

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003947.D
 Acq On : 16 Jul 2018 12:49
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 16 14:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	283815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	437467	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	402273	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	208880	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	60389	18.21	ug/l	0.00
Spiked Amount			Recovery	=	36.42%	
35) Dibromofluoromethane	7.88	113	52812	18.27	ug/l	0.00
Spiked Amount			Recovery	=	36.54%	
50) Toluene-d8	10.33	98	208053	18.49	ug/l	0.00
Spiked Amount			Recovery	=	36.98%	
62) 4-Bromofluorobenzene	12.62	95	75246	18.57	ug/l	0.00
Spiked Amount			Recovery	=	37.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	33683	23.41	ug/l	94
3) Chloromethane	2.20	50	44125	19.31	ug/l	99
4) Vinyl Chloride	2.35	62	60411	19.36	ug/l	98
5) Bromomethane	2.77	94	39467	19.64	ug/l	93
6) Chloroethane	2.92	64	34256	18.63	ug/l	99
7) Trichlorofluoromethane	3.25	101	24488	18.79	ug/l	90
8) Diethyl Ether	3.67	74	28142	19.84	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.05	101	56274	20.65	ug/l	97
10) Methyl Iodide	4.26	142	80566	19.97	ug/l	98
11) Tert butyl alcohol	5.21	59	18196	88.88	ug/l	95
12) 1,1-Dichloroethene	4.03	96	54638	20.41	ug/l	96
13) Acrolein	3.89	56	23219	98.74	ug/l	100
14) Allyl chloride	4.65	41	89464	19.20	ug/l	98
15) Acrylonitrile	5.37	53	70821	101.19	ug/l	100
16) Acetone	4.13	43	66052	94.02	ug/l	97
17) Carbon Disulfide	4.37	76	175221	20.25	ug/l	100
18) Methyl Acetate	4.67	43	34129	19.35	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	106436	20.15	ug/l	96
20) Methylene Chloride	4.91	84	82316	17.73	ug/l	95
21) trans-1,2-Dichloroethene	5.41	96	61175	19.88	ug/l	97
22) Diisopropyl ether	6.31	45	188596	19.59	ug/l	99
23) Vinyl Acetate	6.26	43	586870	99.51	ug/l	100
24) 1,1-Dichloroethane	6.21	63	114393	19.84	ug/l	99
25) 2-Butanone	7.18	43	98073	100.27	ug/l	100
26) 2,2-Dichloropropane	7.17	77	66978	20.49	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	66761	20.09	ug/l	98
28) Bromochloromethane	7.51	49	46806	18.68	ug/l	# 99
29) Tetrahydrofuran	7.53	42	61111	98.91	ug/l	100
30) Chloroform	7.68	83	114789	19.80	ug/l	95
31) Cyclohexane	7.95	56	103113	19.38	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	88995	19.77	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92772	20.34	ug/l	99
37) Ethyl Acetate	7.26	43	42482	20.07	ug/l	99
38) Carbon Tetrachloride	8.07	117	85680	20.07	ug/l	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003947.D
 Acq On : 16 Jul 2018 12:49
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Quant Time: Jul 16 14:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105004	20.23	ug/l	97
40) Benzene	8.32	78	258918	20.30	ug/l	98
41) Methacrylonitrile	7.49	41	23954	19.69	ug/l	95
42) 1,2-Dichloroethane	8.40	62	78347	19.94	ug/l	100
43) Isopropyl Acetate	8.43	43	79794	20.00	ug/l	99
44) Trichloroethene	9.09	130	66574	20.45	ug/l	98
45) 1,2-Dichloropropane	9.37	63	66106	20.21	ug/l	100
46) Dibromomethane	9.46	93	34012	20.26	ug/l	100
47) Bromodichloromethane	9.65	83	83358	19.97	ug/l	99
48) Methyl methacrylate	9.44	41	38601	20.19	ug/l	99
49) 1,4-Dioxane	9.46	88	9463	370.46	ug/l #	80
51) 4-Methyl-2-Pentanone	10.21	43	211895	99.87	ug/l	100
52) Toluene	10.39	92	160229	20.19	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	85866	20.08	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	99363	20.31	ug/l	100
55) 1,1,2-Trichloroethane	10.79	97	47053	19.81	ug/l	98
56) Ethyl methacrylate	10.65	69	57917	19.48	ug/l	97
57) 1,3-Dichloropropane	10.94	76	82244	19.94	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	145745	104.30	ug/l	99
59) 2-Hexanone	10.98	43	150636	102.53	ug/l	96
60) Dibromochloromethane	11.13	129	54557	19.82	ug/l	100
61) 1,2-Dibromoethane	11.24	107	45261	20.40	ug/l	98
64) Tetrachloroethene	10.87	164	55062	19.24	ug/l	98
65) Chlorobenzene	11.66	112	173321	19.97	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	60453	20.09	ug/l	99
67) Ethyl Benzene	11.74	91	305363	20.20	ug/l	97
68) m/p-Xylenes	11.85	106	234380	40.32	ug/l	99
69) o-Xylene	12.17	106	109535	20.44	ug/l	98
70) Styrene	12.19	104	180621	20.01	ug/l	100
71) Bromoform	12.35	173	33074	20.03	ug/l #	98
73) Isopropylbenzene	12.47	105	297093	20.34	ug/l	100
74) N-amyl acetate	12.28	43	76130	20.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	57140	20.50	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	77134	33.58	ug/l #	100
77) Bromobenzene	12.76	156	71802	20.54	ug/l	98
78) n-propylbenzene	12.81	91	368839	20.43	ug/l	100
79) 2-Chlorotoluene	12.90	91	208654	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	255760	20.63	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	17960	20.76	ug/l	96
82) 4-Chlorotoluene	12.99	91	222335	20.23	ug/l	99
83) tert-Butylbenzene	13.21	119	209427	20.24	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	261765	20.45	ug/l	99
85) sec-Butylbenzene	13.39	105	312824	20.23	ug/l	99
86) p-Isopropyltoluene	13.51	119	276042	20.37	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	144239	20.44	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	142974	20.19	ug/l	99
89) n-Butylbenzene	13.83	91	269908	20.25	ug/l	99
90) Hexachloroethane	14.10	117	49701	19.79	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	129281	20.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9867	20.31	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
Data File : VW003947.D
Acq On : 16 Jul 2018 12:49
Operator : VA/AP
Sample : VSTDICC020
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC020

Quant Time: Jul 16 14:10:32 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 14:12:27 2018
Response via : Initial Calibration

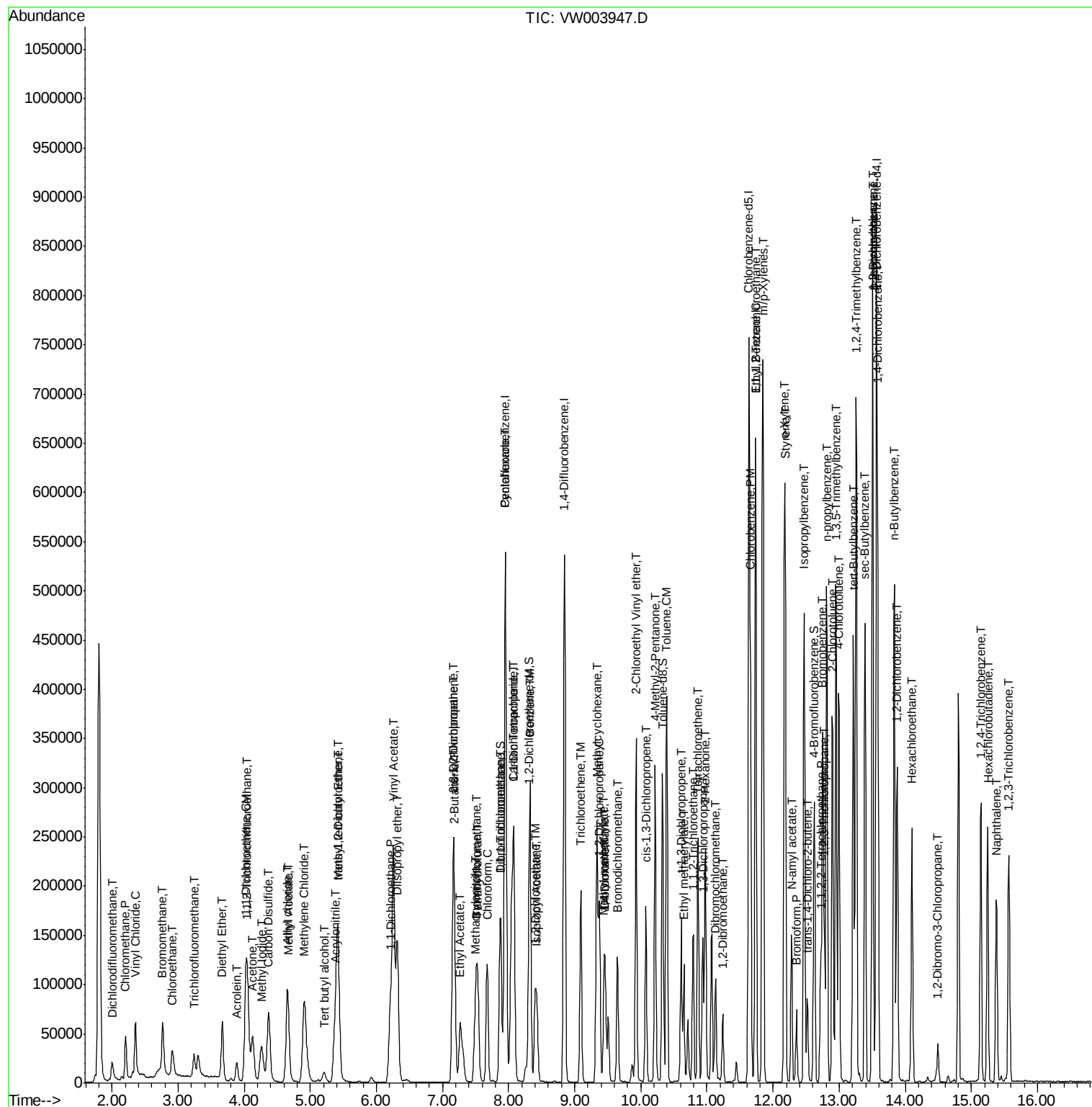
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	89592	20.57	ug/l	98
94) Hexachlorobutadiene	15.25	225	50680	20.18	ug/l	99
95) Naphthalene	15.38	128	157288	20.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	77699	20.12	ug/l	97

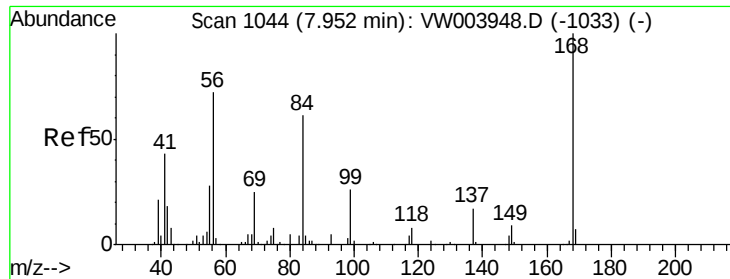
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003947.D
 Acq On : 16 Jul 2018 12:49
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 VSTDIC020

Quant Time: Jul 16 14:10:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:12:27 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

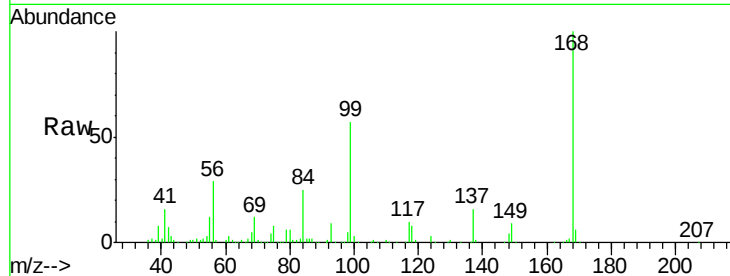
VSTDIC020

Tot Ion:168 Resp: 283815

Ion Ratio Lower Upper

168 100

99 57.4 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

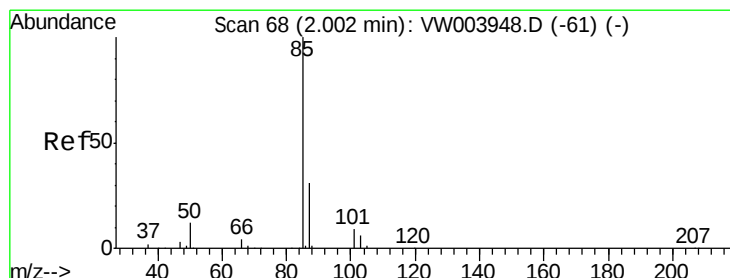
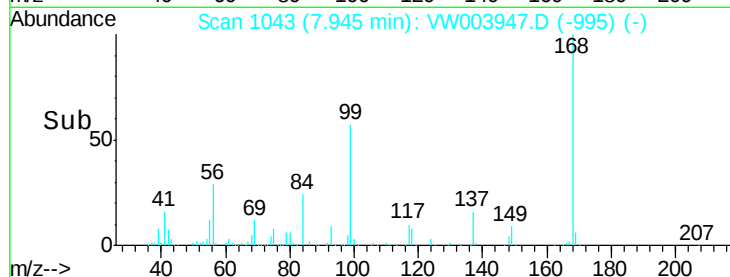
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 23.41 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003947.D

