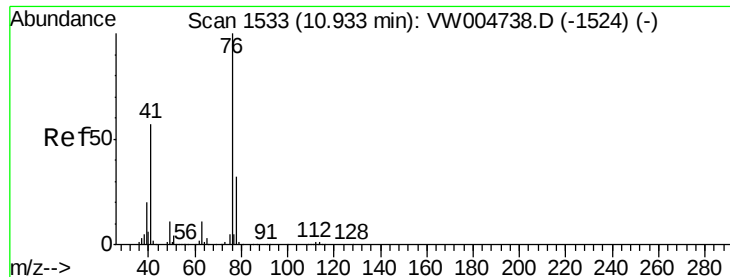
Tgt Ion:	97	Resp:	113049
Ion	Ratio	Lower	Upper
97	100		
83	87.2	69.4	104.2
85	55.7	44.3	66.5
99	61.7	50.2	75.2



#56
 Ethyl methacrylate
 Concen: 21.527 ug/l
 RT: 10.65 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion:	69	Resp:	132006
Ion	Ratio	Lower	Upper
69	100		
41	65.0	50.7	76.1
39	26.8	21.4	32.2





#57

1,3-Dichloropropane

Concen: 22.218 ug/l

RT: 10.93 min Scan# 1533

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

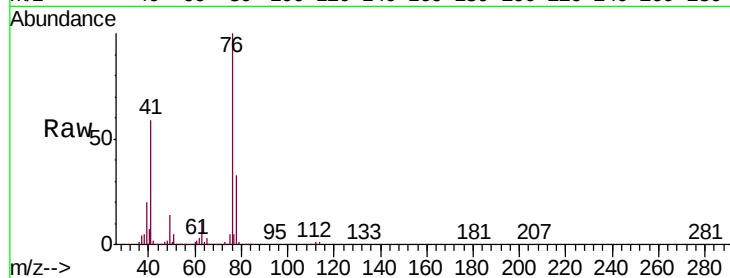
VW0819SBS01

Tgt Ion: 76 Resp: 196498

Ion Ratio Lower Upper

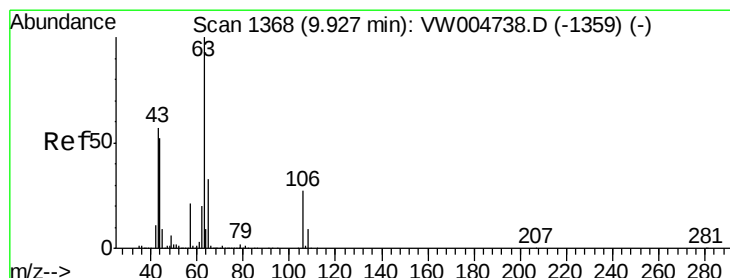
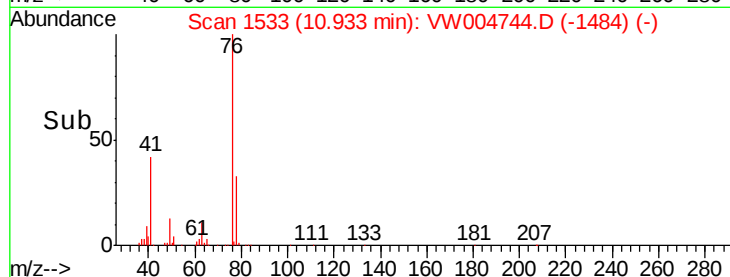
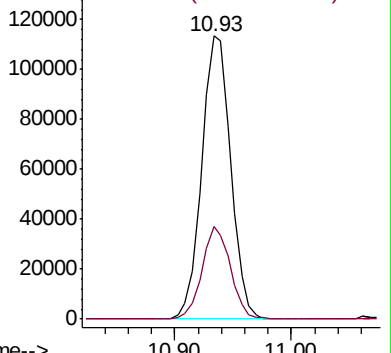
76 100

78 32.0 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#58

2-Chloroethyl Vinyl ether

Concen: 112.742 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW004744.D

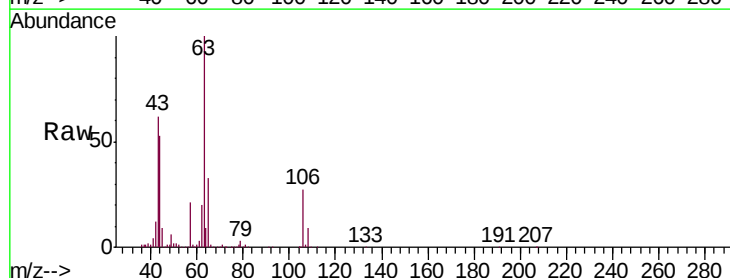
Acq: 17 Aug 2018 20:38

Tgt Ion: 63 Resp: 319001

Ion Ratio Lower Upper

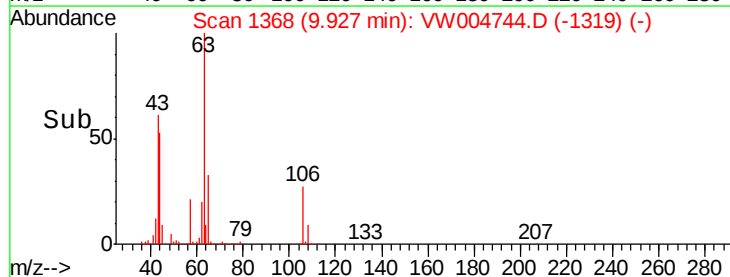
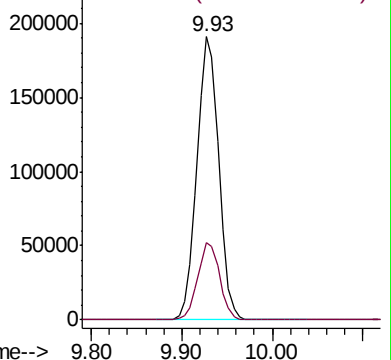
63 100

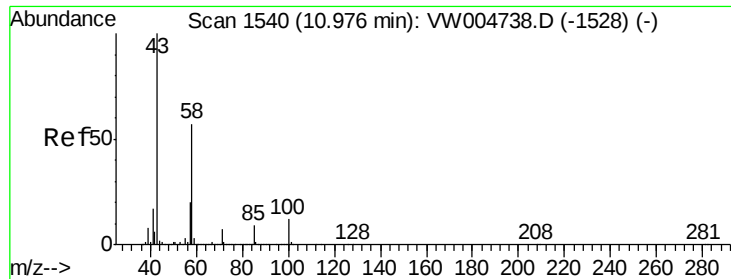
106 27.2 22.1 33.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

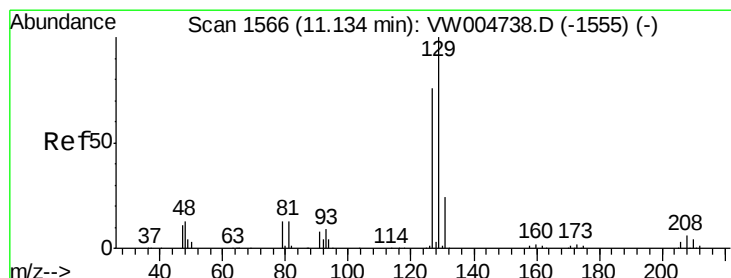
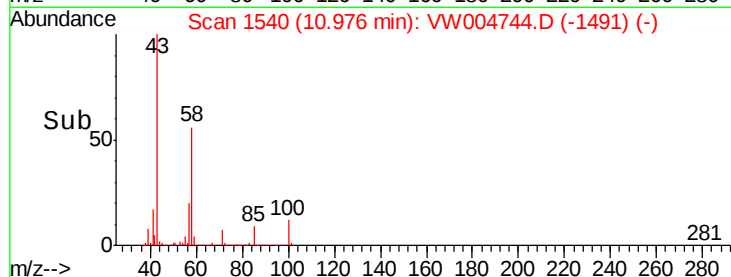
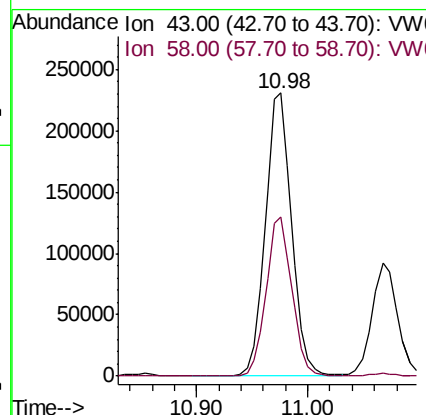
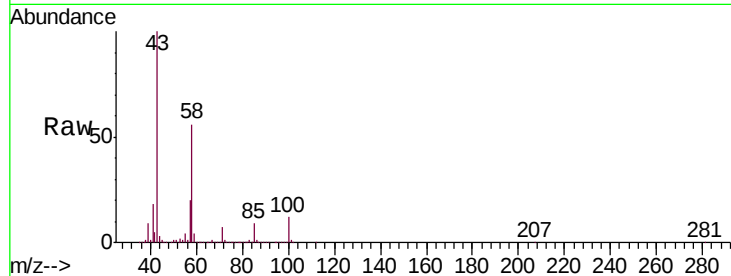




#59
2-Hexanone
Concen: 113.106 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

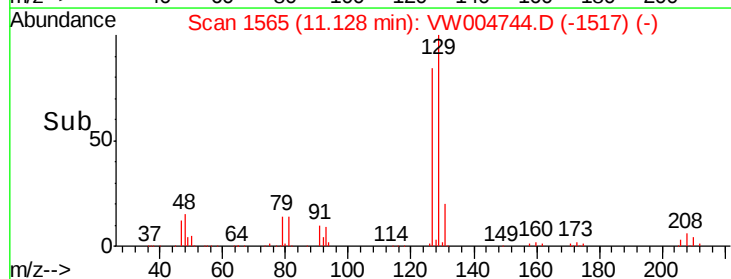
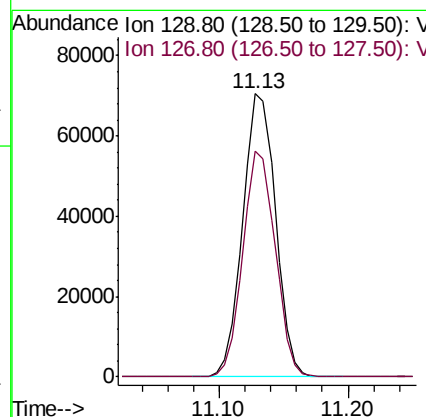
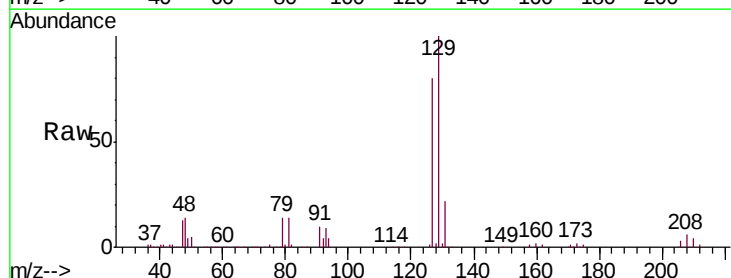
Instrument :
MSVOA_W
ClientSampled :
VW0819SBS01

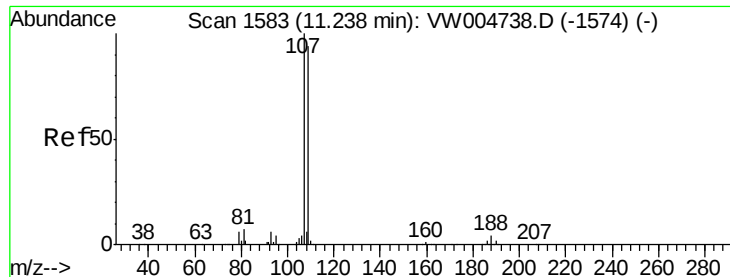
Tgt Ion: 43 Resp: 379557
Ion Ratio Lower Upper
43 100
58 55.3 28.1 84.4



#60
Dibromochloromethane
Concen: 21.636 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion: 129 Resp: 124370
Ion Ratio Lower Upper
129 100
127 78.8 38.5 115.5