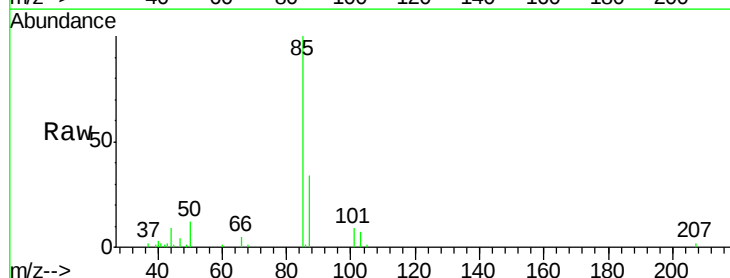
Acq: 16 Jul 2018 12:49

Tgt Ion: 85 Resp: 33683

Ion Ratio Lower Upper

85 100

87 34.0 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

12000

10000

8000

6000

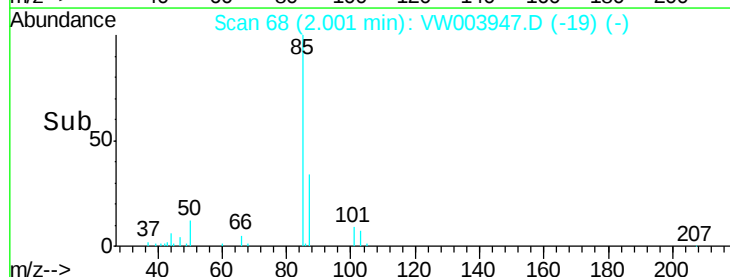
4000

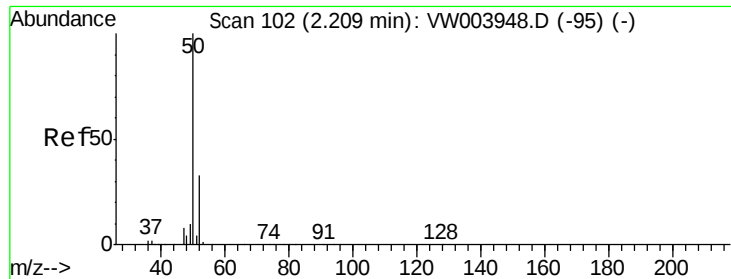
2000

0

1.90 2.00 2.10 2.20

Time-->

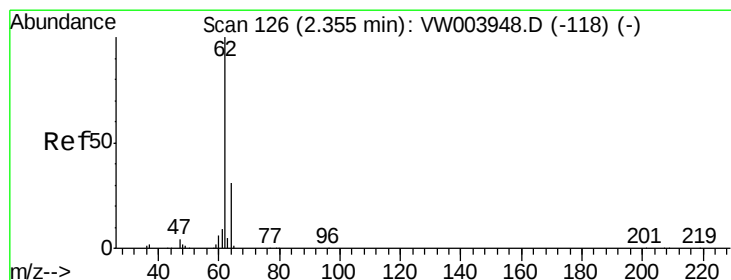
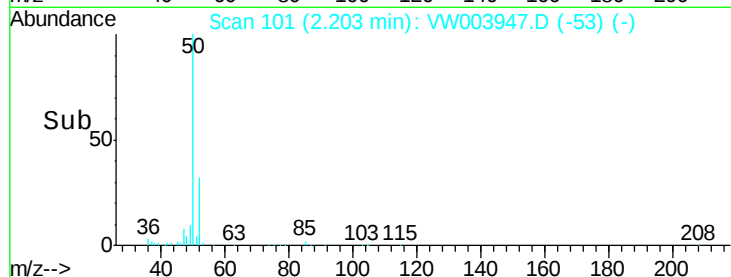
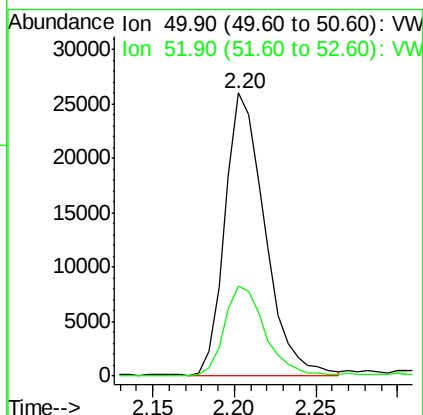
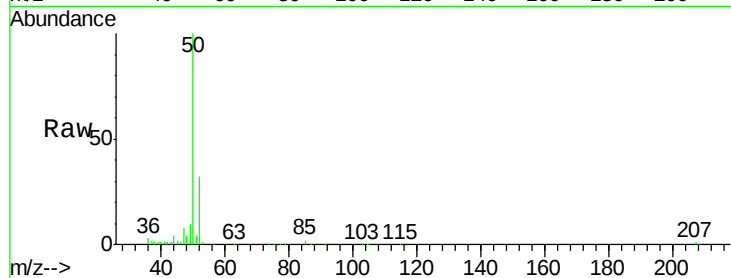




#3
Chloromethane
Concen: 19.31 ug/l
RT: 2.20 min Scan# 101
Delta R.T. -0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

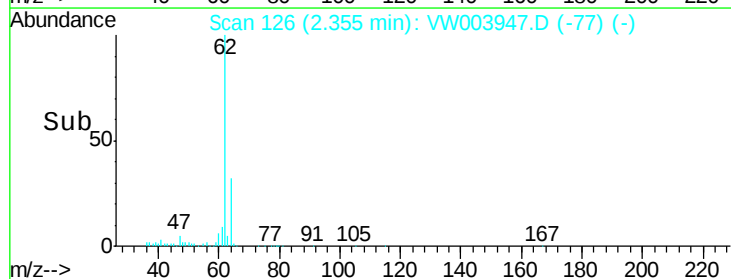
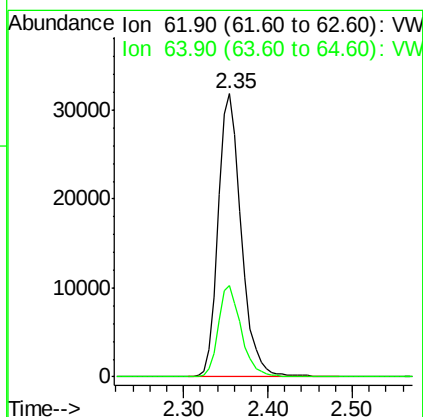
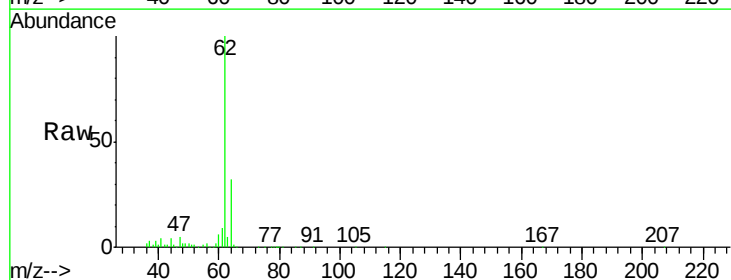
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

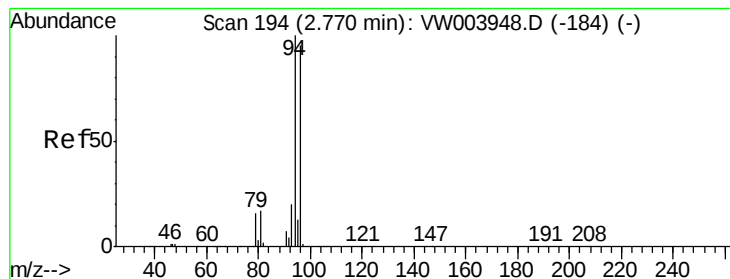
Tot Ion: 50 Resp: 44125
Ion Ratio Lower Upper
50 100
52 32.1 26.3 39.5



#4
Vinyl Chloride
Concen: 19.36 ug/l
RT: 2.35 min Scan# 126
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 62 Resp: 60411
Ion Ratio Lower Upper
62 100
64 32.3 25.0 37.6





#5

Bromomethane

Concen: 19.64 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

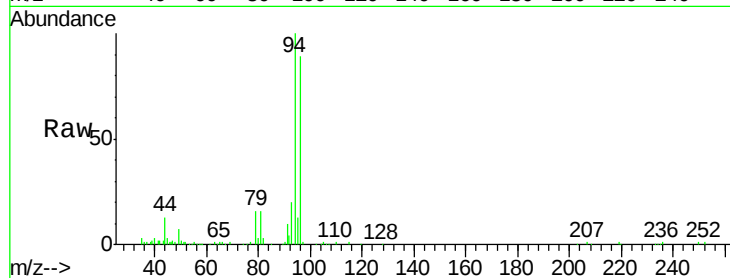
VSTDIC020

Tot Ion: 94 Resp: 39467

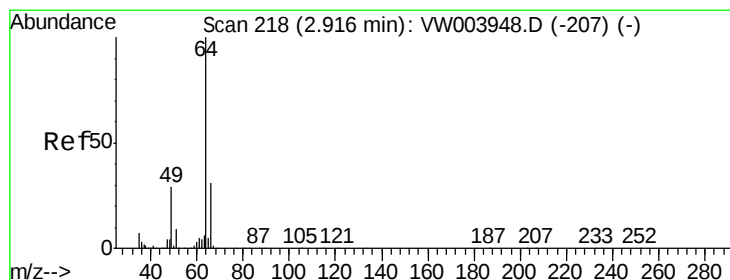
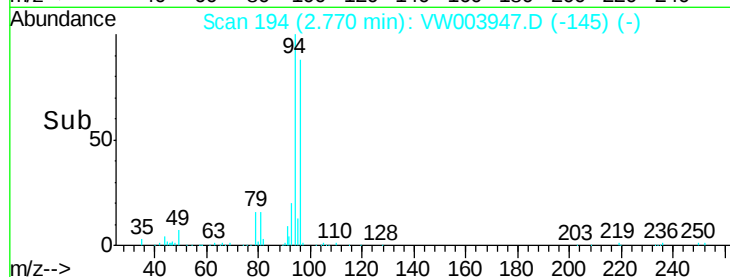
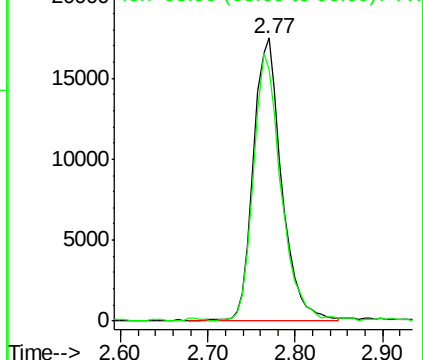
Ion Ratio Lower Upper

94 100

96 87.9 75.8 113.6



Abundance Ion 93.90 (93.60 to 94.60): VW
Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.63 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW003947.D

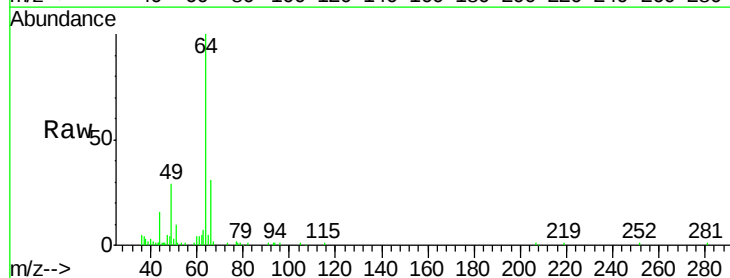
Acq: 16 Jul 2018 12:49

Tgt Ion: 64 Resp: 34256

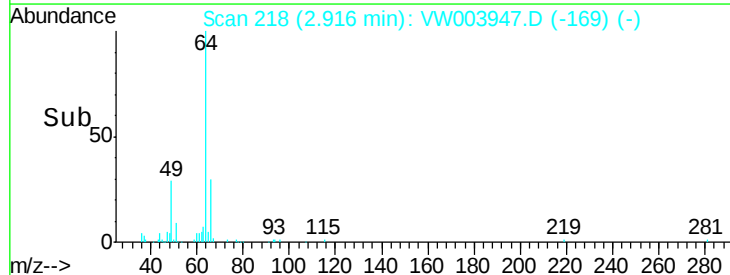
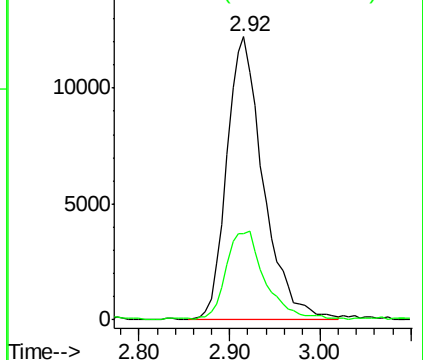
Ion Ratio Lower Upper

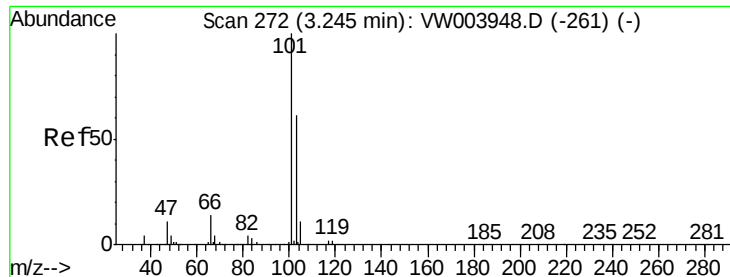
64 100

66 29.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW
Ion 65.90 (65.60 to 66.60): VW



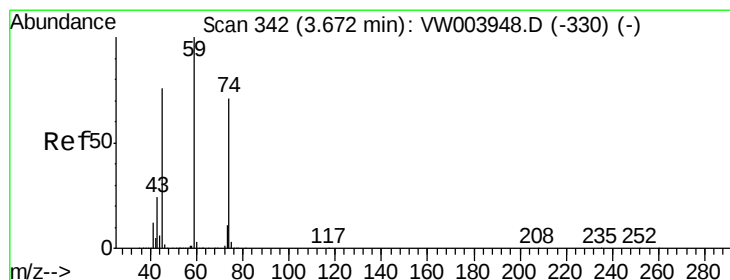
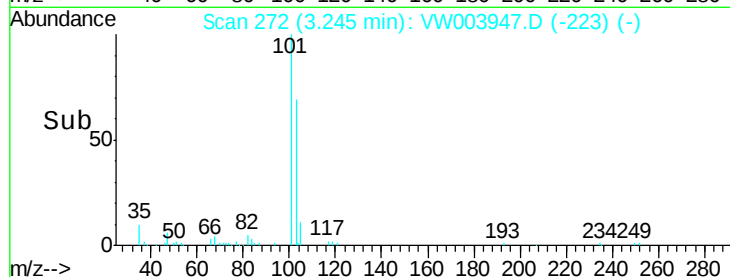
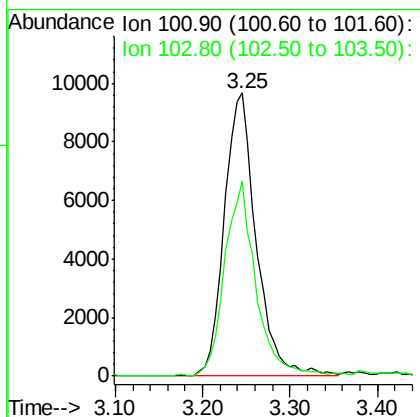
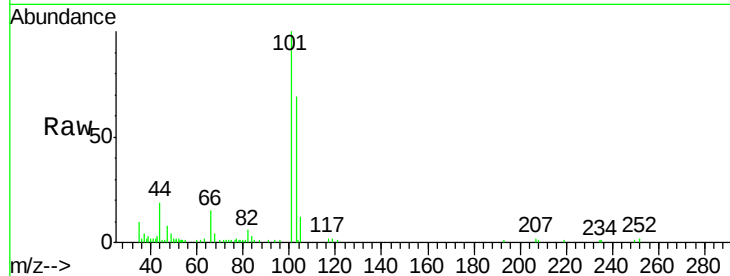


#7

Trichlorofluoromethane
 Concen: 18.79 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

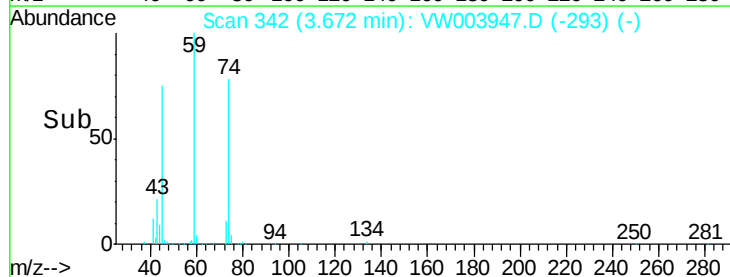
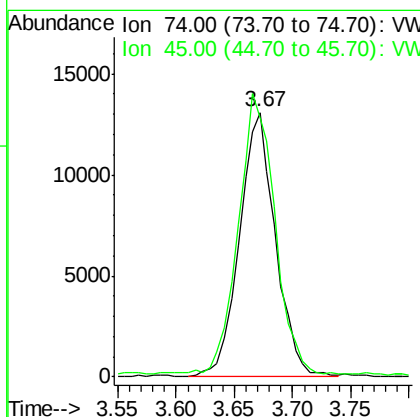
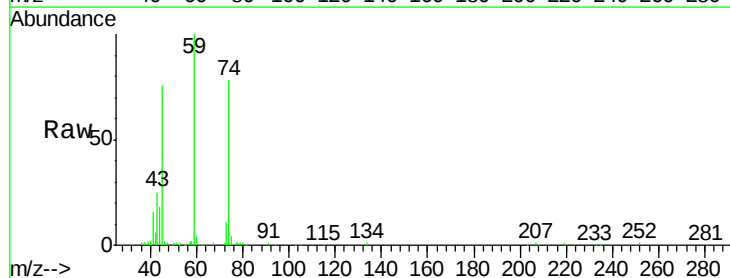
Tot Ion:101 Resp: 24488
 Ion Ratio Lower Upper
 101 100
 103 68.8 49.0 73.6

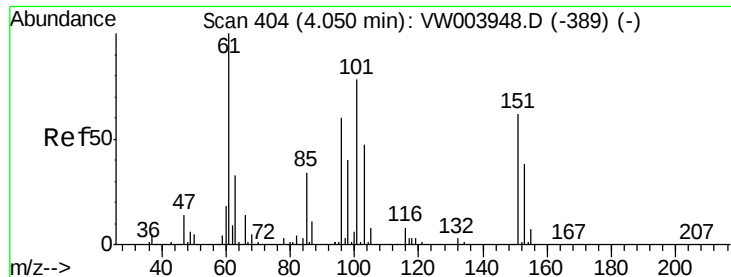


#8

Diethyl Ether
 Concen: 19.84 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 74 Resp: 28142
 Ion Ratio Lower Upper
 74 100
 45 107.6 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.65 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

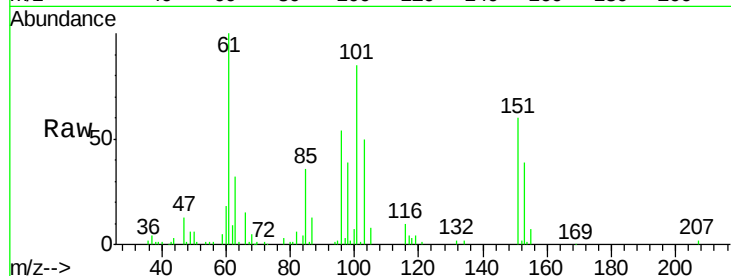
Tot Ion:101 Resp: 56274

Ion Ratio Lower Upper

101 100

85 45.4 35.8 53.6

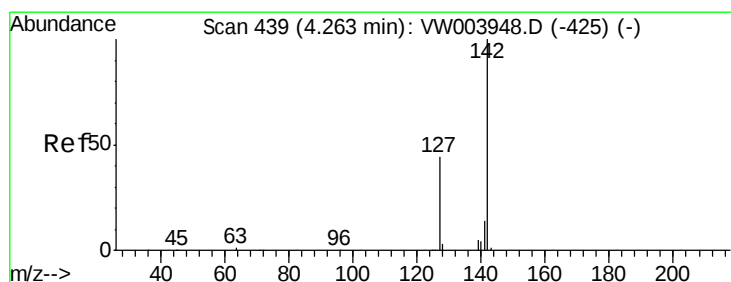
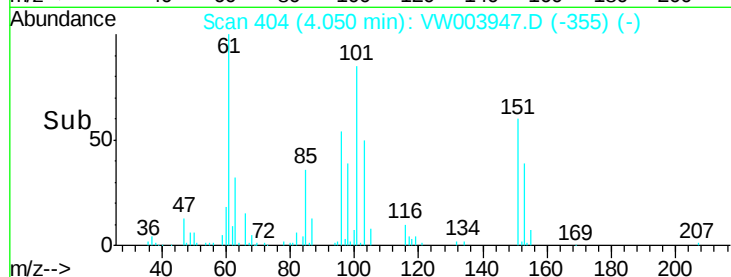
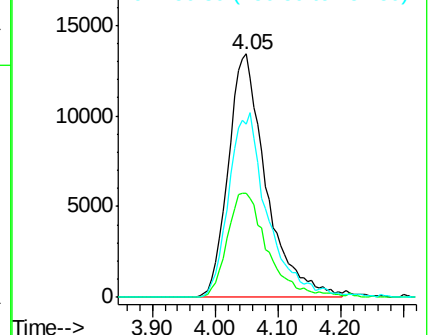
151 75.9 63.6 95.4



Abundance Ion 100.90 (100.60 to 101.60):

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50):



#10

Methyl Iodide

Concen: 19.97 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

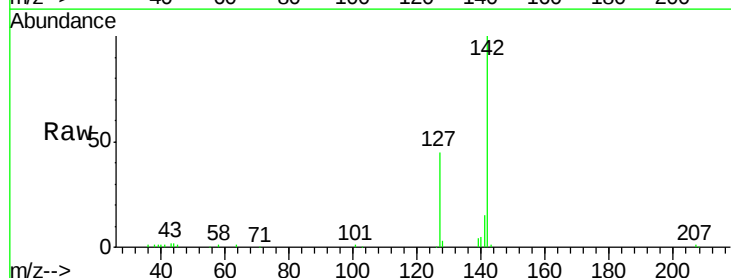
Tgt Ion:142 Resp: 80566

Ion Ratio Lower Upper

142 100

127 46.1 35.4 53.2

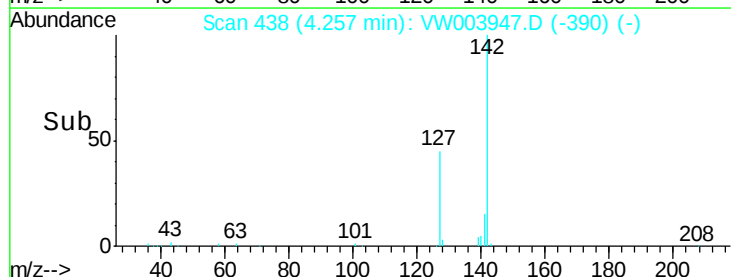
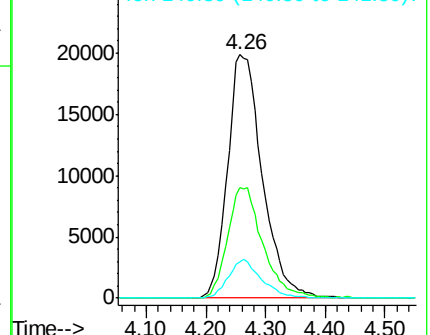
141 15.0 11.7 17.5

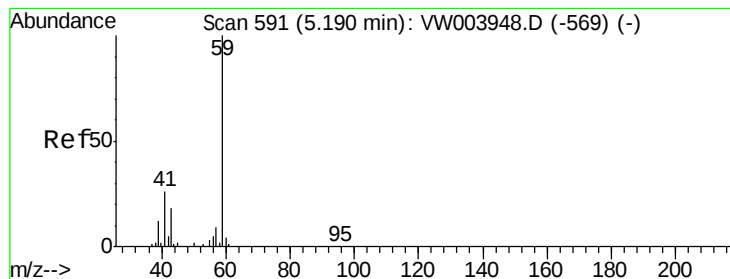


Abundance Ion 141.80 (141.50 to 142.50):

Ion 126.80 (126.50 to 127.50):

Ion 140.80 (140.50 to 141.50):





#11

Tert butyl alcohol

Concen: 88.88 ug/l

RT: 5.21 min Scan# 595

Delta R.T. 0.02 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

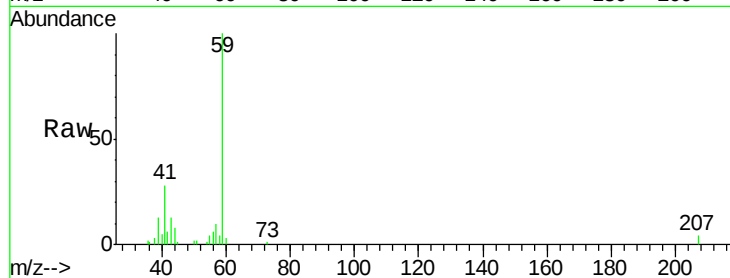
VSTDIC020

Tot Ion: 59 Resp: 18196

Ion Ratio Lower Upper

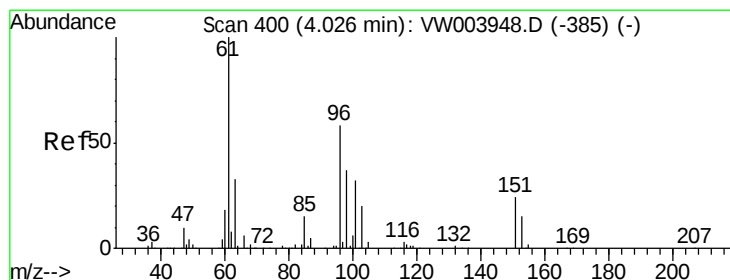
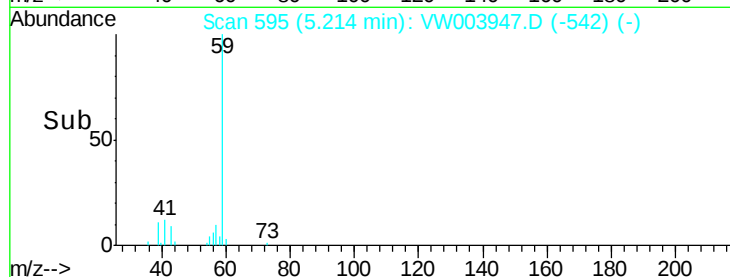
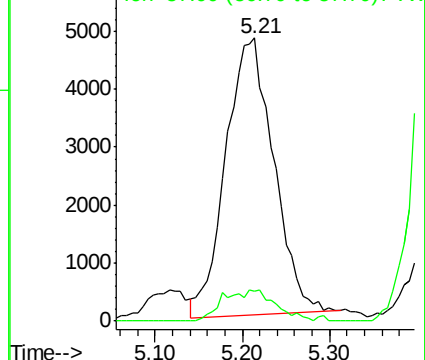
59 100