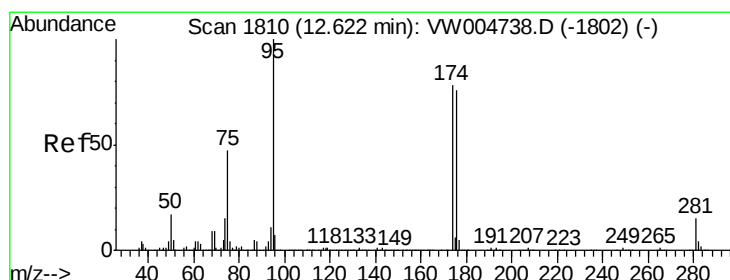
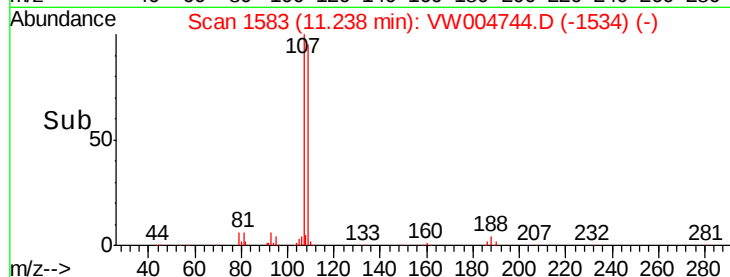
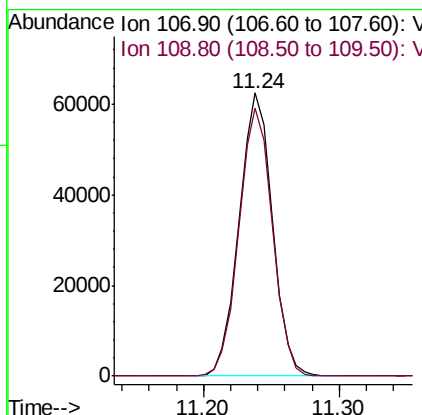
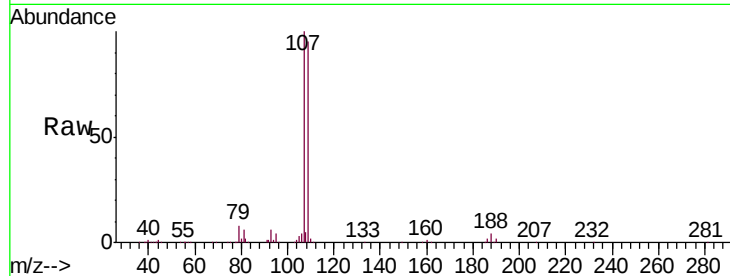




#61
 1,2-Dibromoethane
 Concen: 21.776 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

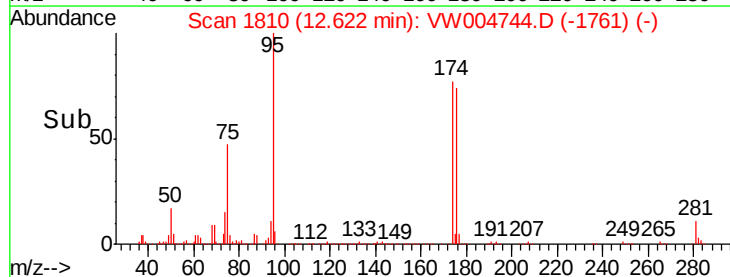
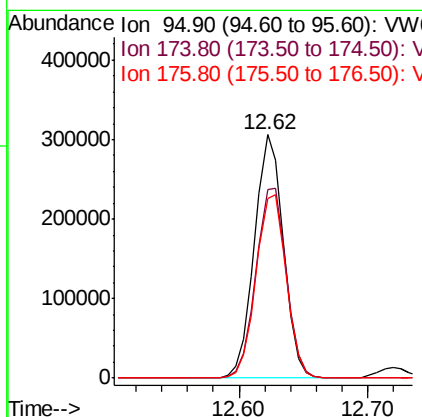
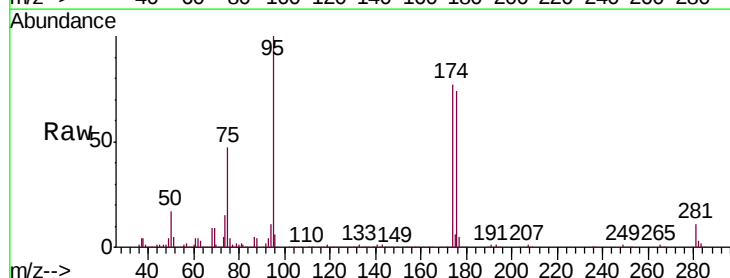
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

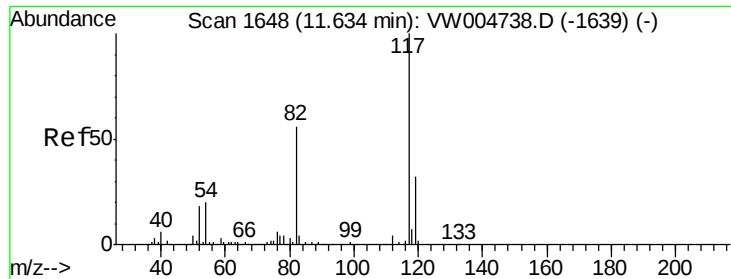
Tgt Ion: 107 Resp: 106645
 Ion Ratio Lower Upper
 107 100
 109 95.5 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 53.152 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 95 Resp: 473954
 Ion Ratio Lower Upper
 95 100
 174 81.8 0.0 165.8
 176 78.6 0.0 159.8

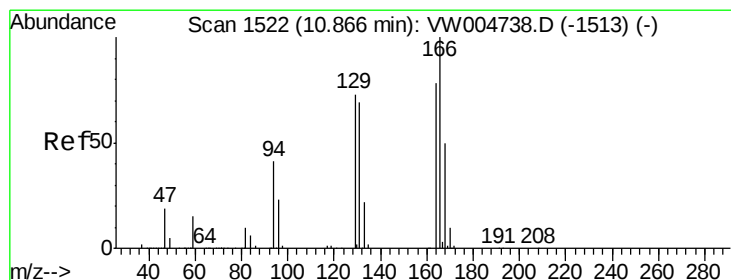
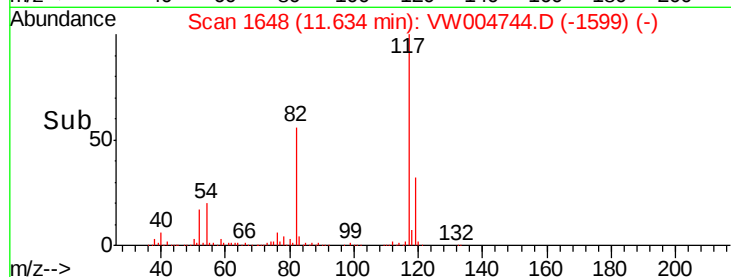
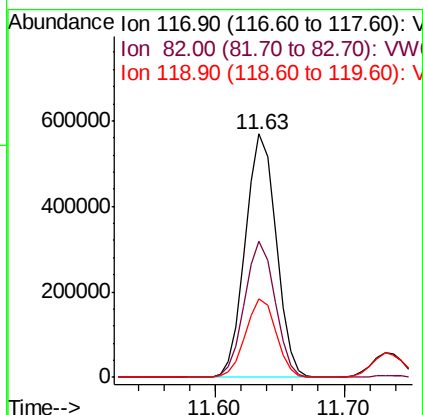
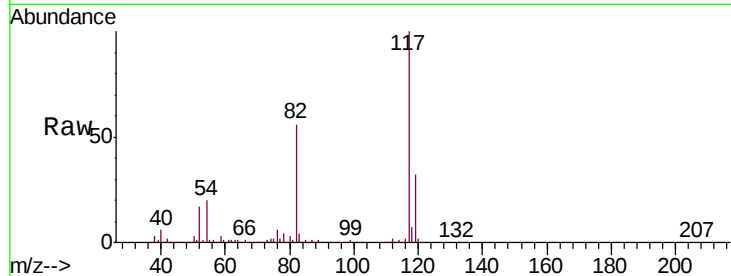




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

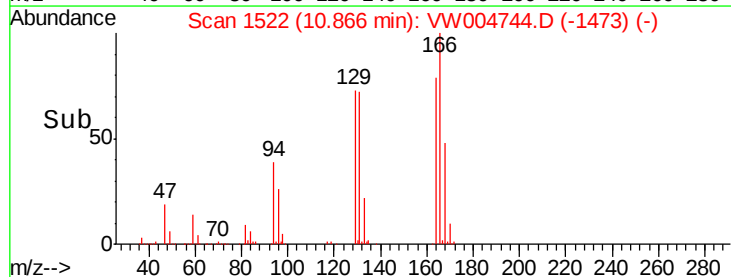
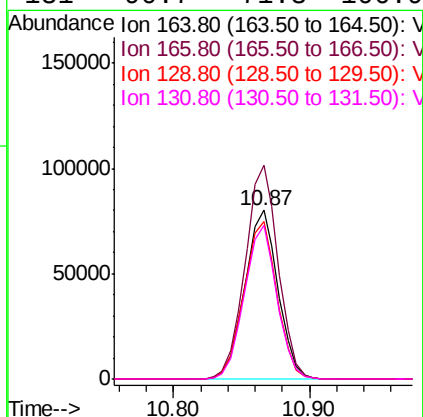
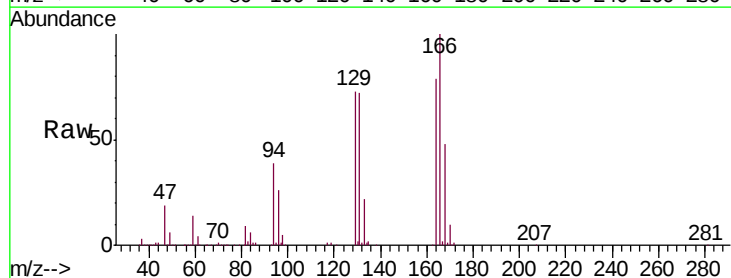
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

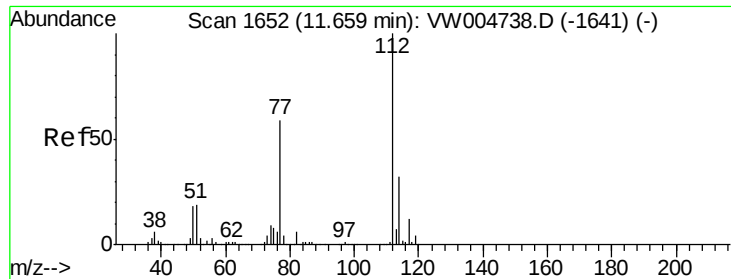
Tgt Ion:117 Resp: 941449
Ion Ratio Lower Upper
117 100
82 56.0 44.6 67.0
119 32.2 25.6 38.4



#64
Tetrachloroethene
Concen: 21.222 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion:164 Resp: 136542
Ion Ratio Lower Upper
164 100
166 126.7 102.5 153.7
129 93.1 75.1 112.7
131 90.7 71.3 106.9





#65

Chlorobenzene

Concen: 20.922 ug/l

RT: 11.66 min Scan# 1652

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampled :

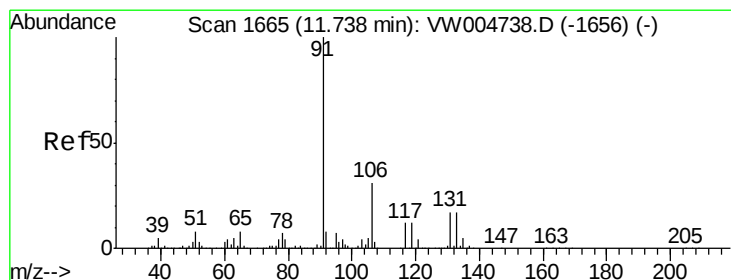
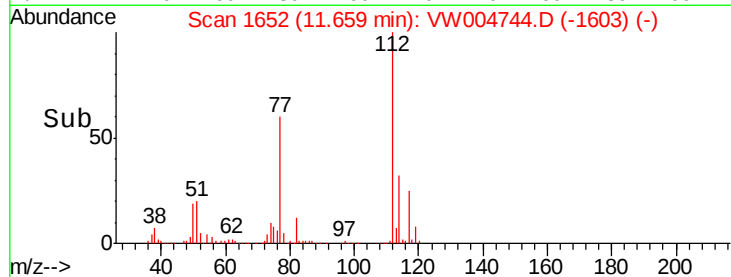
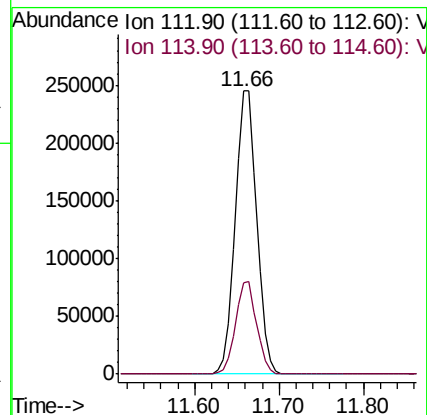
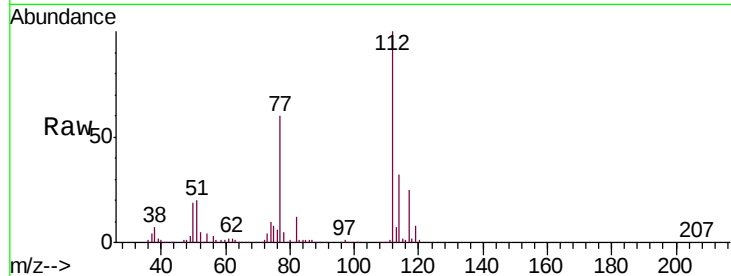
VW0819SBS01

Tgt Ion:112 Resp: 423941

Ion Ratio Lower Upper

112 100

114 32.1 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.894 ug/l

RT: 11.73 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

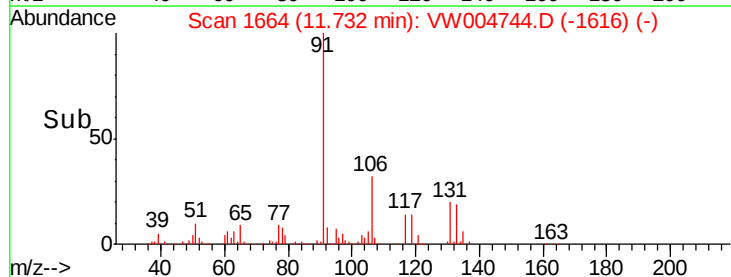
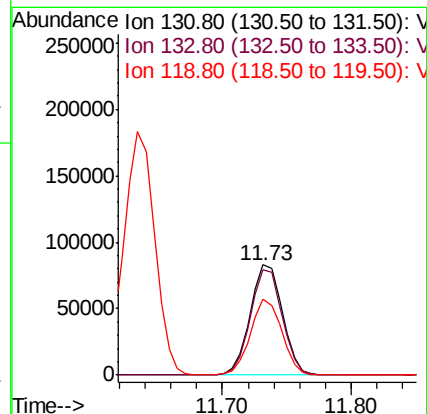
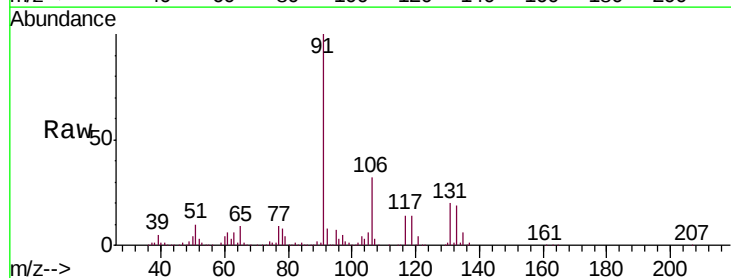
Tgt Ion:131 Resp: 142954

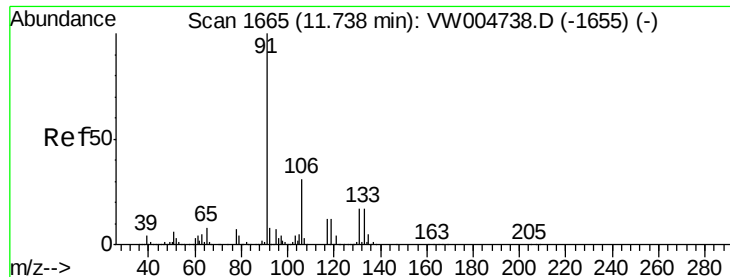
Ion Ratio Lower Upper

131 100

133 94.7 48.2 144.6

119 67.2 34.0 102.0





#67

Ethyl Benzene

Concen: 20.656 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

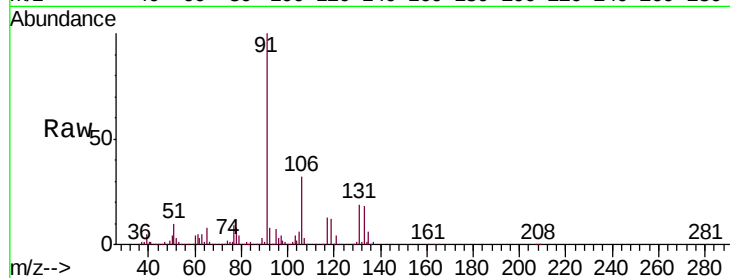
VW0819SBS01

Tgt Ion: 91 Resp: 709552

Ion Ratio Lower Upper

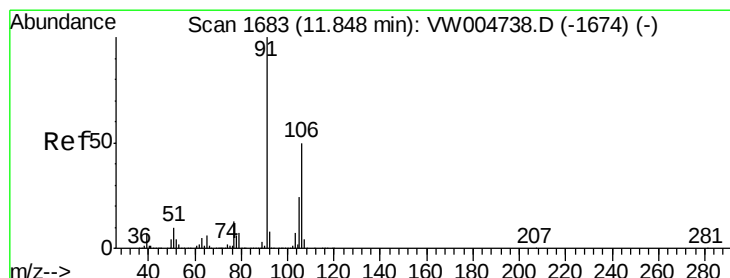
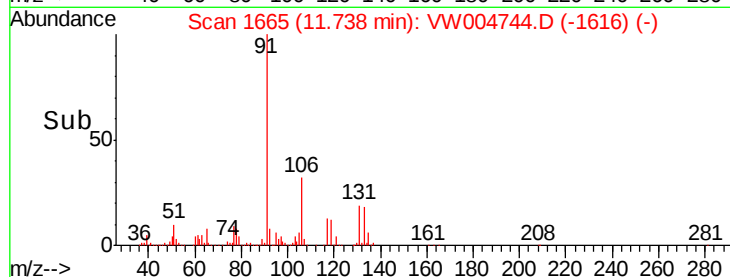
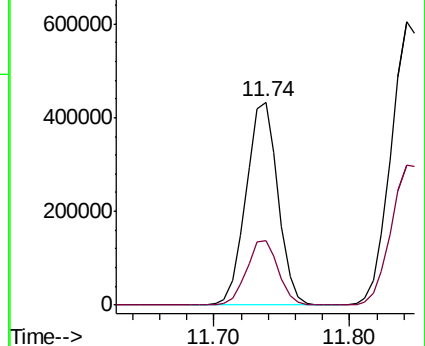
91 100

106 32.0 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: 42.444 ug/l

RT: 11.84 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VW004744.D

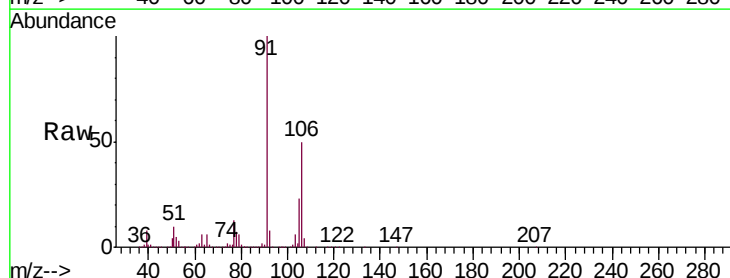
Acq: 17 Aug 2018 20:38

Tgt Ion: 106 Resp: 567251

Ion Ratio Lower Upper

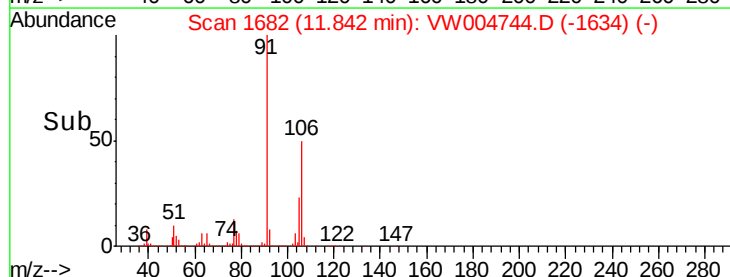
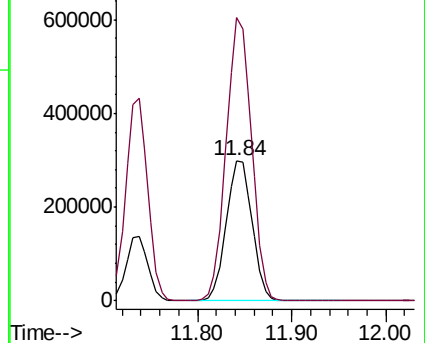
106 100

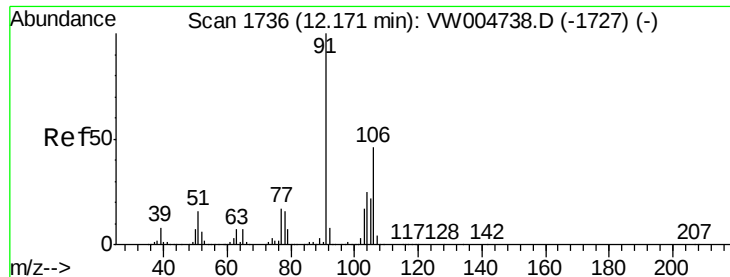
91 198.5 159.9 239.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

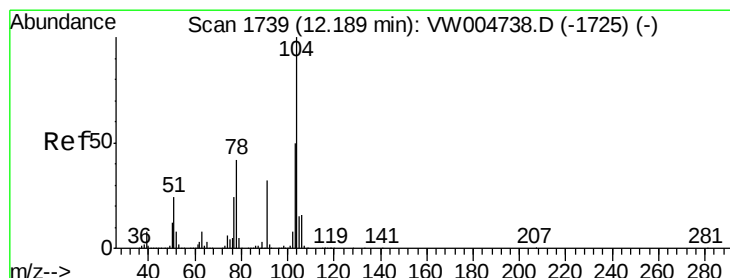
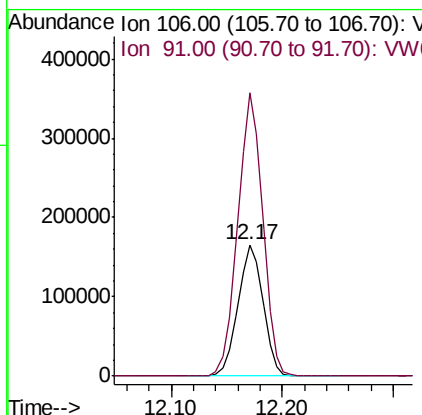
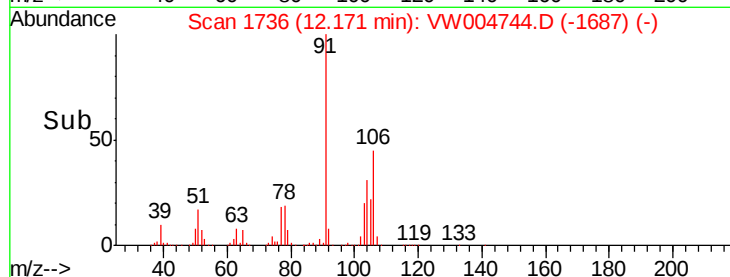
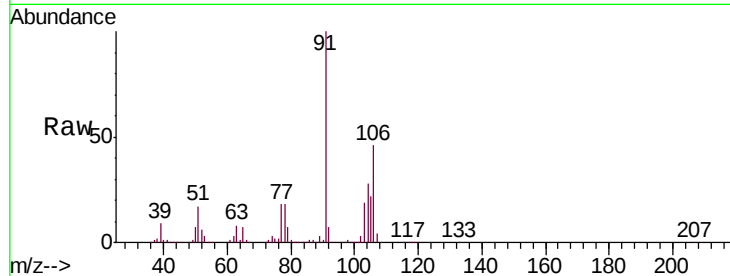




#69
o-Xylene
Concen: 20.875 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

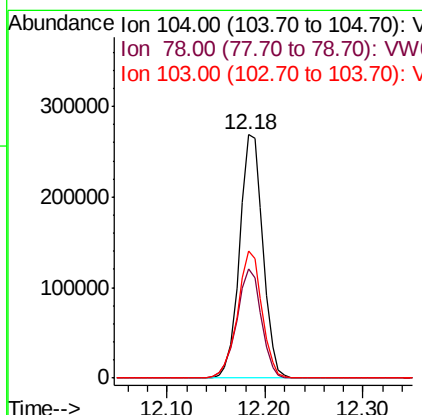
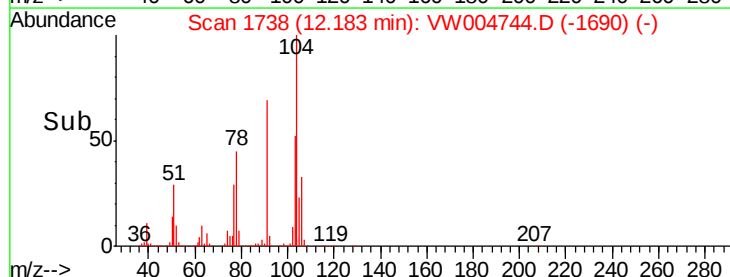
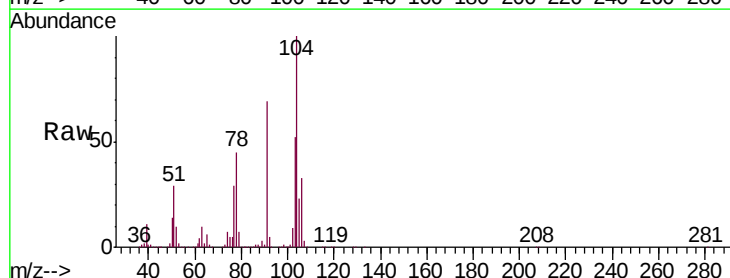
Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

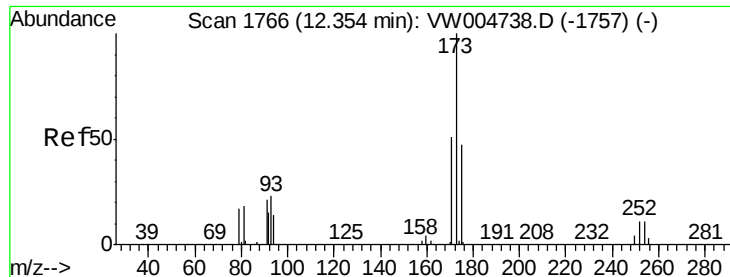
Tgt Ion:106 Resp: 258275
Ion Ratio Lower Upper
106 100
91 214.8 107.3 321.8



#70
Styrene
Concen: 21.336 ug/l
RT: 12.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion:104 Resp: 443419
Ion Ratio Lower Upper
104 100
78 47.4 38.4 57.6
103 54.7 44.1 66.1