57 12.3 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#12

1,1-Dichloroethene

Concen: 20.41 ug/l

RT: 4.03 min Scan# 400

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

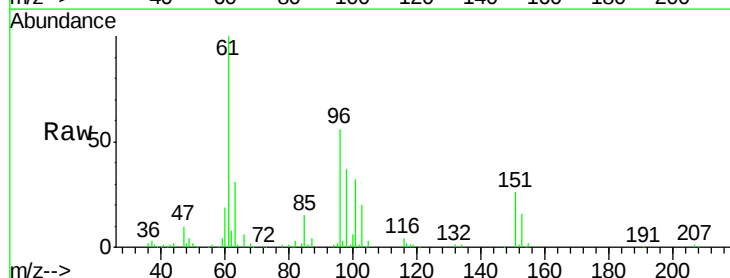
Tgt Ion: 96 Resp: 54638

Ion Ratio Lower Upper

96 100

61 177.1 137.0 205.6

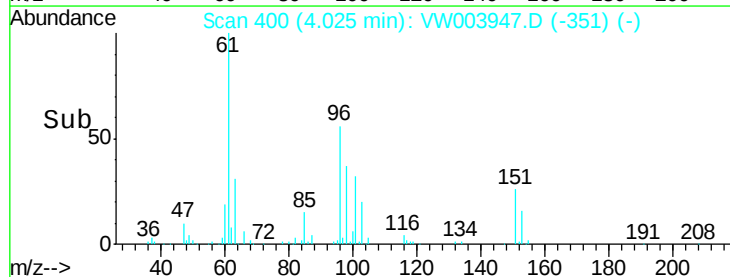
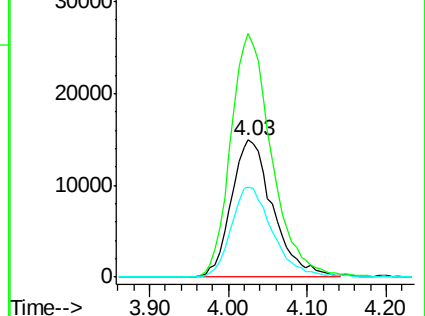
98 66.1 50.2 75.4

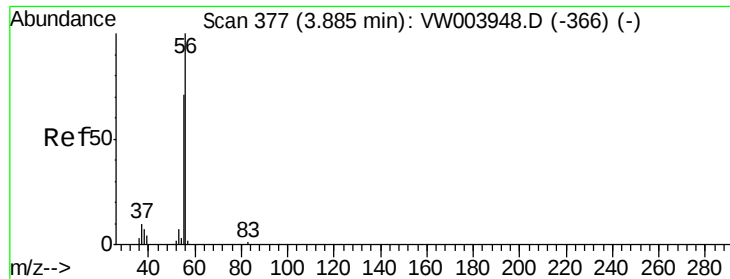


Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW





#13

Acrolein

Concen: 98.74 ug/l

RT: 3.89 min Scan# 378

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

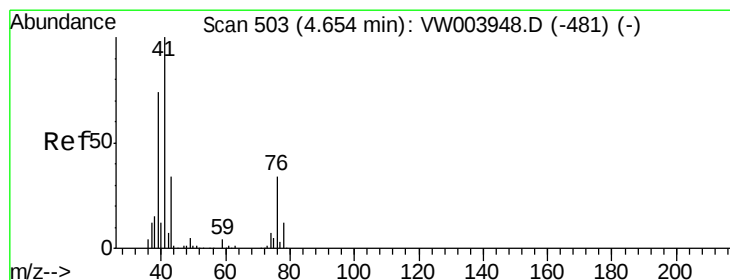
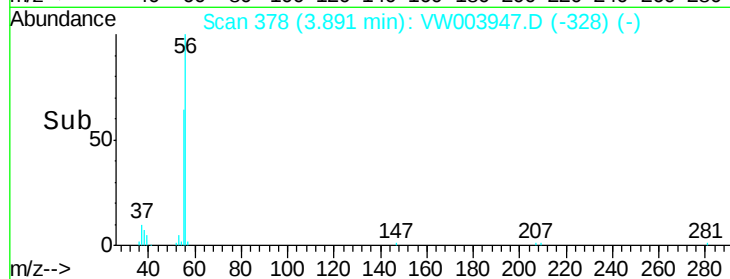
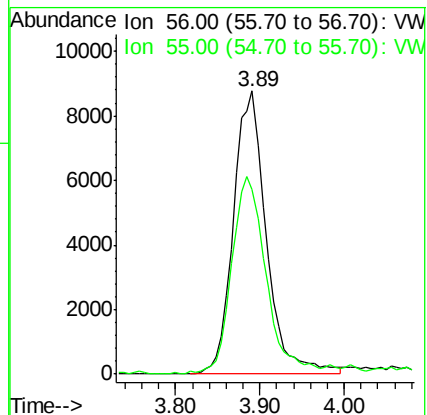
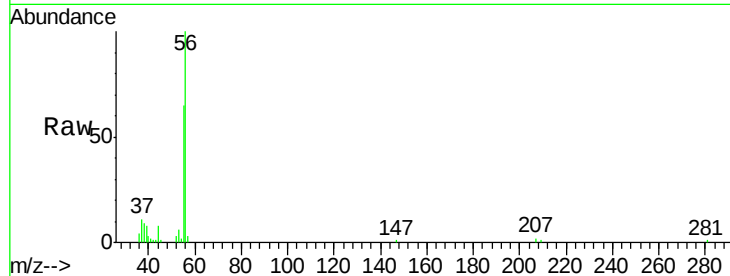
VSTDIC020

Tot Ion: 56 Resp: 23219

Ion Ratio Lower Upper

56 100

55 73.0 58.2 87.4



#14

Allyl chloride

Concen: 19.20 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

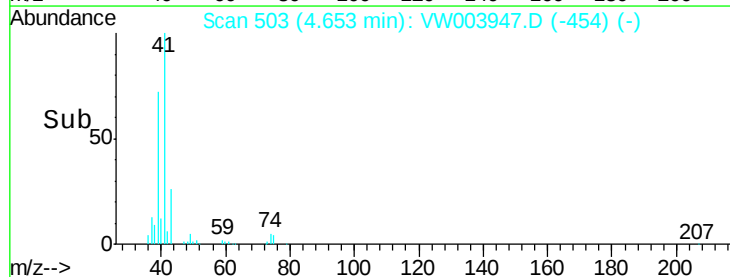
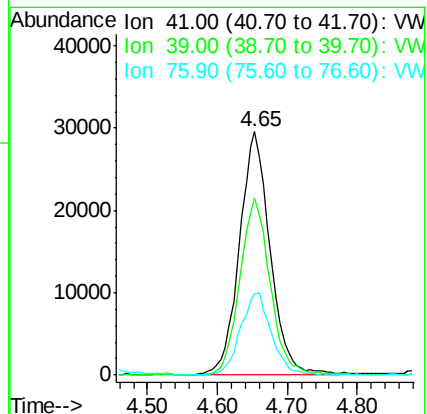
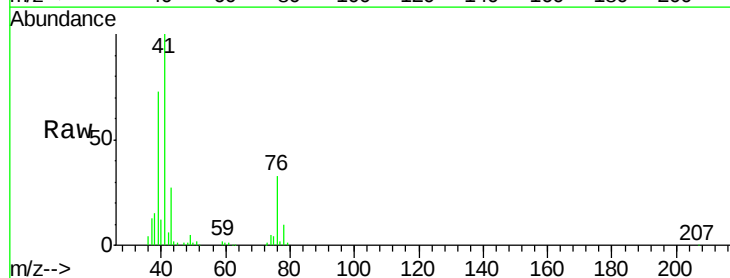
Tgt Ion: 41 Resp: 89464

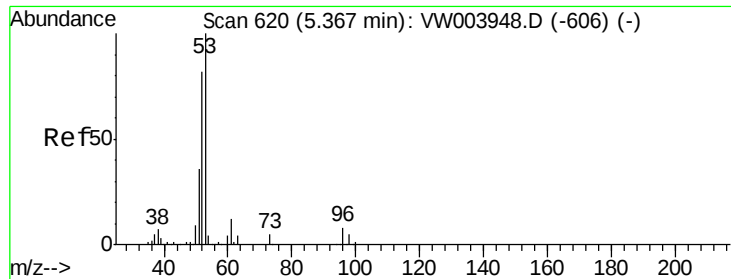
Ion Ratio Lower Upper

41 100

39 72.7 57.0 85.4

76 34.0 26.5 39.7





#15

Acrylonitrile

Concen: 101.19 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

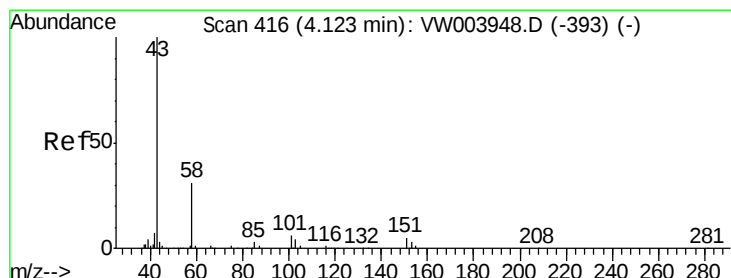
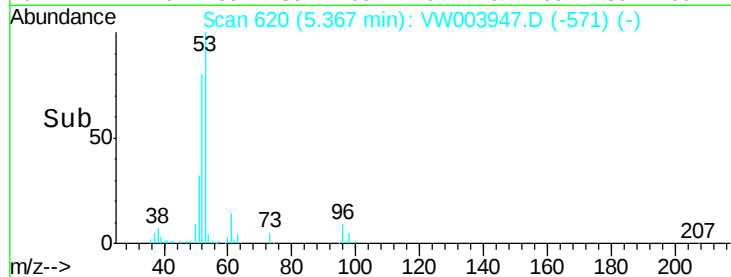
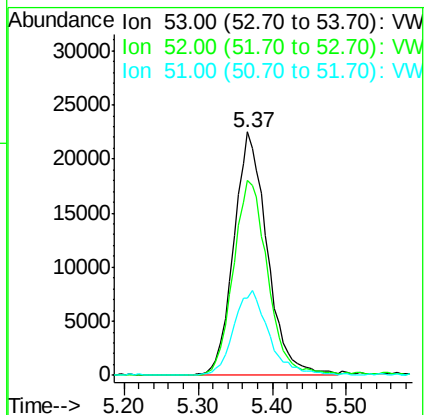
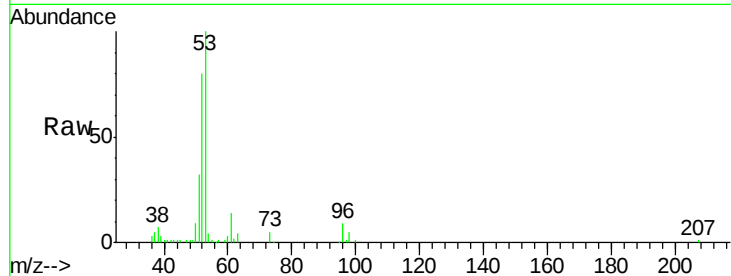
Tot Ion: 53 Resp: 70821

Ion Ratio Lower Upper

53 100

52 82.3 66.1 99.1

51 36.9 29.8 44.6



#16

Acetone

Concen: 94.02 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003947.D

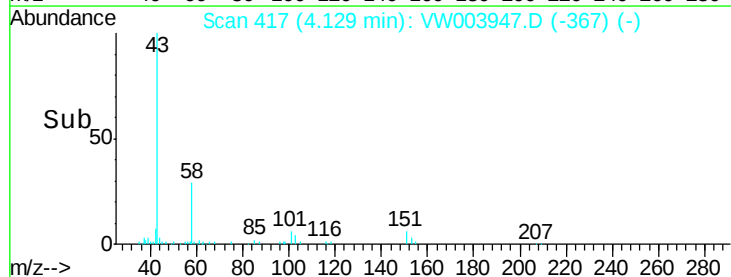
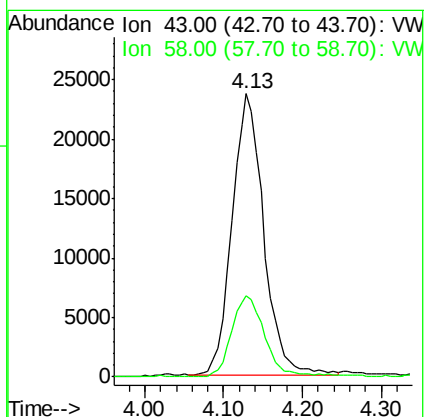
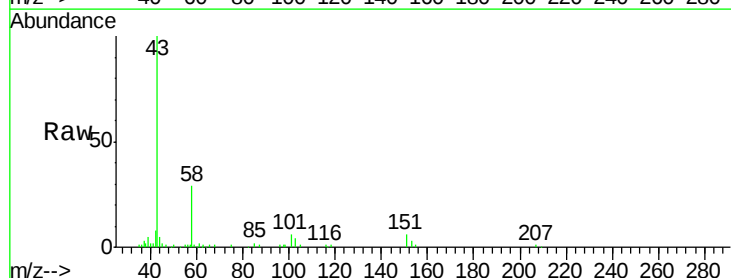
Acq: 16 Jul 2018 12:49