#71

Bromoform

Concen: 21.585 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

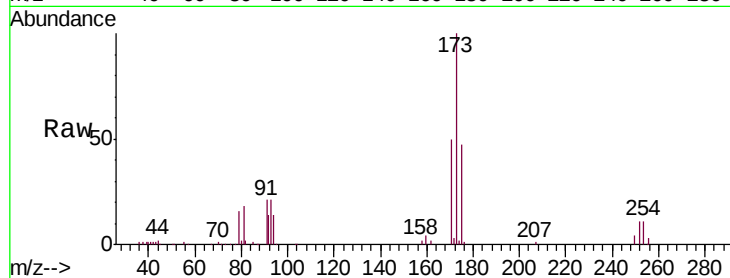
Tgt Ion:173 Resp: 77948

Ion Ratio Lower Upper

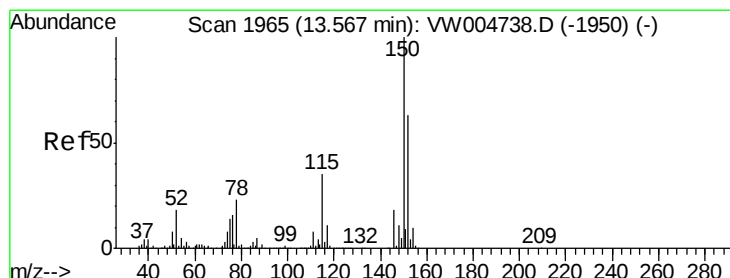
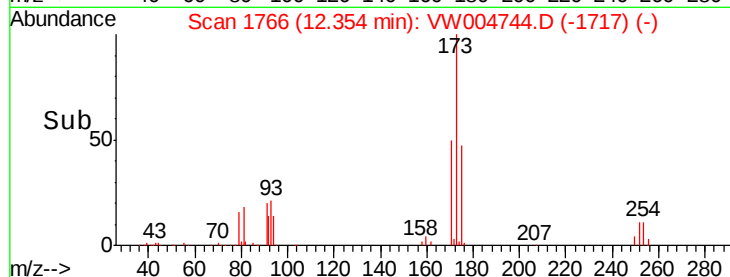
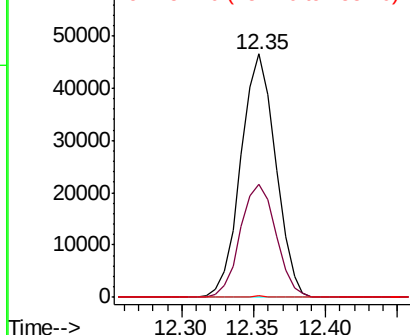
173 100

175 47.9 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: 50.000 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

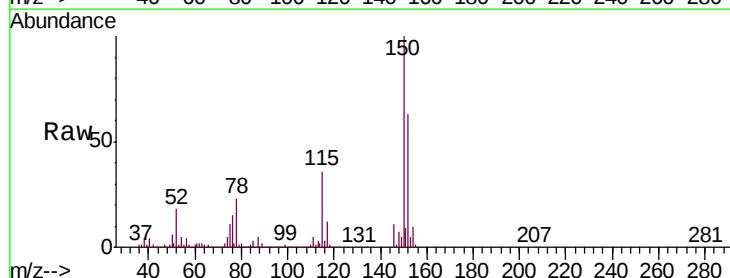
Tgt Ion:152 Resp: 508605

Ion Ratio Lower Upper

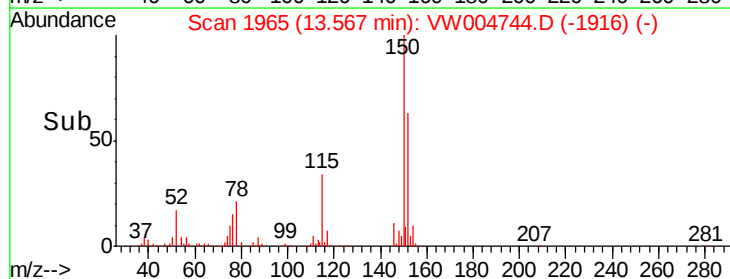
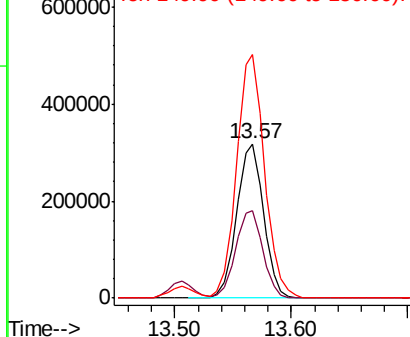
152 100

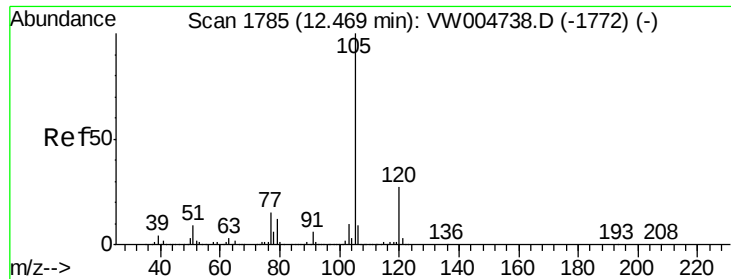
115 57.7 28.5 85.5

150 164.7 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: 20.514 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

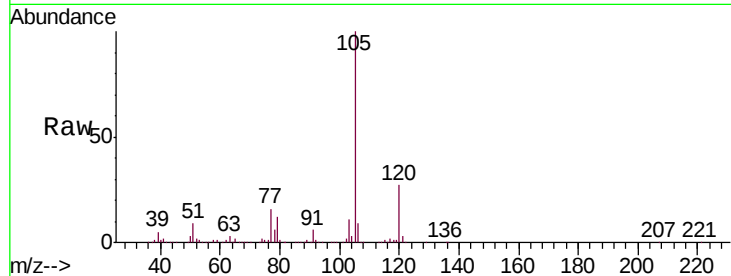
VW0819SBS01

Tgt Ion:105 Resp: 709811

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.47

500000

400000

300000

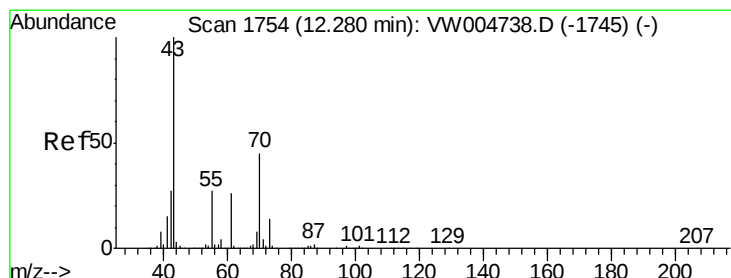
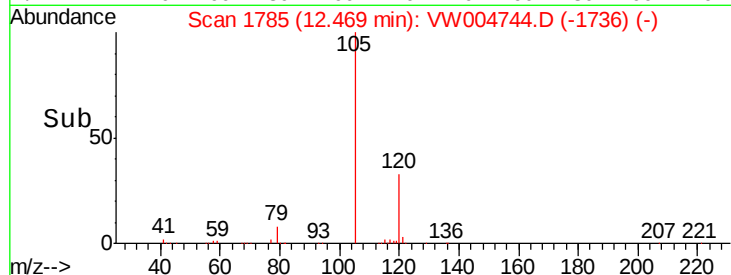
200000

100000

0

Time-->

12.40 12.50



#74

N-ethyl acetate

Concen: 21.984 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Tgt Ion: 43 Resp: 158315

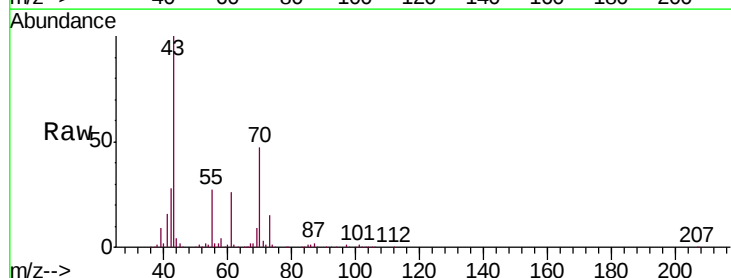
Ion Ratio Lower Upper

43 100

70 46.0 36.3 54.5

55 28.4 22.6 33.8

61 24.8 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

12.28

150000

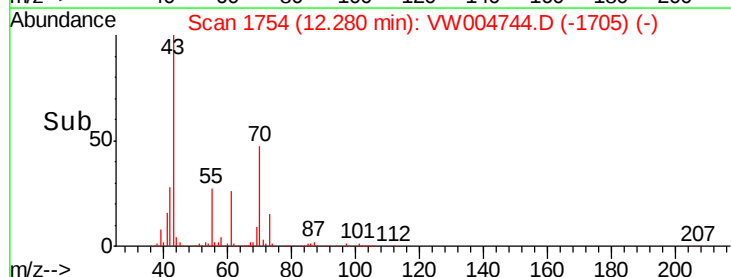
100000

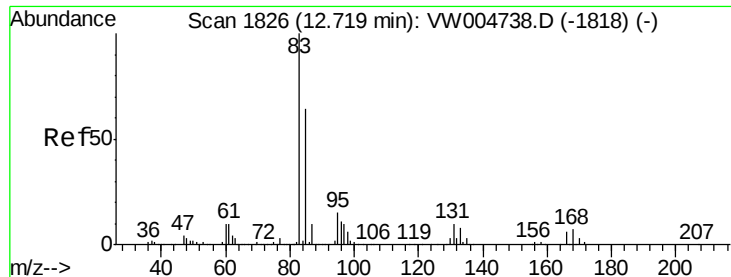
50000

0

Time-->

12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.601 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

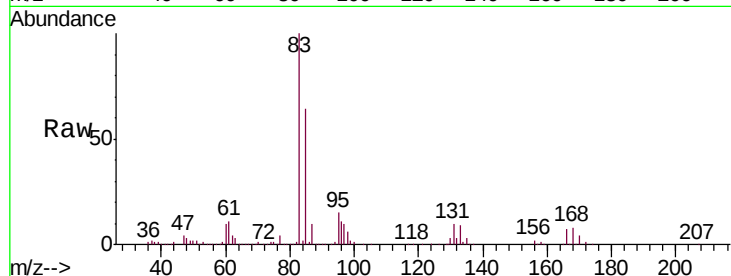
Tgt Ion: 83 Resp: 138455

Ion Ratio Lower Upper

83 100

131 10.4 5.3 15.8

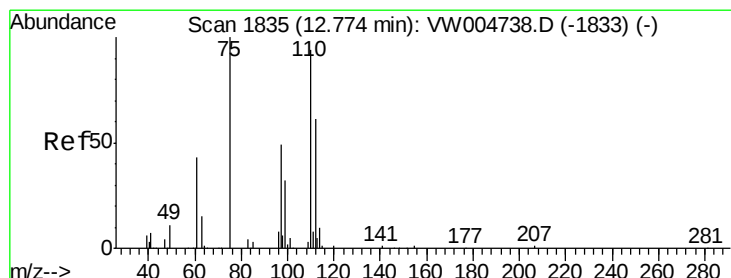
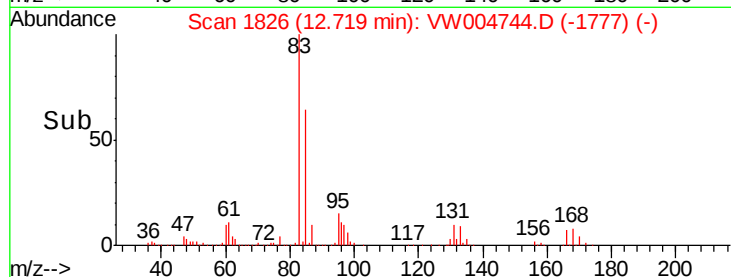
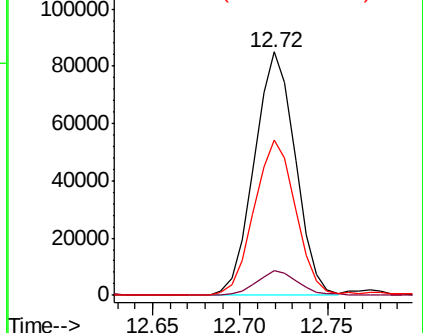
85 64.8 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.958 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VW004744.D

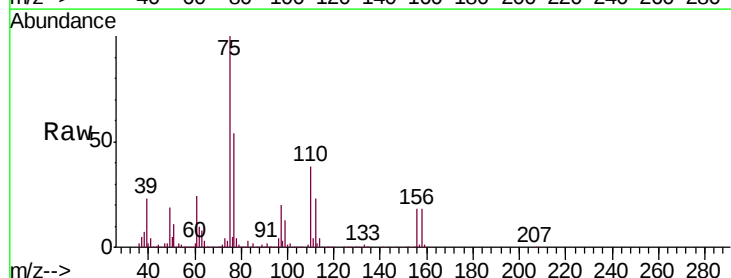
Acq: 17 Aug 2018 20:38

Tgt Ion: 75 Resp: 174668

Ion Ratio Lower Upper

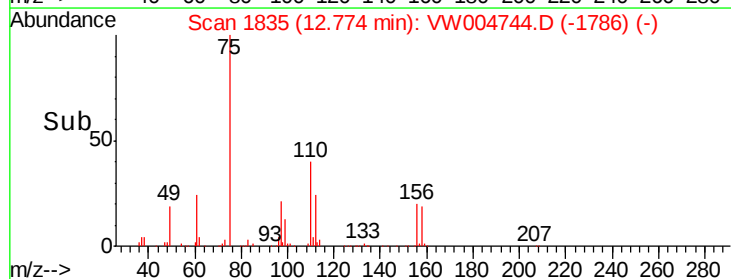
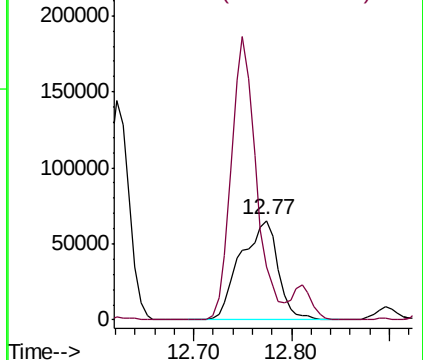
75 100

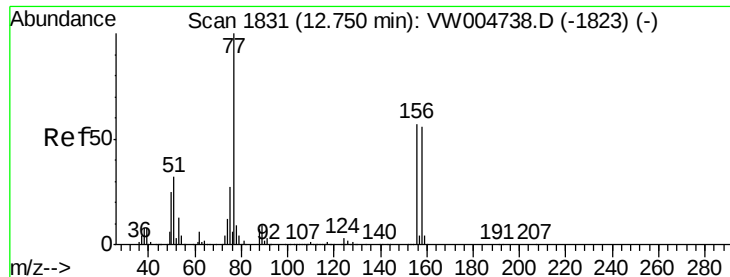
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 21.116 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampled :

VW0819SBS01

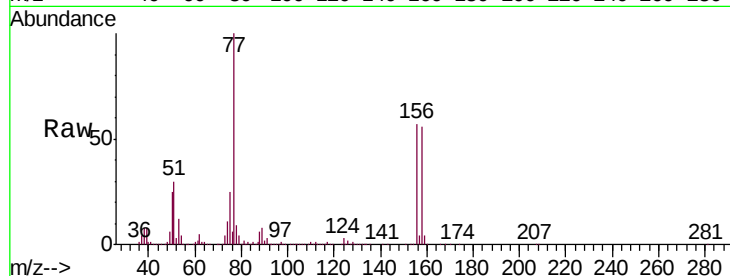
Tgt Ion: 156 Resp: 176847

Ion Ratio Lower Upper

156 100

77 188.1 94.2 282.4

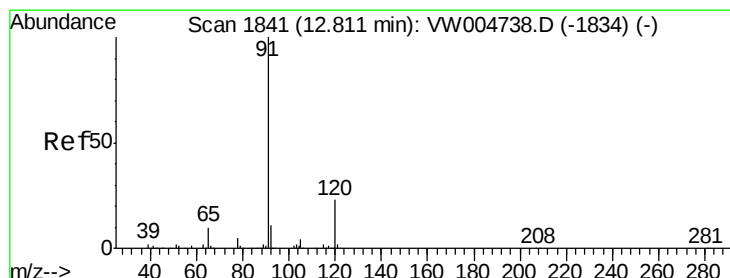
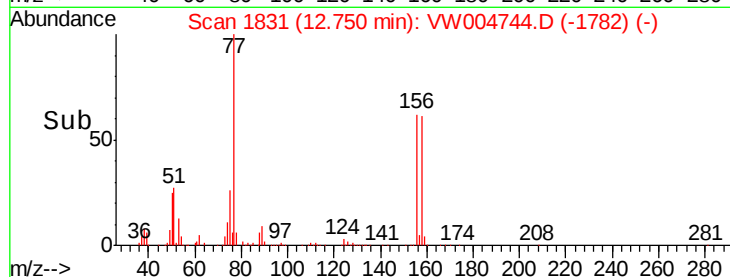
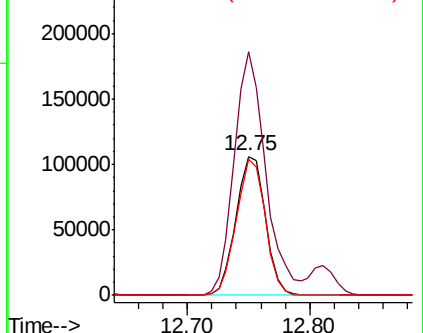
158 96.3 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.821 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VW004744.D

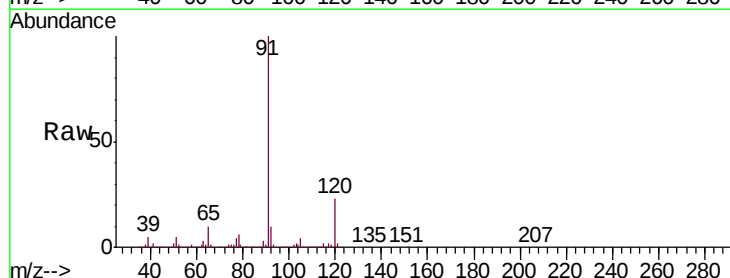
Acq: 17 Aug 2018 20:38

Tgt Ion: 91 Resp: 879122

Ion Ratio Lower Upper

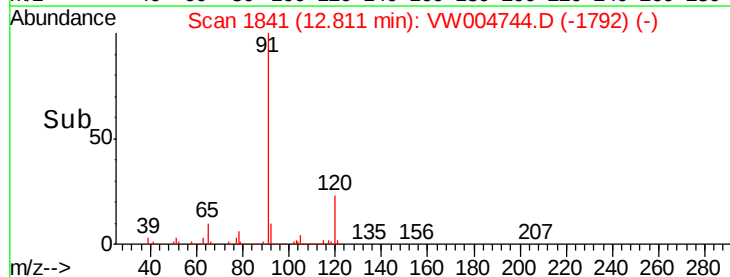
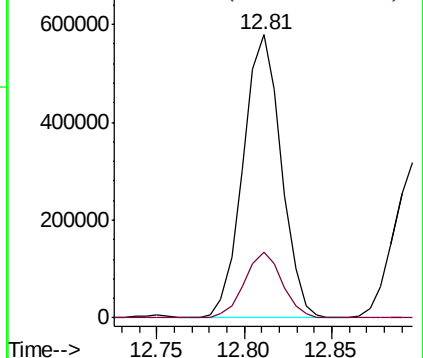
91 100

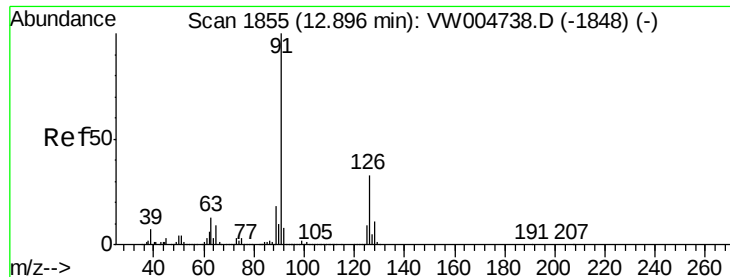
120 22.9 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

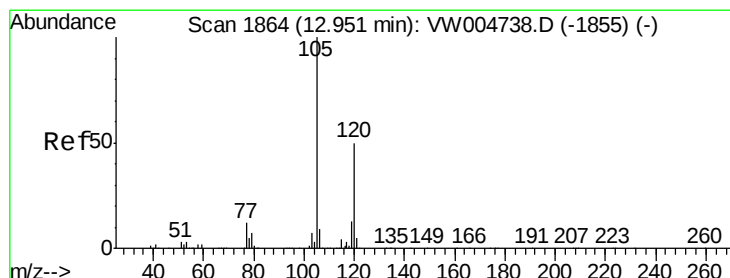
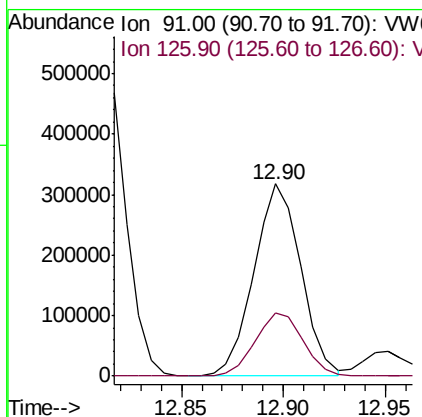
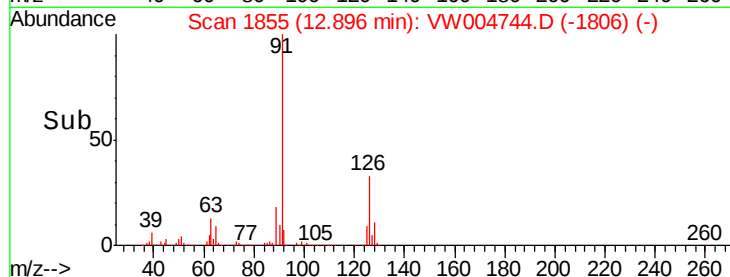
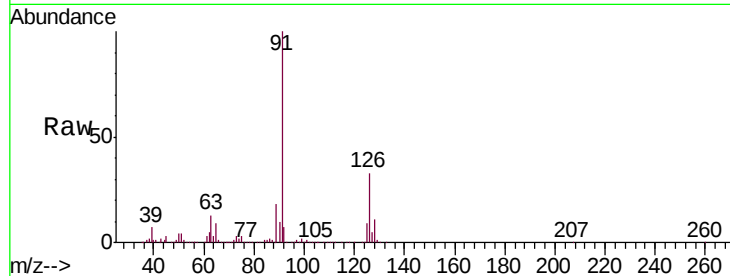




#79
 2-Chlorotoluene
 Concen: 20.794 ug/l
 RT: 12.90 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

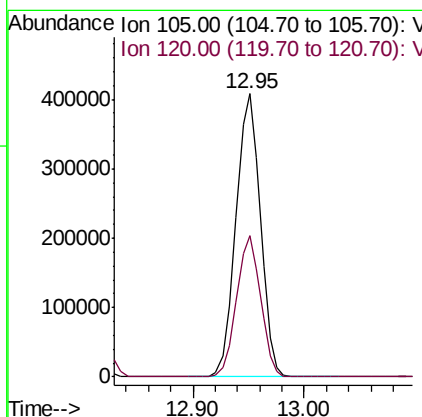
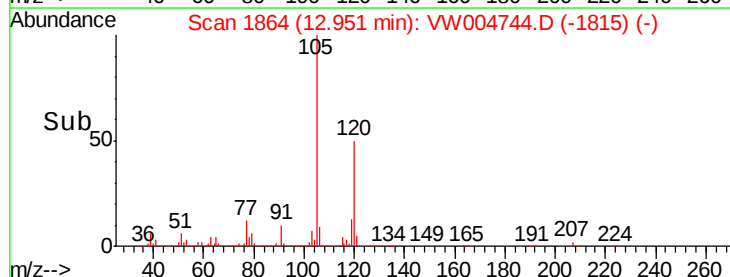
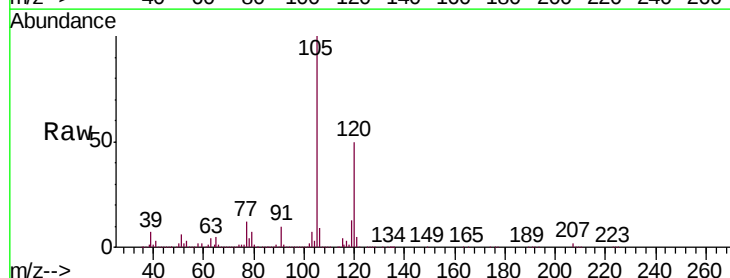
Instrument :
 MSVOA_W
 ClientSampled :
 VW0819SBS01

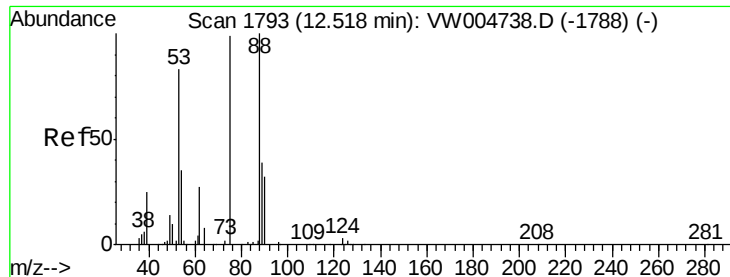
Tgt Ion: 91 Resp: 506070
 Ion Ratio Lower Upper
 91 100
 126 34.0 17.0 51.0



#80
 1,3,5-Trimethylbenzene
 Concen: 21.057 ug/l
 RT: 12.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion: 105 Resp: 618989
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.232 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