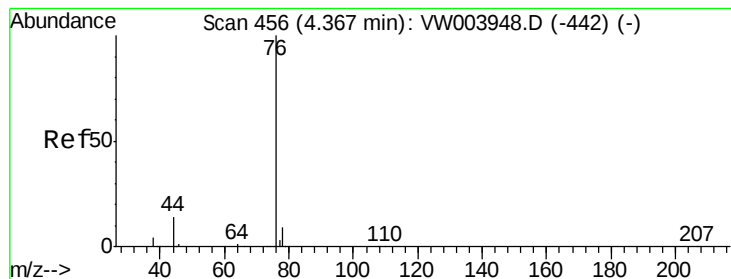
Tgt Ion: 43 Resp: 66052

Ion Ratio Lower Upper

43 100

58 28.7 24.5 36.7





#17

Carbon Disulfide

Concen: 20.25 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

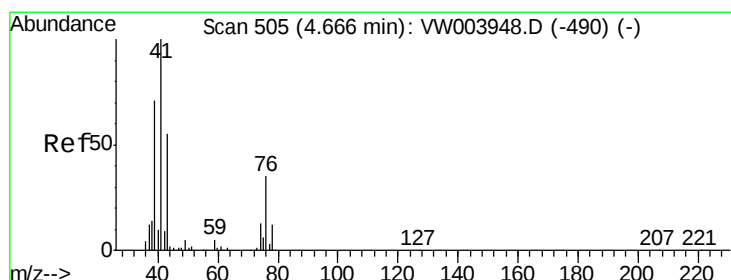
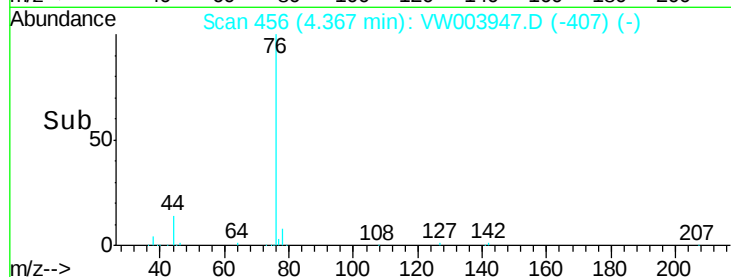
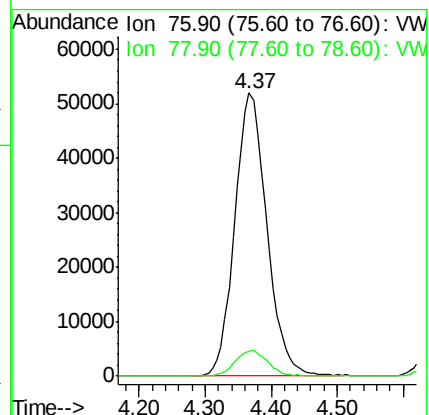
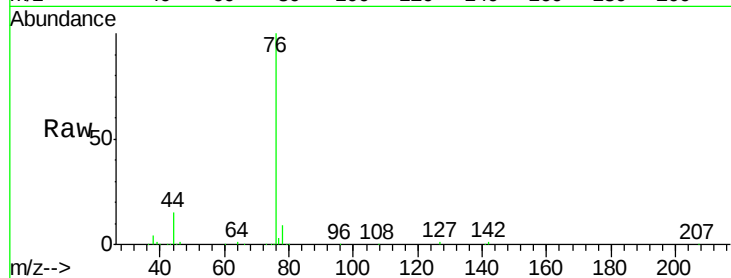
VSTDIC020

Tot Ion: 76 Resp: 175221

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 19.35 ug/l

RT: 4.67 min Scan# 506

Delta R.T. 0.01 min

Lab File: VW003947.D

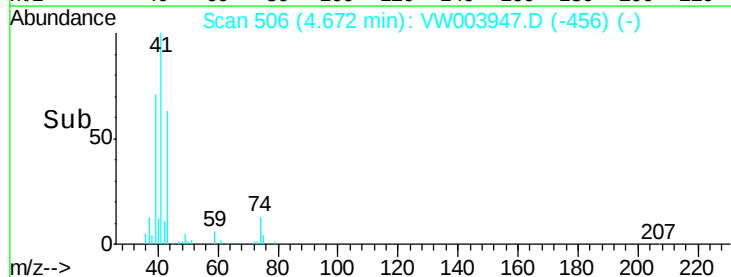
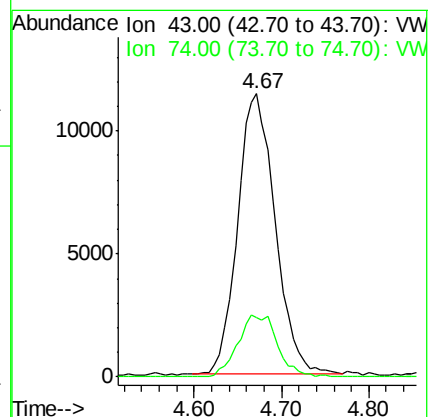
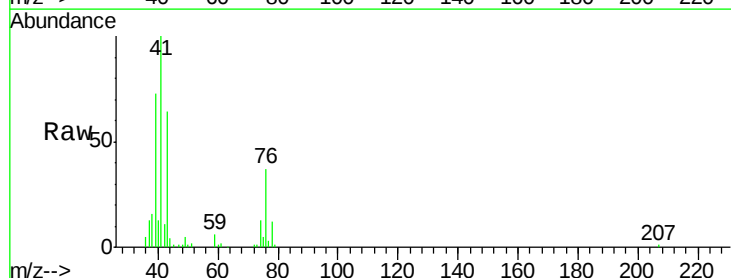
Acq: 16 Jul 2018 12:49

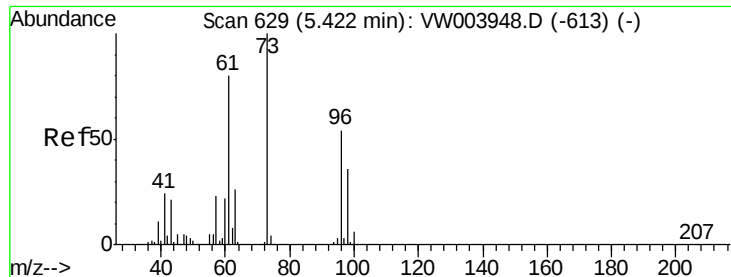
Tgt Ion: 43 Resp: 34129

Ion Ratio Lower Upper

43 100

74 23.0 17.7 26.5

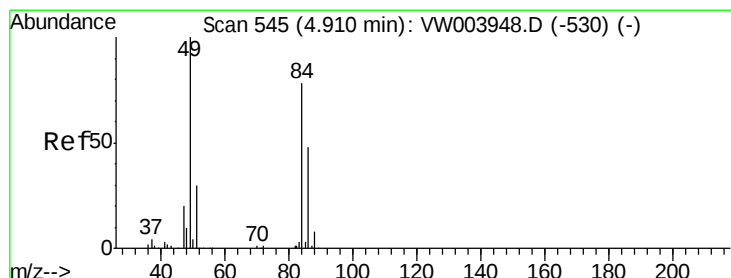
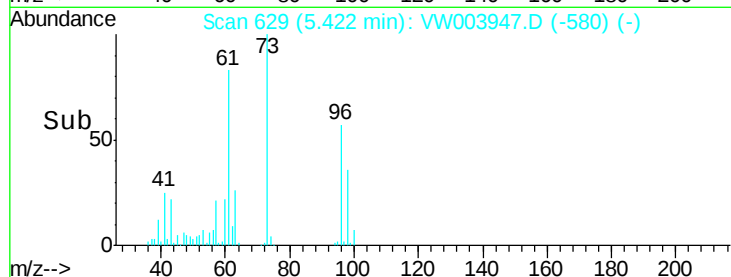
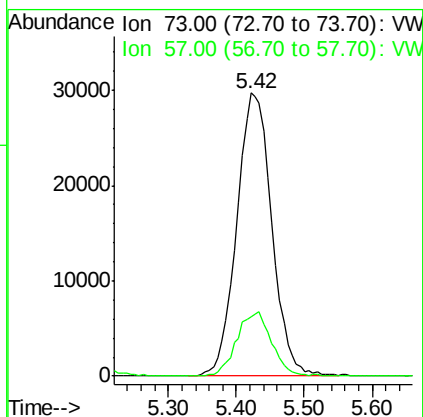
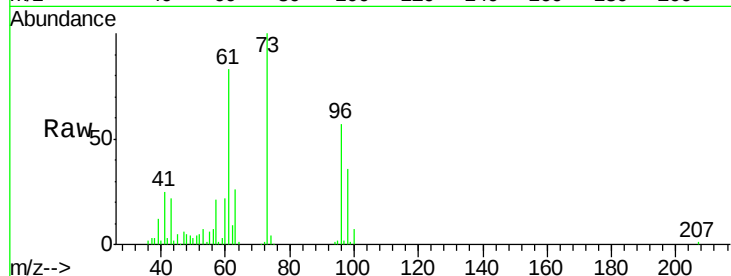




#19
Methyl tert-butyl Ether
Concen: 20.15 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

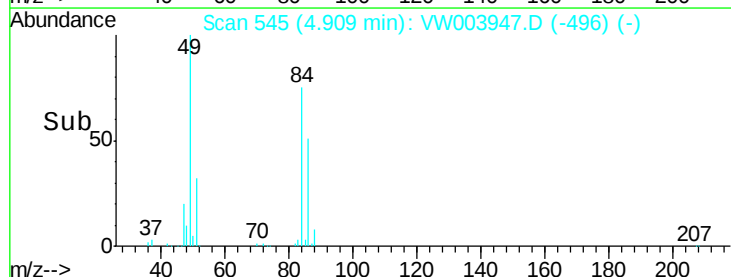
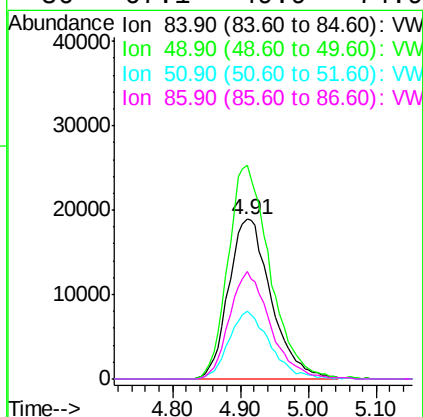
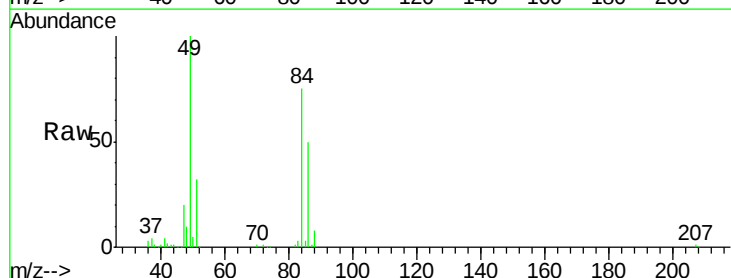
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

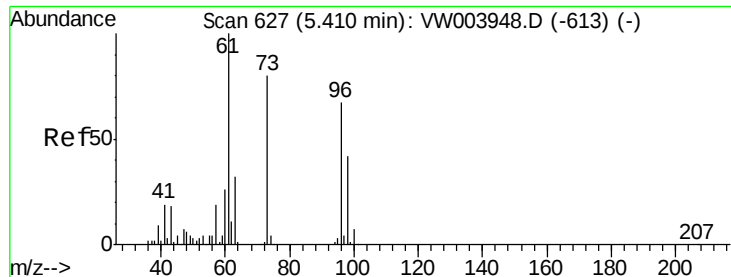
Tot Ion: 73 Resp: 106436
Ion Ratio Lower Upper
73 100
57 20.8 18.2 27.4



#20
Methylene Chloride
Concen: 17.73 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 84 Resp: 82316
Ion Ratio Lower Upper
84 100
49 133.8 102.9 154.3
51 42.3 30.9 46.3
86 67.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

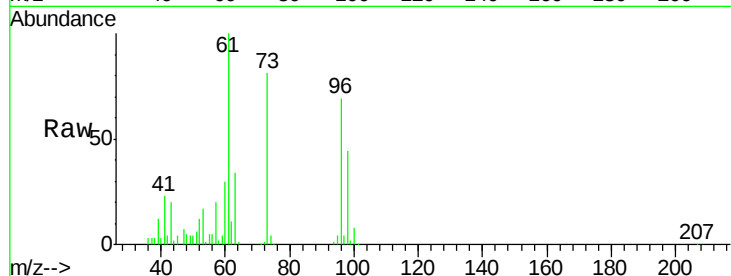
Tot Ion: 96 Resp: 61175

Ion Ratio Lower Upper

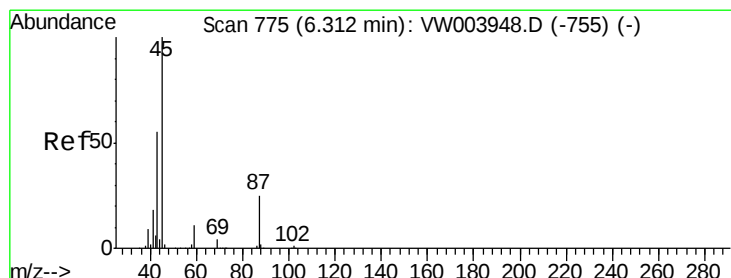
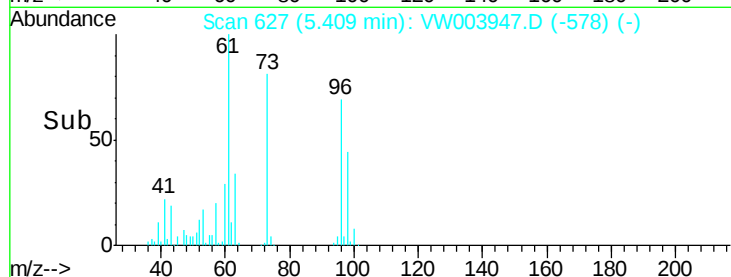
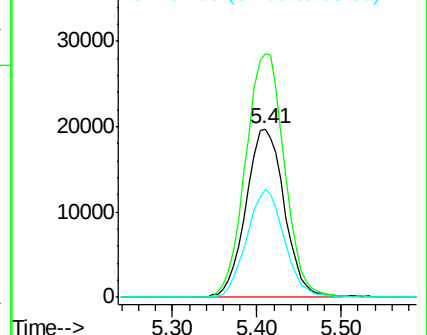
96 100

61 144.3 119.0 178.4

98 63.8 49.9 74.9



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



#22

Diisopropyl ether

Concen: 19.59 ug/l

RT: 6.31 min Scan# 775

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion: 45 Resp: 188596

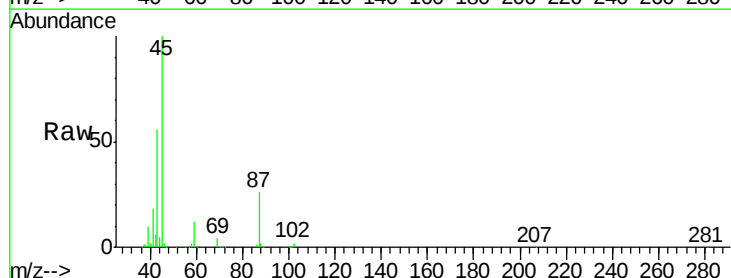
Ion Ratio Lower Upper

45 100

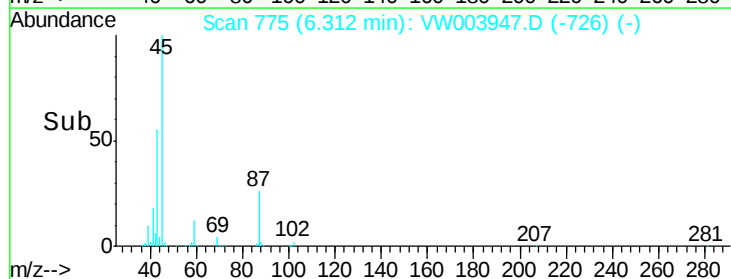
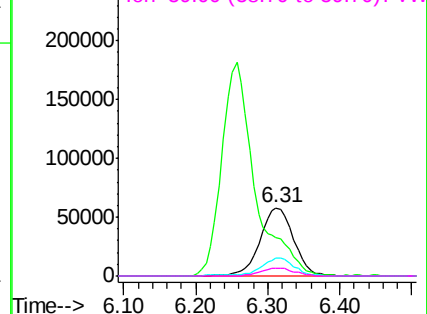
43 54.6 44.3 66.5

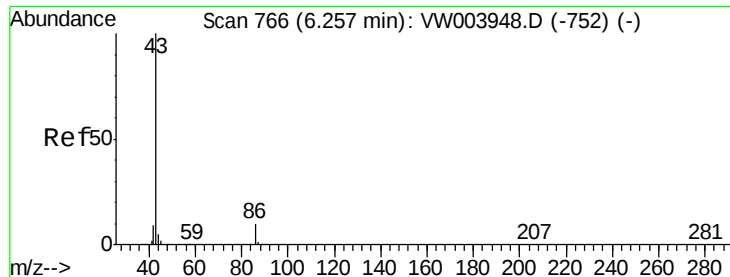
87 25.3 20.2 30.4

59 11.4 9.0 13.4



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: 99.51 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

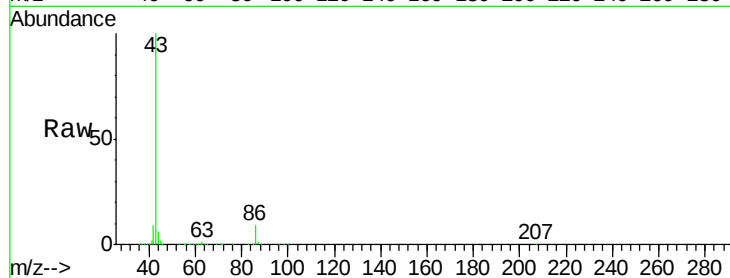
VSTDIC020

Tot Ion: 43 Resp: 586870

Ion Ratio Lower Upper

43 100

86 9.4 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

200000

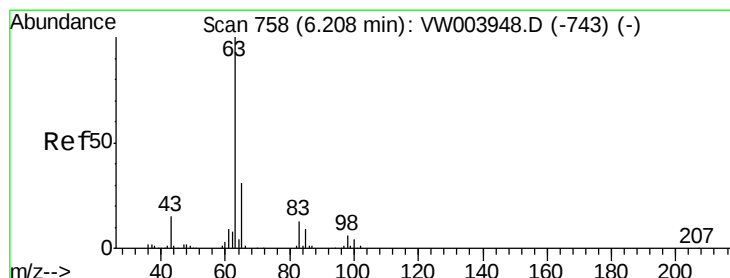
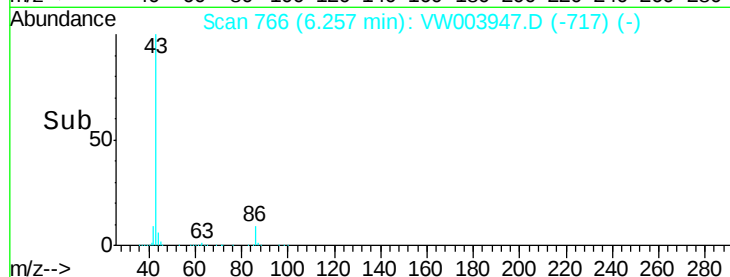
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.84 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

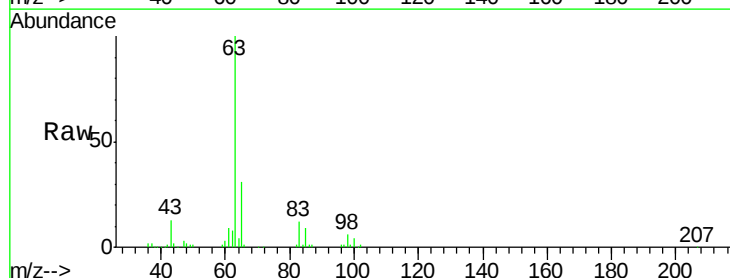
Tgt Ion: 63 Resp: 114393

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.4

100 4.4 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

50000

40000

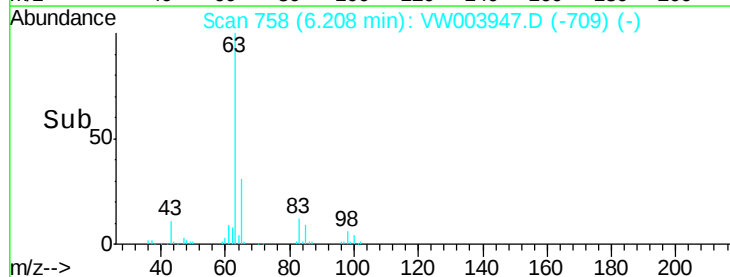
30000

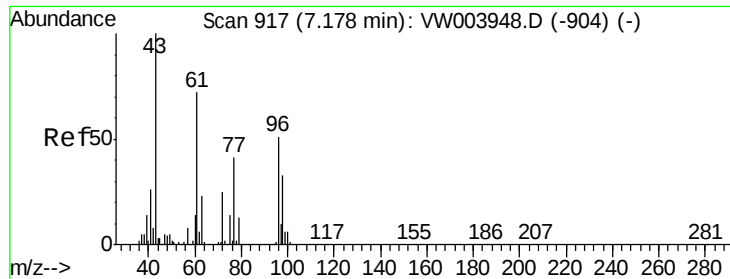
20000

10000

0

Time-->

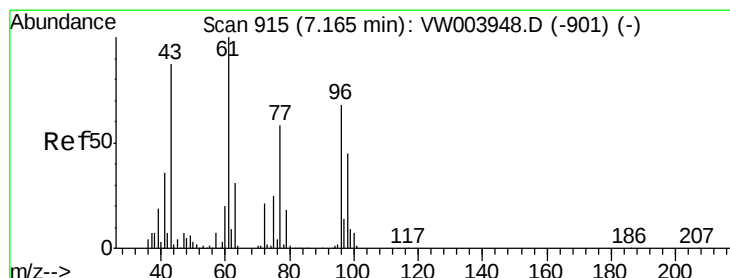
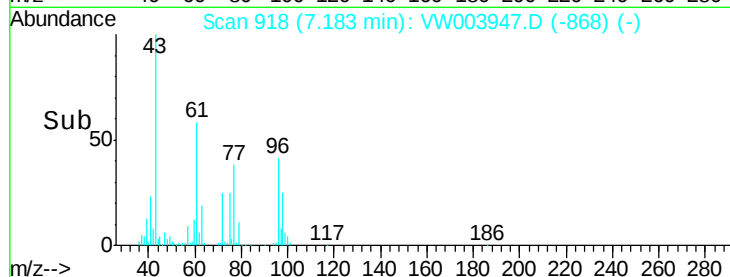
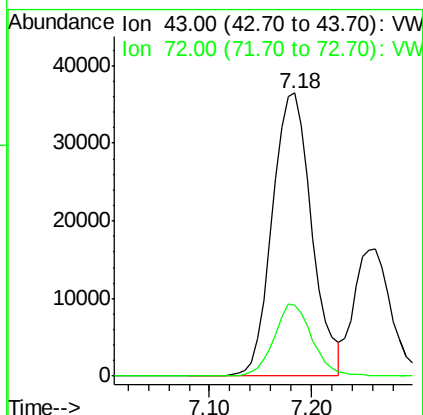
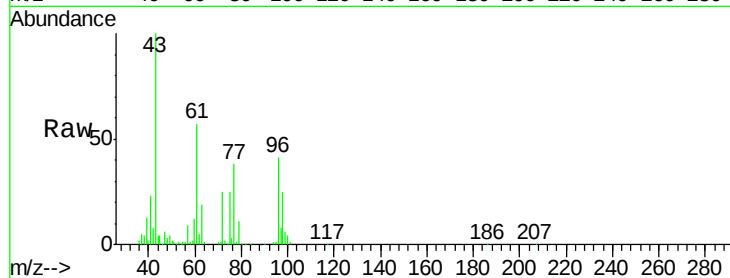




#25
2-Butanone
Concen: 100.27 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

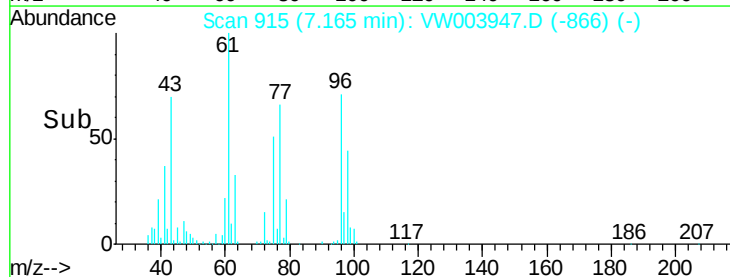
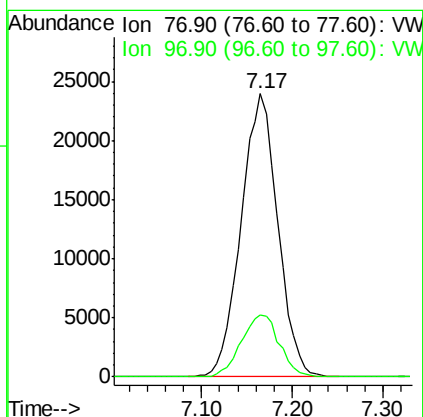
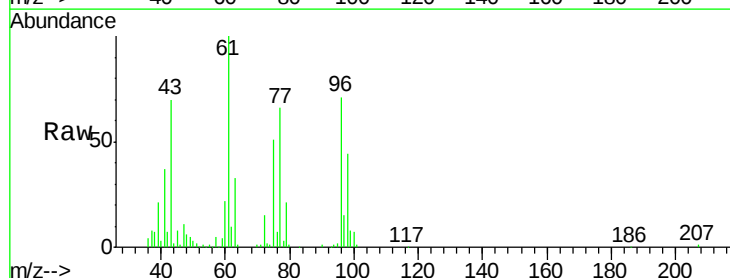
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

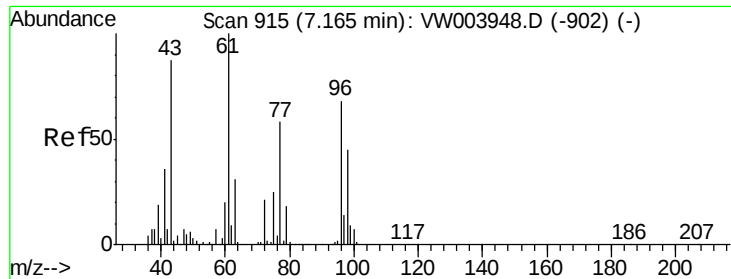
Tot Ion: 43 Resp: 98073
Ion Ratio Lower Upper
43 100
72 24.8 19.8 29.6



#26
2,2-Dichloropropane
Concen: 20.49 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 77 Resp: 66978
Ion Ratio Lower Upper
77 100
97 22.7 11.8 35.3