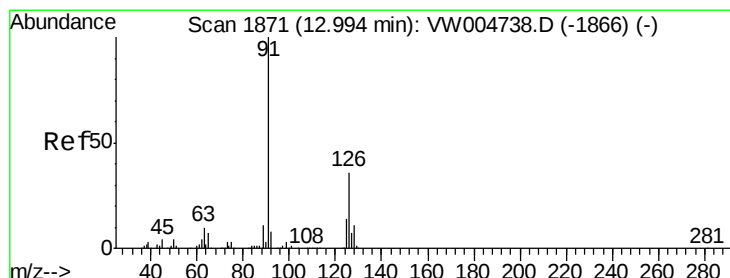
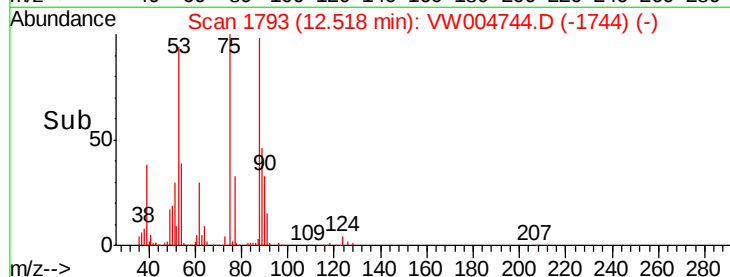
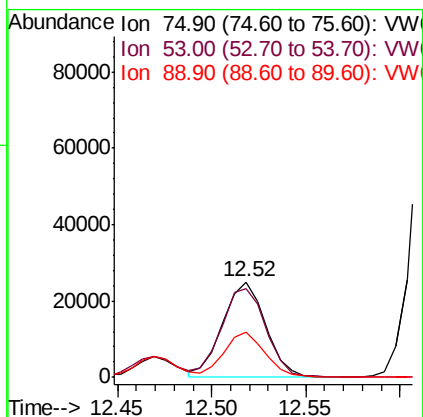
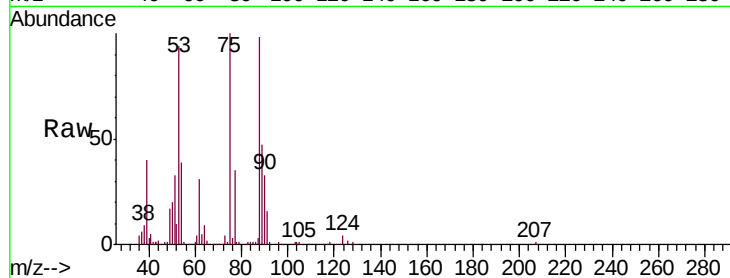
Tgt Ion: 75 Resp: 39027

Ion Ratio Lower Upper

75 100

53 98.8 72.2 108.4

89 45.6 35.2 52.8



#82

4-Chlorotoluene

Concen: 20.963 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VW004744.D

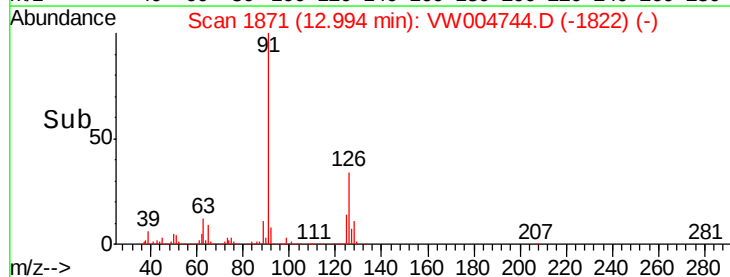
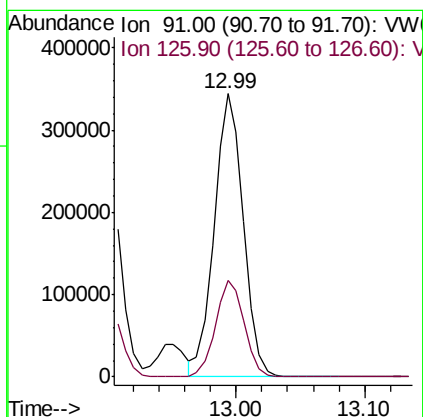
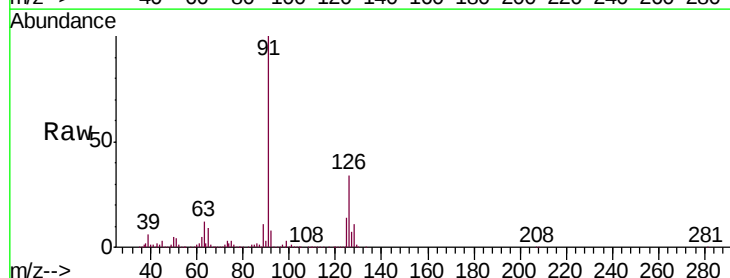
Acq: 17 Aug 2018 20:38

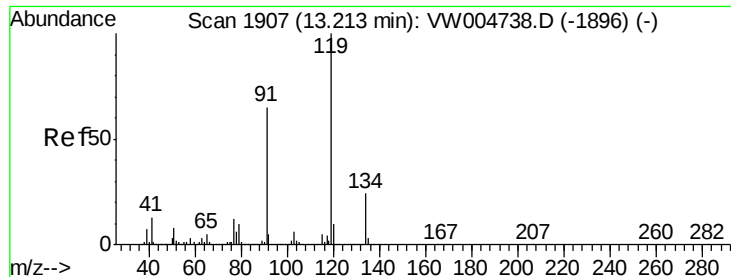
Tgt Ion: 91 Resp: 542082

Ion Ratio Lower Upper

91 100

126 33.6 16.9 50.7

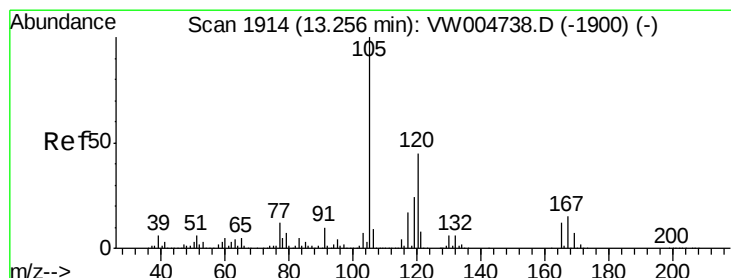
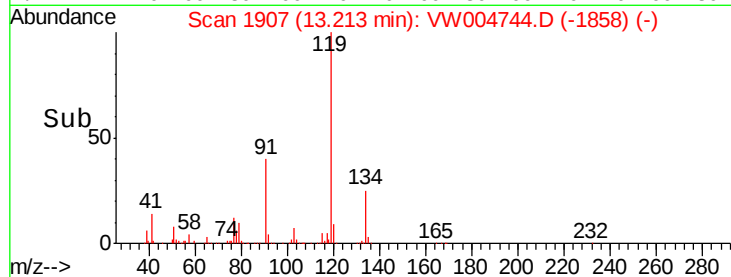
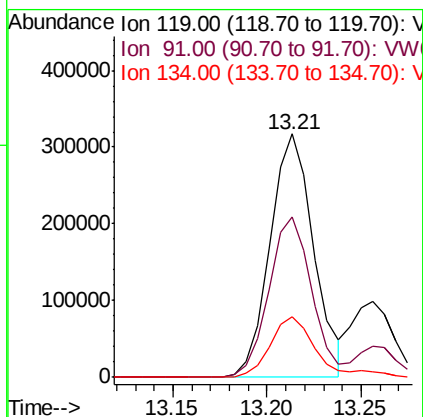
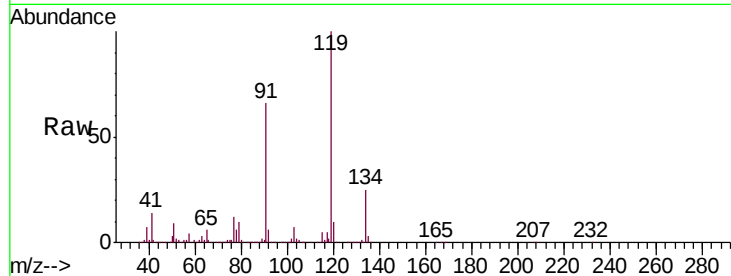




#83
 tert-Butylbenzene
 Concen: 20.254 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

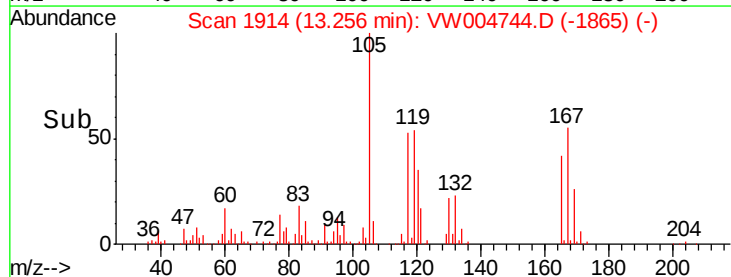
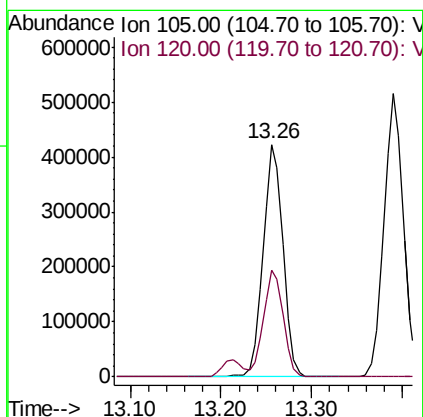
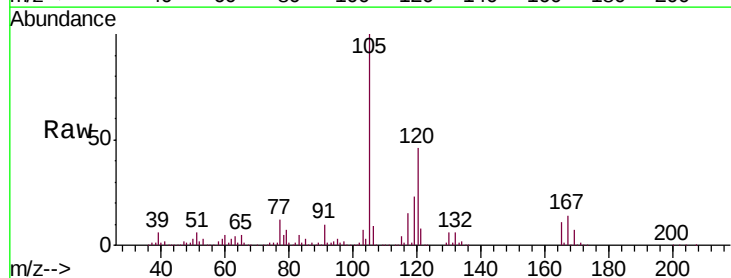
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

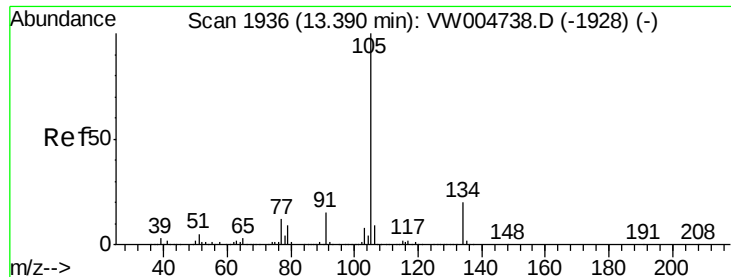
Tgt Ion:119 Resp: 509256
 Ion Ratio Lower Upper
 119 100
 91 64.4 32.6 97.8
 134 24.6 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 21.175 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion:105 Resp: 640413
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.8 68.3

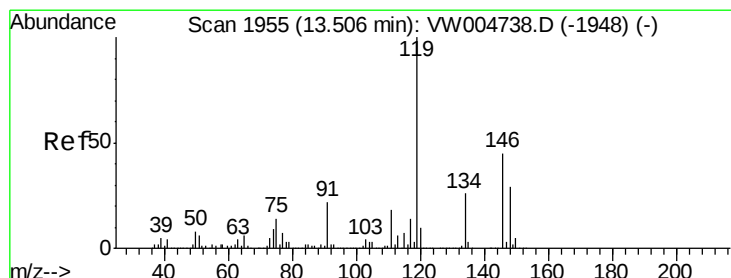
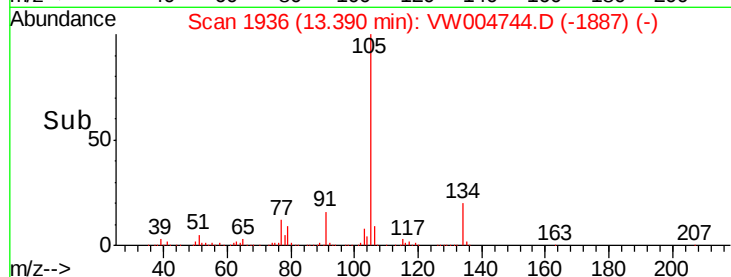
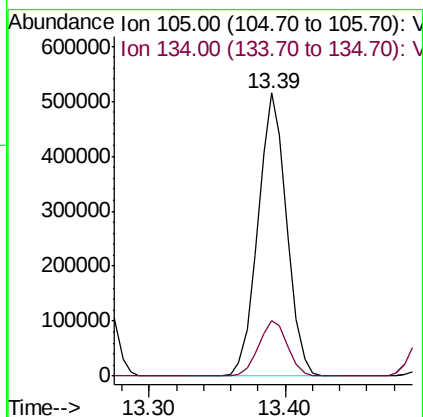
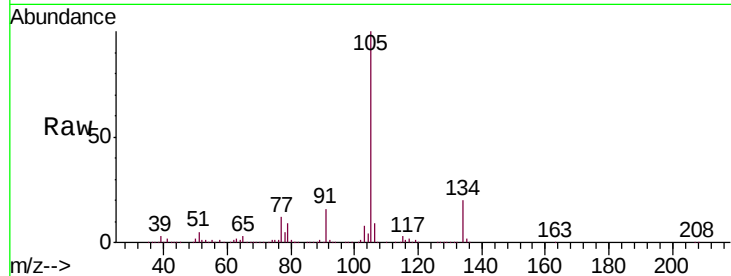




#85
 sec-Butylbenzene
 Concen: 20.260 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

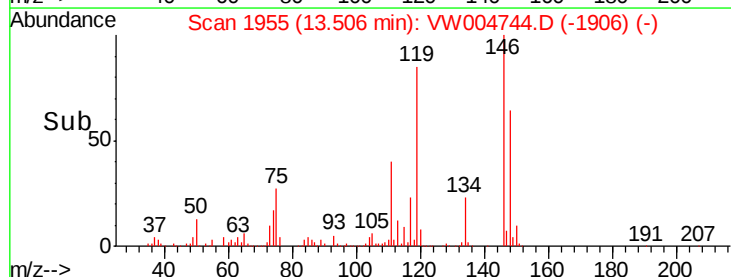
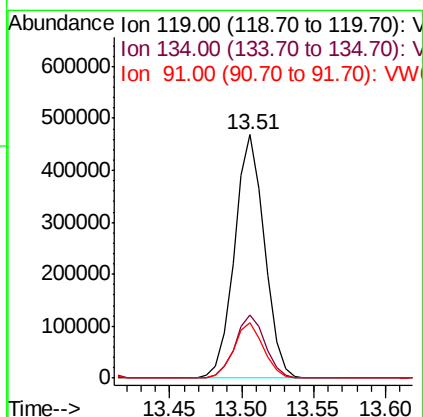
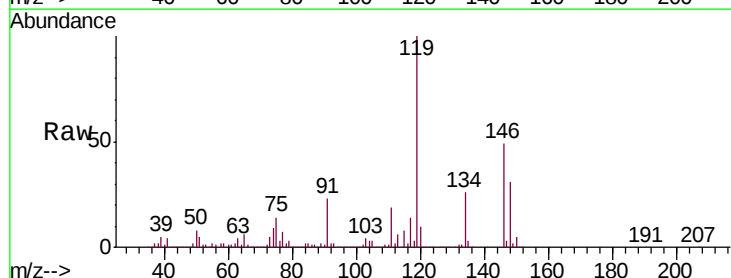
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

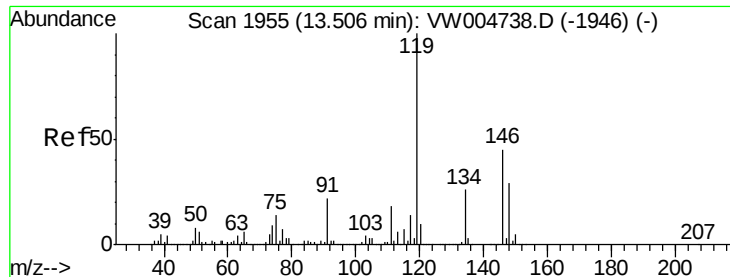
Tgt Ion:105 Resp: 760532
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 20.747 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion:119 Resp: 677653
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.1 39.3
 91 22.4 11.2 33.5

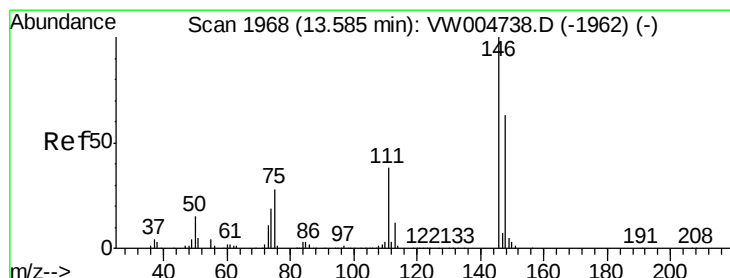
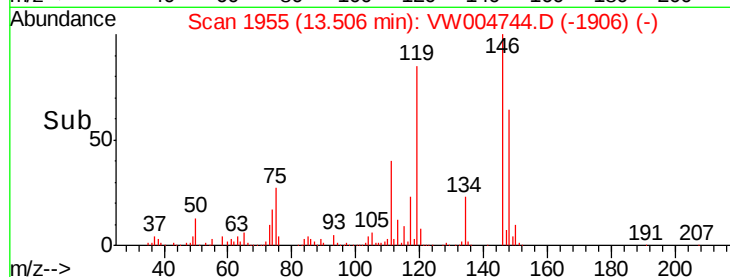
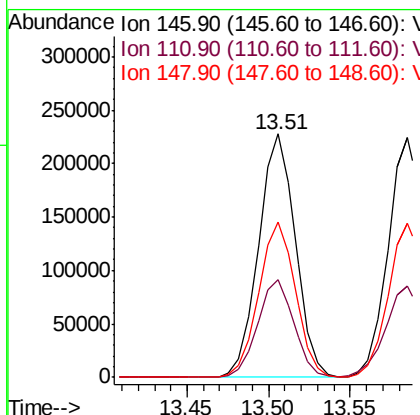
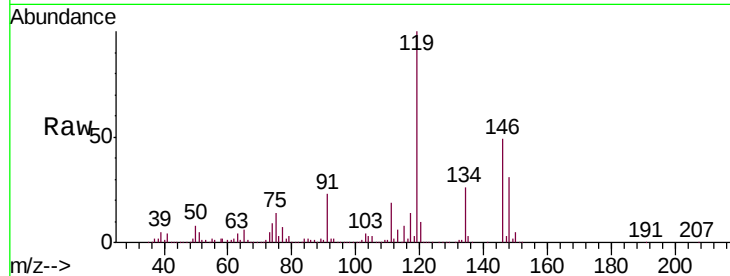




#87
 1,3-Dichlorobenzene
 Concen: 20.943 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

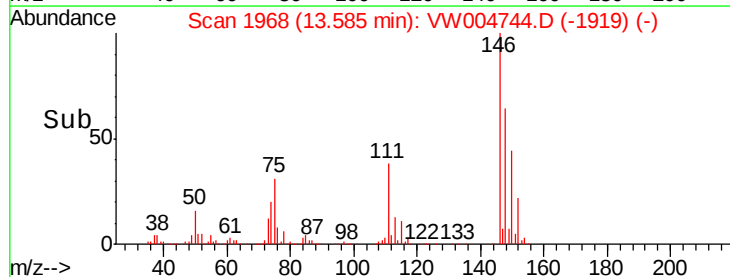
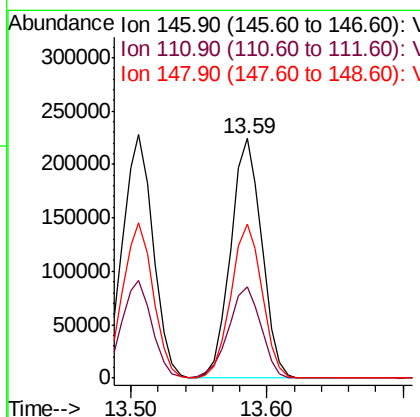
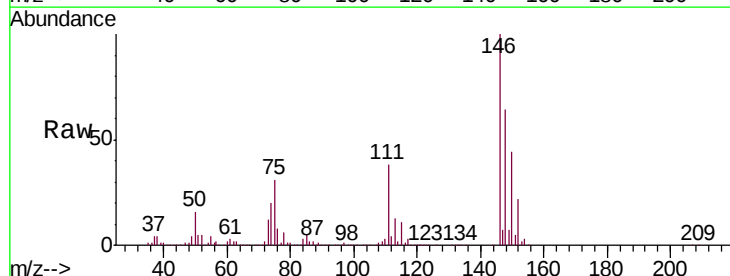
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

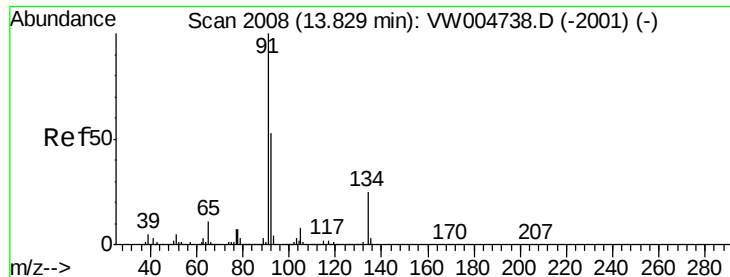
Tgt Ion:146 Resp: 356779
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.8 59.4
 148 63.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 20.894 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion:146 Resp: 355805
 Ion Ratio Lower Upper
 146 100
 111 39.9 19.3 57.8
 148 64.5 31.8 95.3





#89

n-Butylbenzene

Concen: 20.122 ug/l

RT: 13.83 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

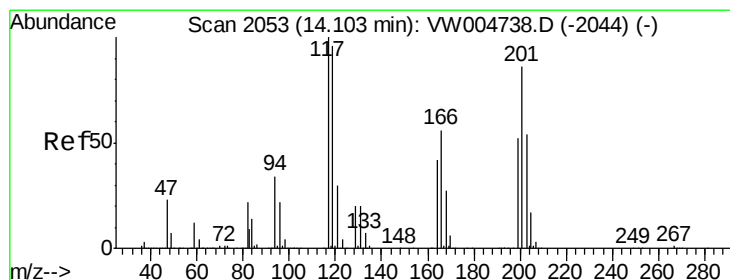
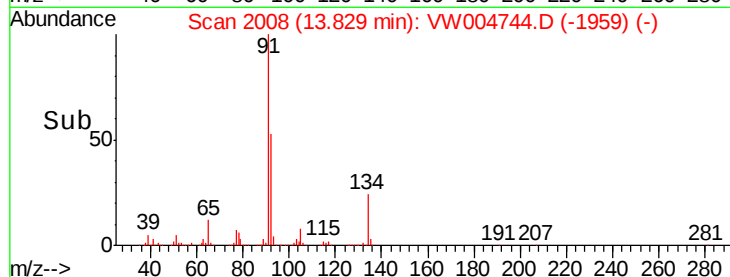
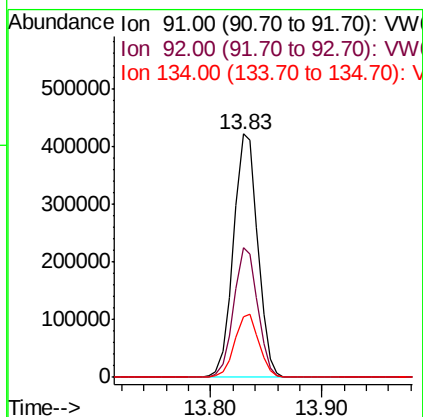
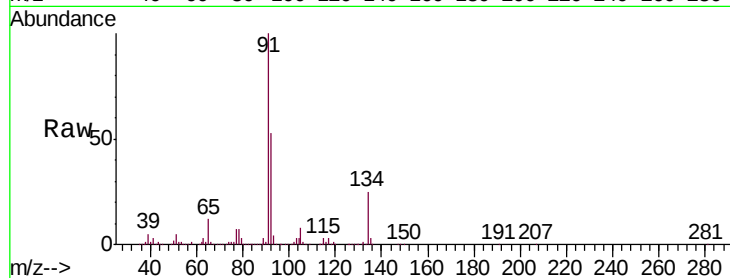
Tgt Ion: 91 Resp: 635440

Ion Ratio Lower Upper

91 100

92 52.4 26.4 79.2

134 25.6 12.8 38.3



#90

Hexachloroethane

Concen: 19.863 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VW004744.D

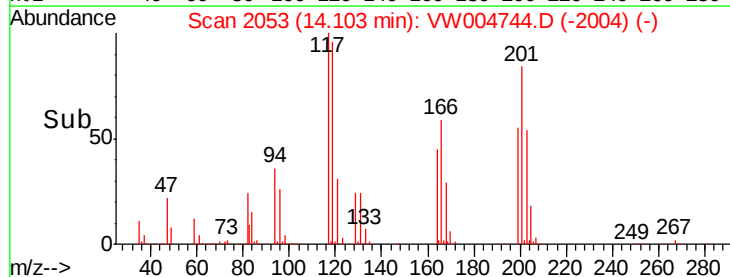
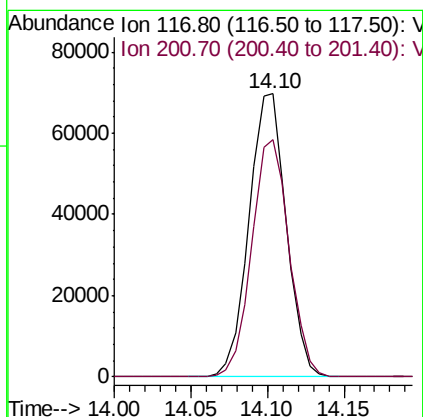
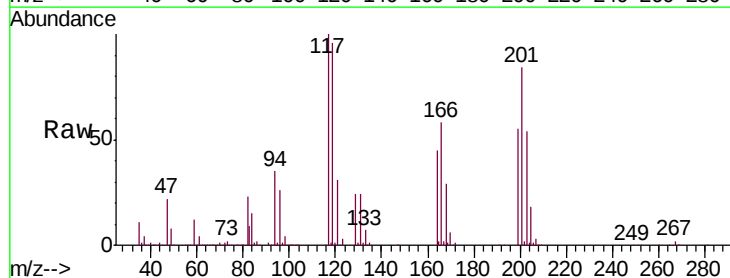
Acq: 17 Aug 2018 20:38

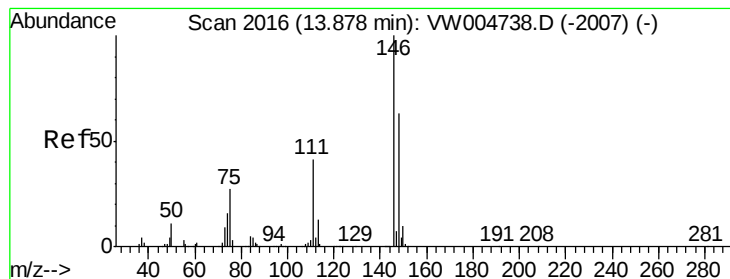
Tgt Ion: 117 Resp: 118259

Ion Ratio Lower Upper

117 100

201 84.2 42.4 127.2





#91

1,2-Dichlorobenzene

Concen: 21.326 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

Instrument :

MSVOA_W

ClientSampleId :