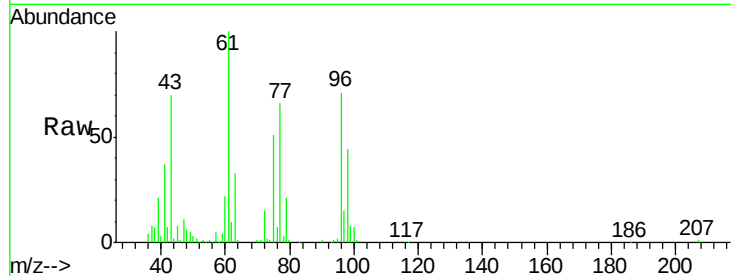


#27

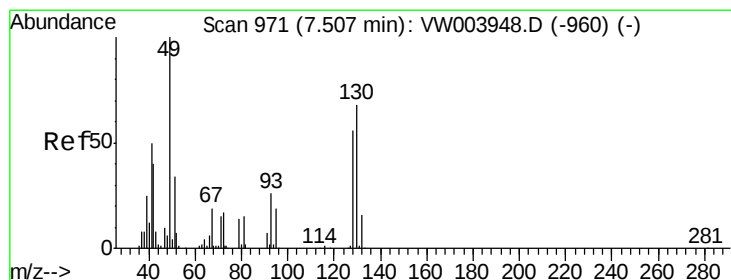
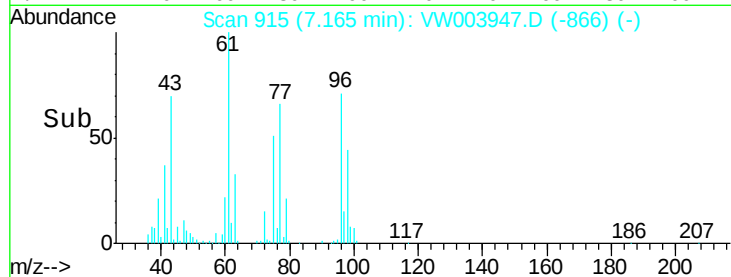
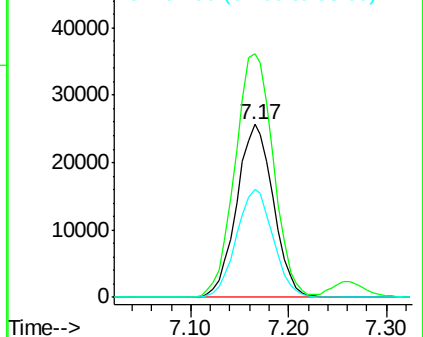
cis-1,2-Dichloroethene
 Concen: 20.09 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Tot Ion	96	Resp	66761
Ion	Ratio	Lower	Upper
96	100		
61	147.0	0.0	298.6
98	62.5	0.0	130.4



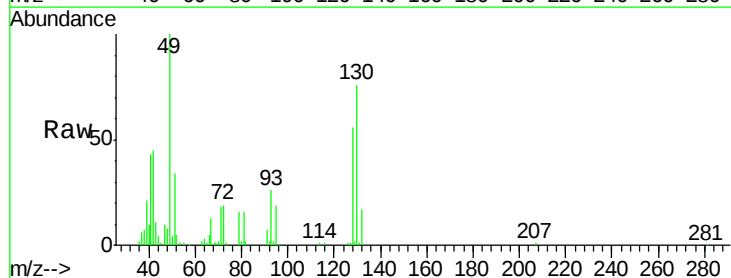
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



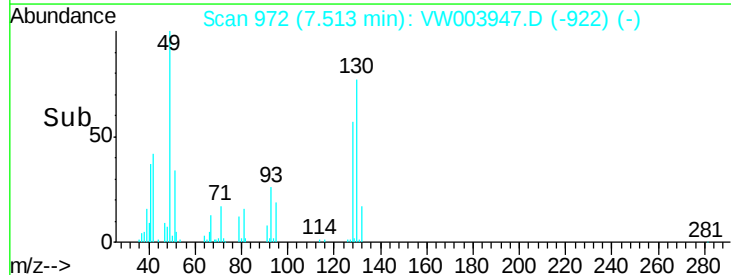
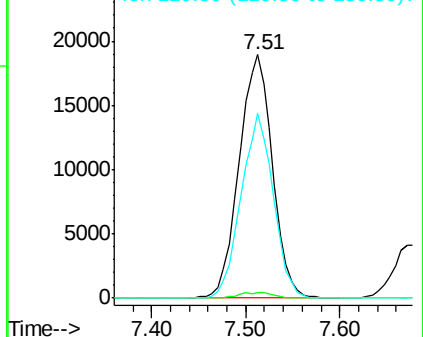
#28

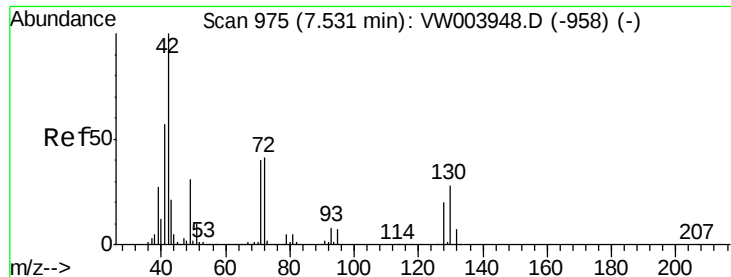
Bromochloromethane
 Concen: 18.68 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	49	Resp	46806
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	2.2#
130	73.5	58.3	87.5



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

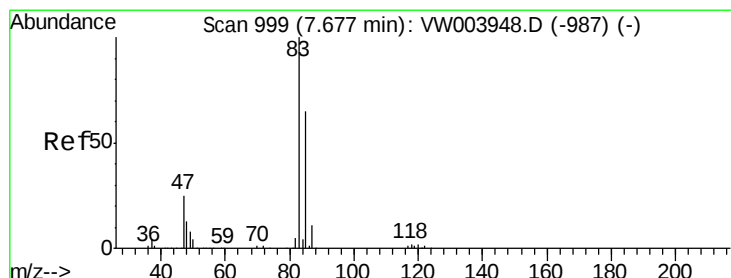
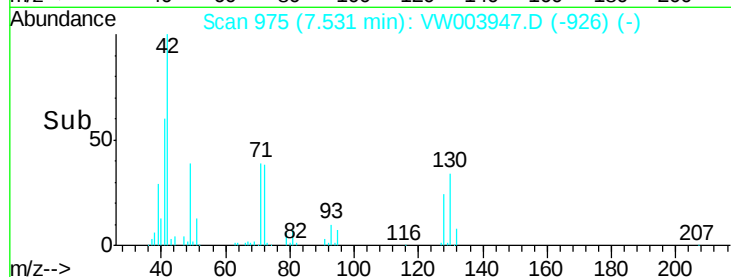
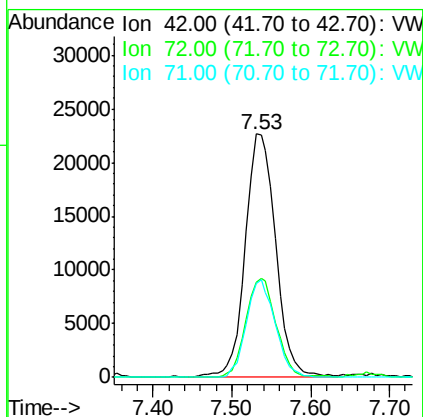
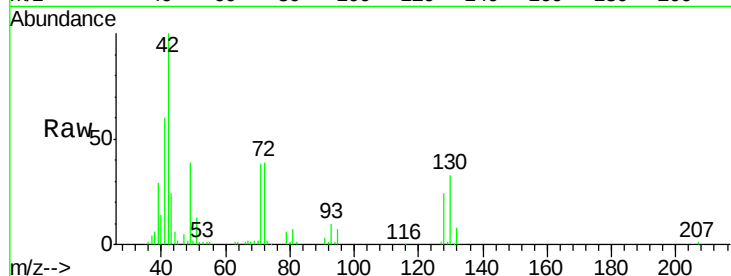




#29
Tetrahydrofuran
Concen: 98.91 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

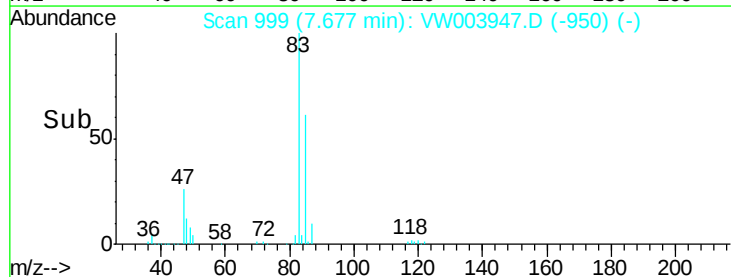
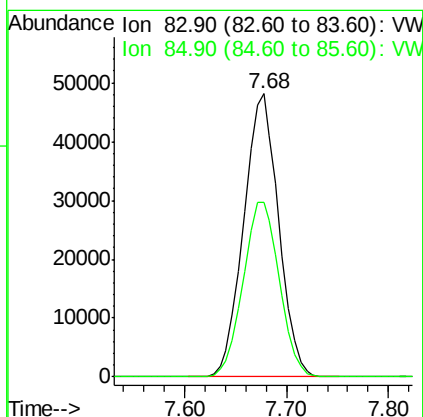
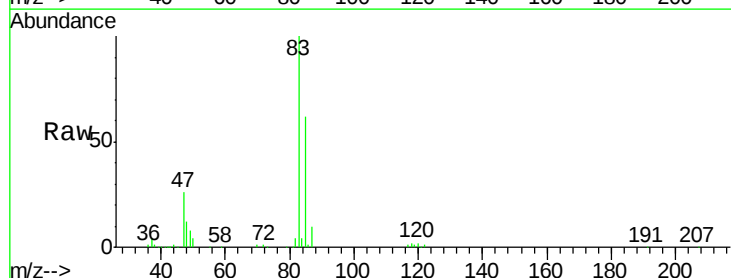
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

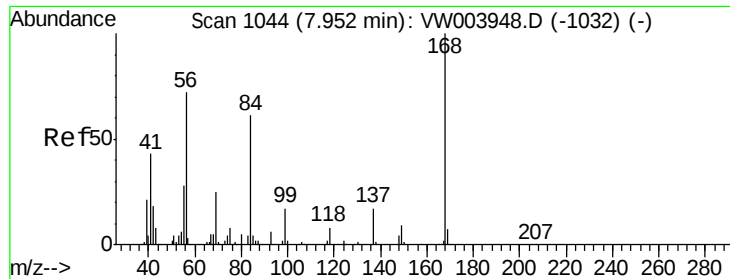
Tot Ion: 42 Resp: 61111
Ion Ratio Lower Upper
42 100
72 40.5 32.6 48.8
71 37.9 30.5 45.7



#30
Chloroform
Concen: 19.80 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 83 Resp: 114789
Ion Ratio Lower Upper
83 100
85 61.7 52.2 78.4

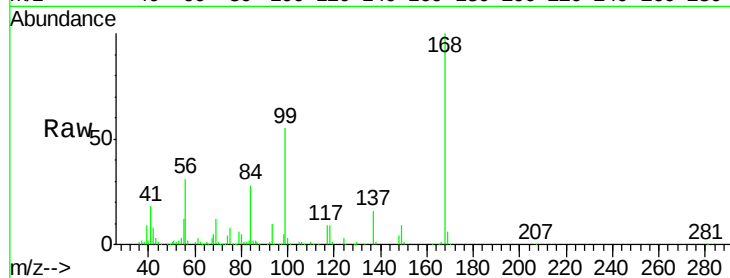




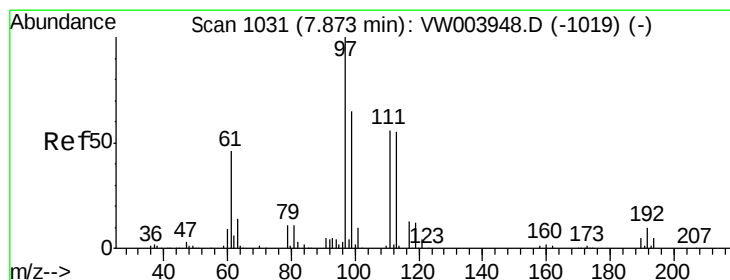
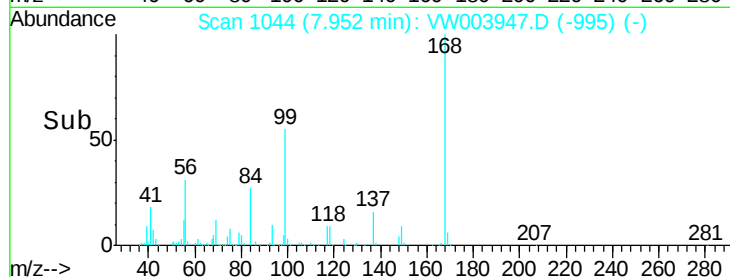
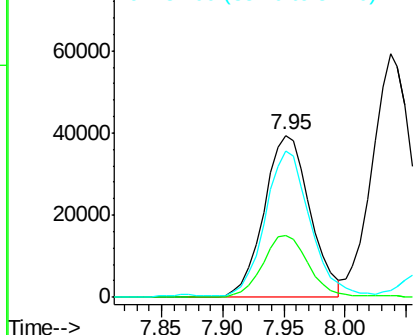
#31
Cyclohexane
Concen: 19.38 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 56 Resp: 103113
Ion Ratio Lower Upper
56 100
69 38.5 27.8 41.8
84 88.8 67.2 100.8