VW0819SBS01

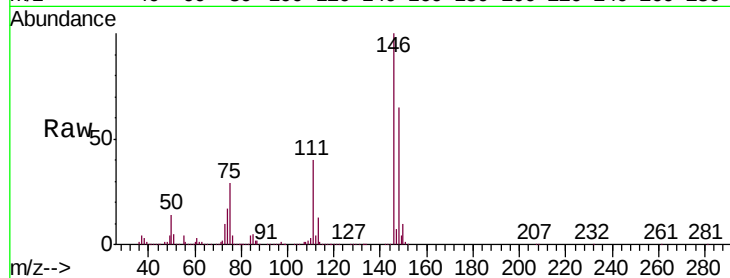
Tgt Ion:146 Resp: 326314

Ion Ratio Lower Upper

146 100

111 41.1 20.4 61.3

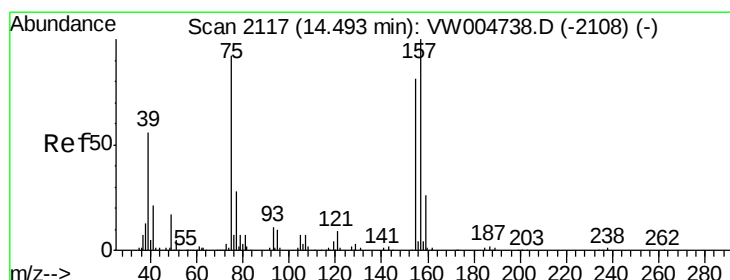
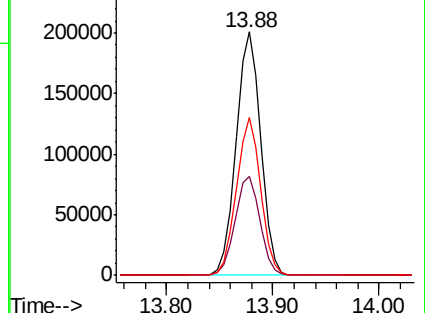
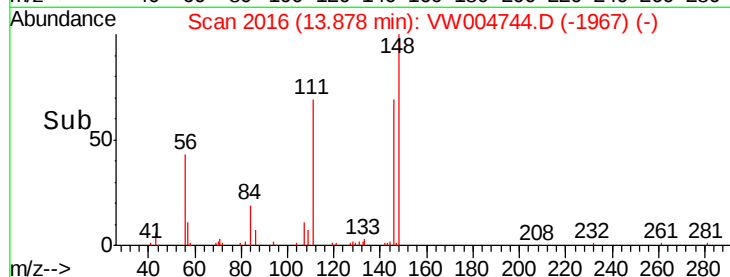
148 63.7 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 22.357 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. 0.00 min

Lab File: VW004744.D

Acq: 17 Aug 2018 20:38

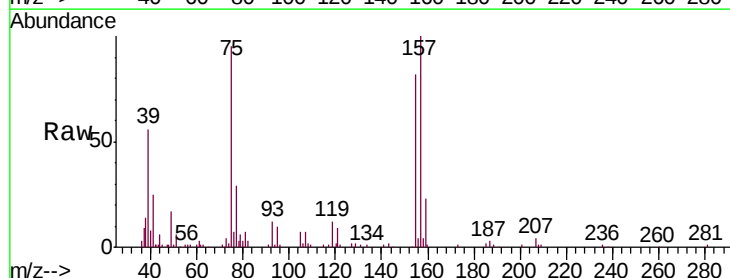
Tgt Ion: 75 Resp: 22396

Ion Ratio Lower Upper

75 100

155 84.9 43.3 129.9

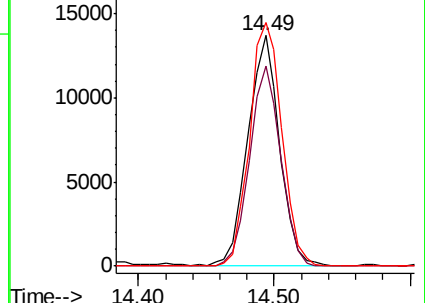
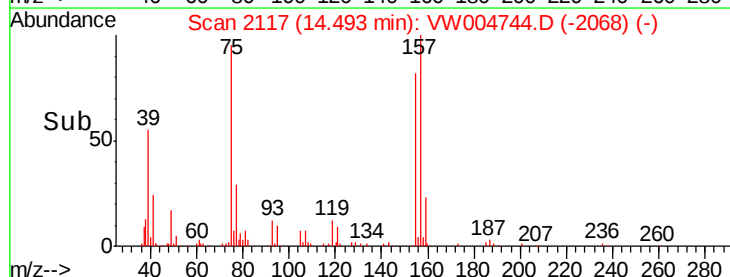
157 107.4 54.5 163.6

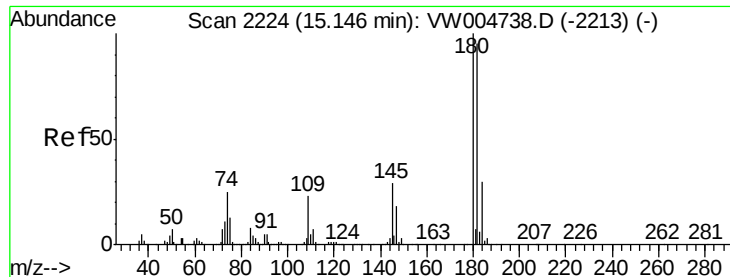


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

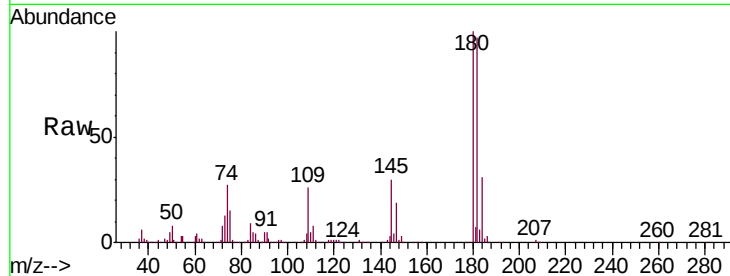




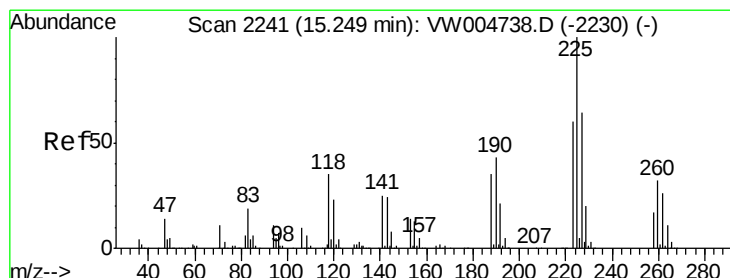
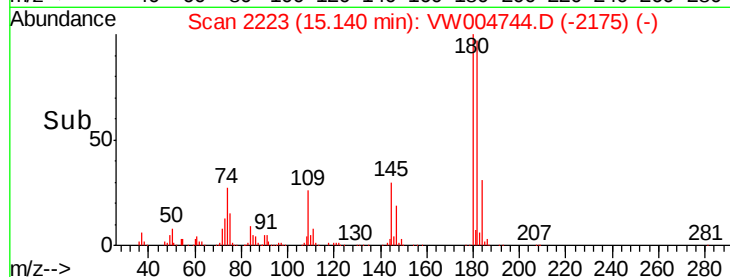
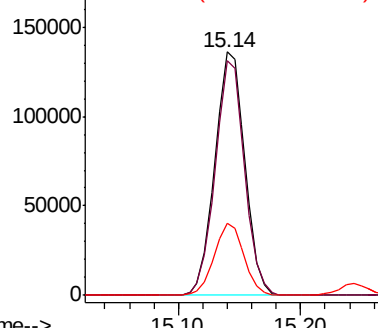
#93
 1,2,4-Trichlorobenzene
 Concen: 21.370 ug/l
 RT: 15.14 min Scan# 2223
 Delta R.T. -0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0819SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.8
145	29.3	14.6	43.8

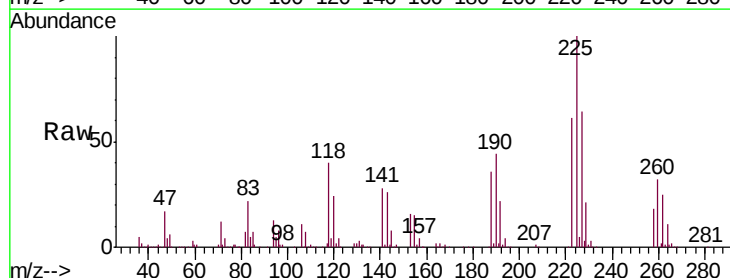


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

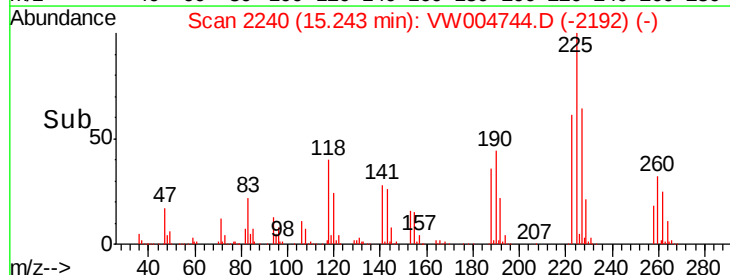
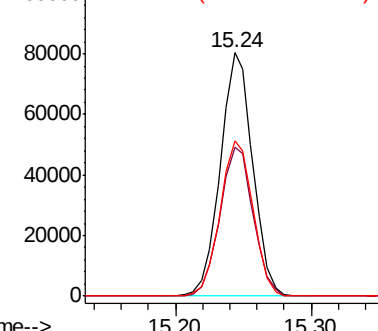


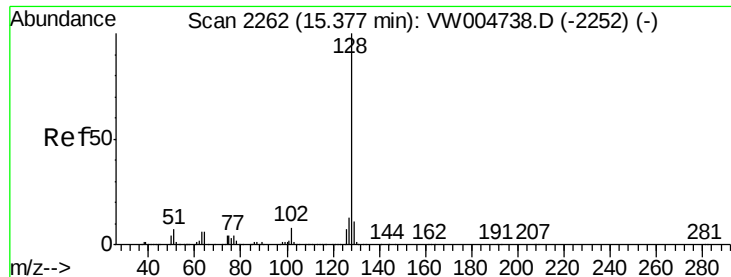
#94
 Hexachlorobutadiene
 Concen: 20.107 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW004744.D
 Acq: 17 Aug 2018 20:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	30.9	92.5
227	64.9	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

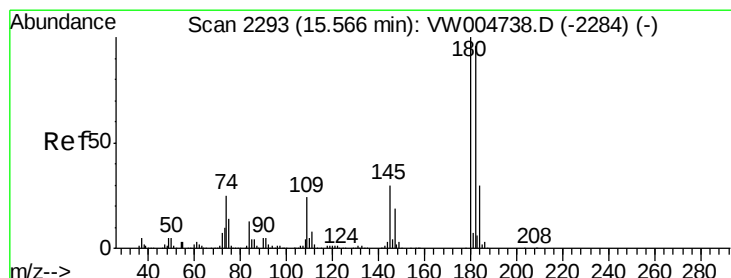
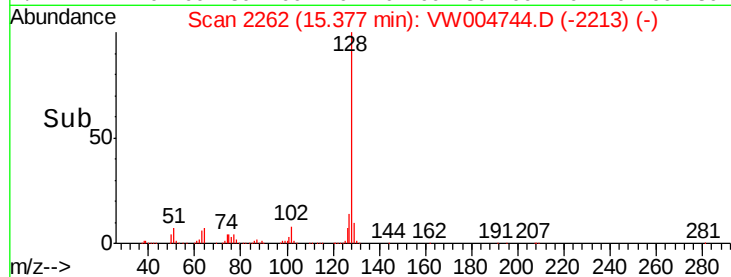
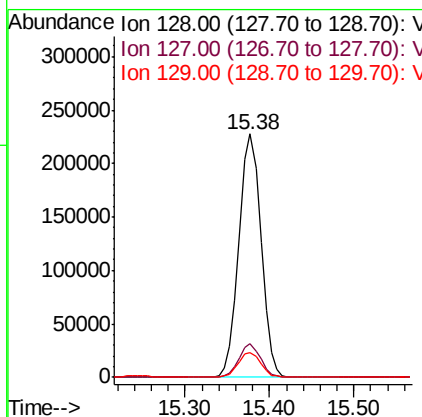
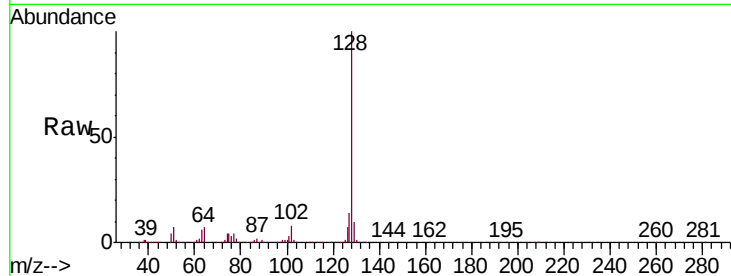




#95
Naphthalene
Concen: 21.441 ug/l
RT: 15.38 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Instrument :
MSVOA_W
ClientSampleId :
VW0819SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.6	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 21.745 ug/l
RT: 15.57 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VW004744.D
Acq: 17 Aug 2018 20:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	142.0
145	31.6	15.4	46.1