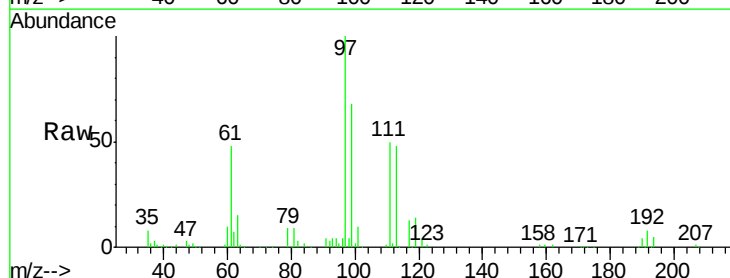


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

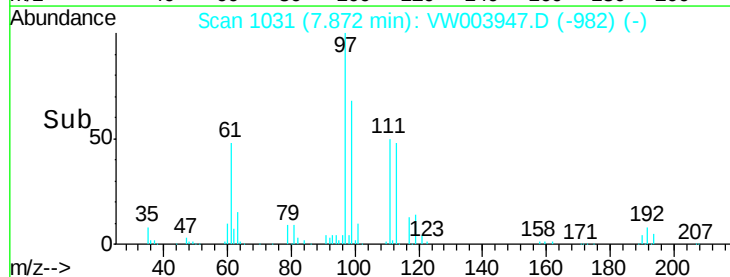
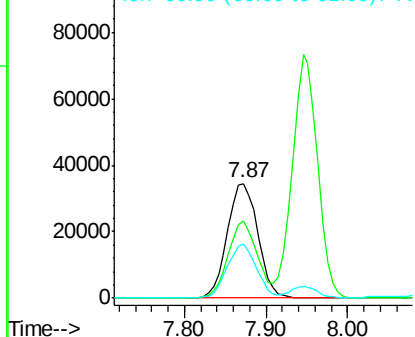


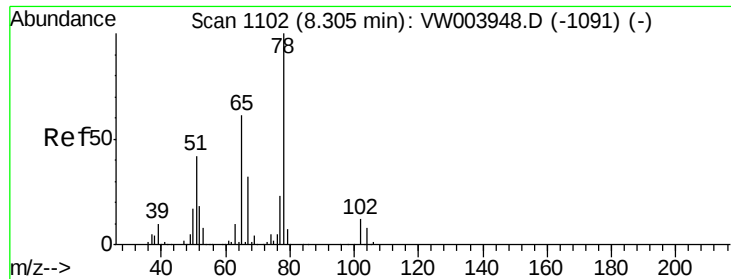
#32
1,1,1-Trichloroethane
Concen: 19.77 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 97 Resp: 88995
Ion Ratio Lower Upper
97 100
99 64.9 51.3 76.9
61 45.4 36.8 55.2



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

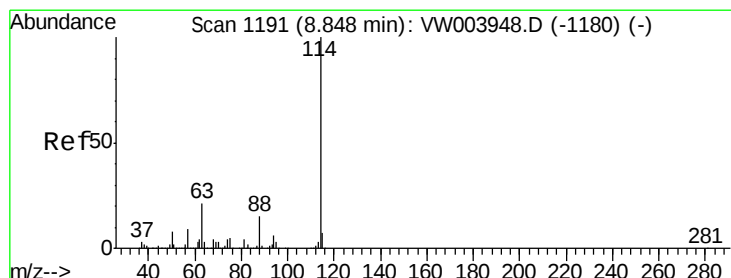
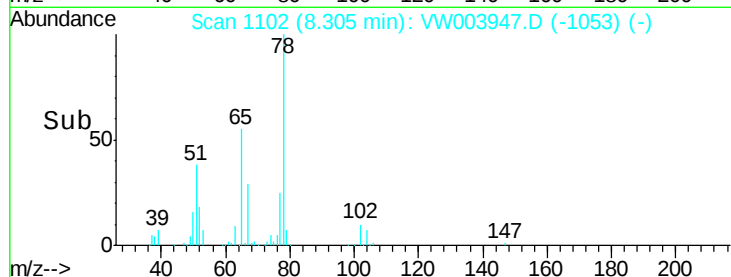
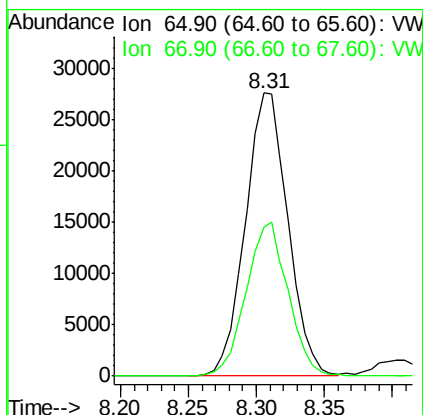
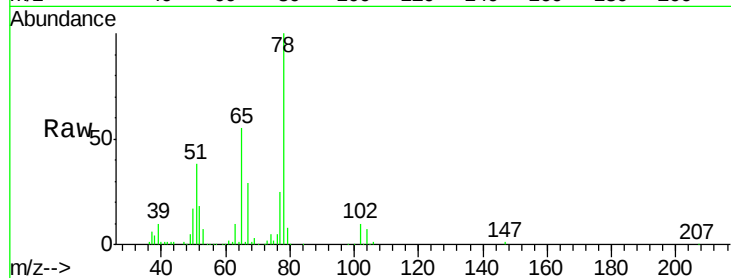




#33
 1,2-Dichloroethane-d4
 Concen: 18.21 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

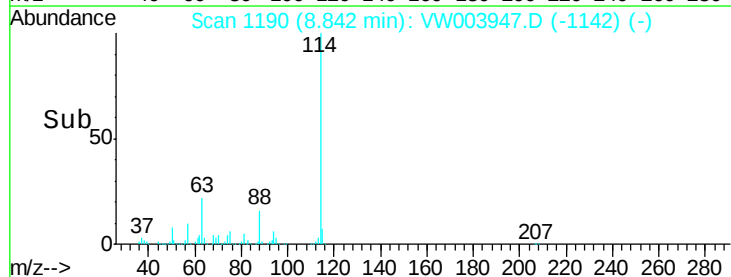
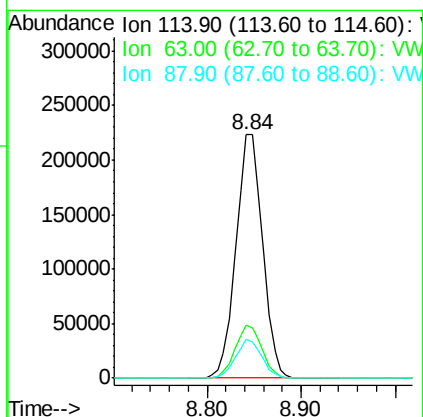
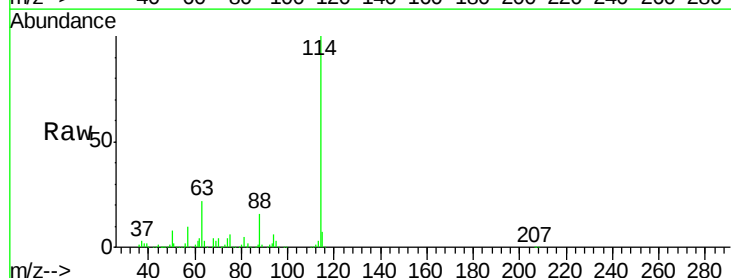
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

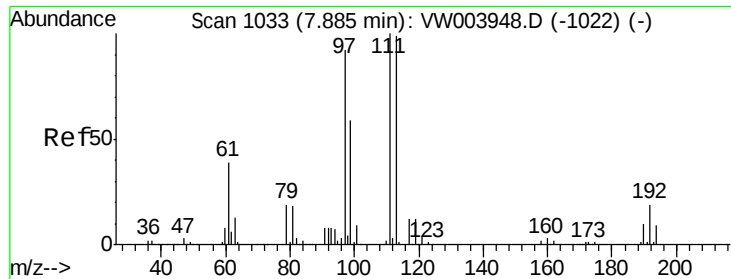
Tot Ion: 65 Resp: 60389
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 114 Resp: 437467
 Ion Ratio Lower Upper
 114 100
 63 21.8 0.0 42.8
 88 15.9 0.0 30.4

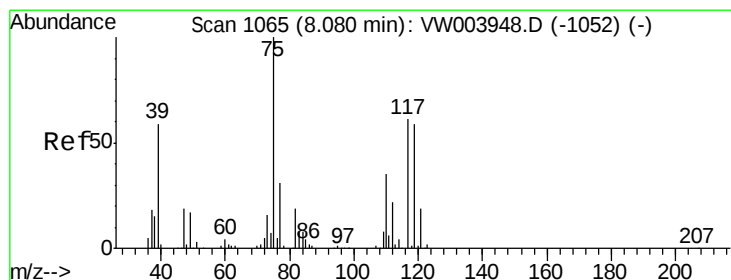
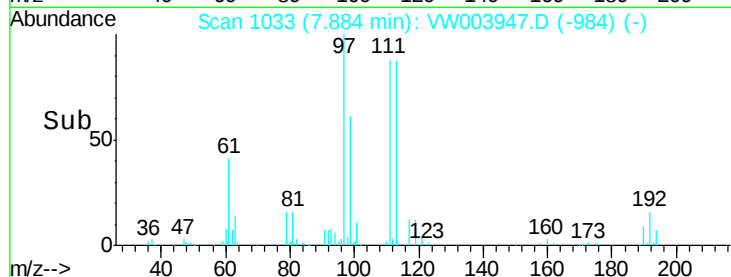
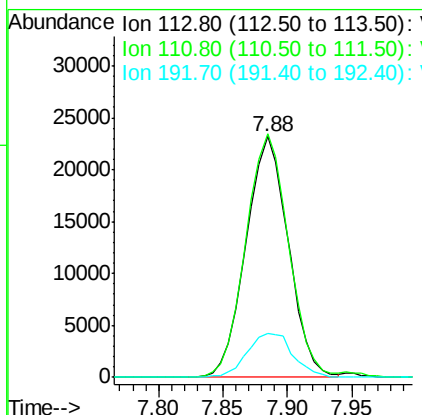
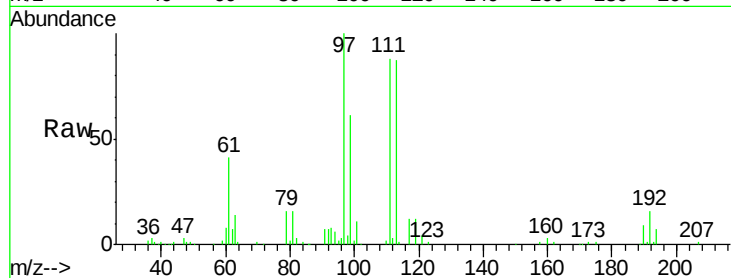




#35
Dibromofluoromethane
Concen: 18.27 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

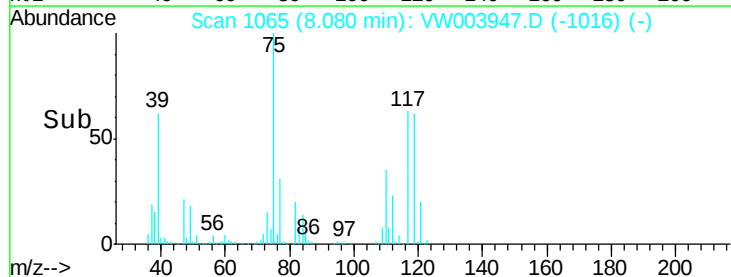
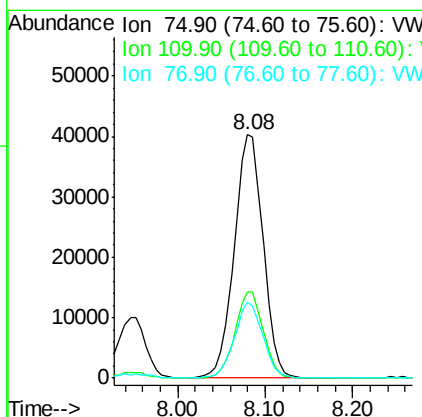
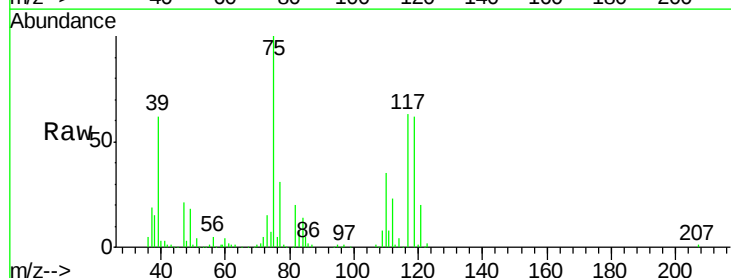
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

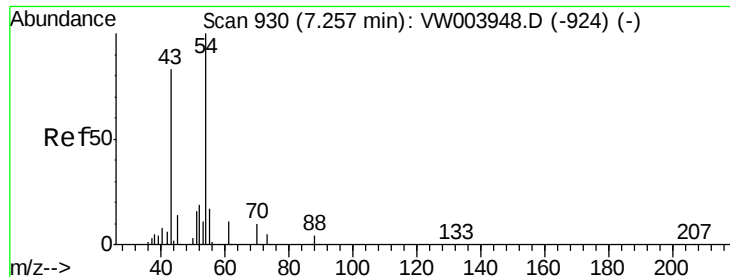
Tot Ion:113 Resp: 52812
Ion Ratio Lower Upper
113 100
111 102.4 81.3 121.9
192 19.8 15.8 23.6



#36
1,1-Dichloropropene
Concen: 20.34 ug/l
RT: 8.08 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 75 Resp: 92772
Ion Ratio Lower Upper
75 100
110 34.4 17.0 51.0
77 30.7 24.9 37.3

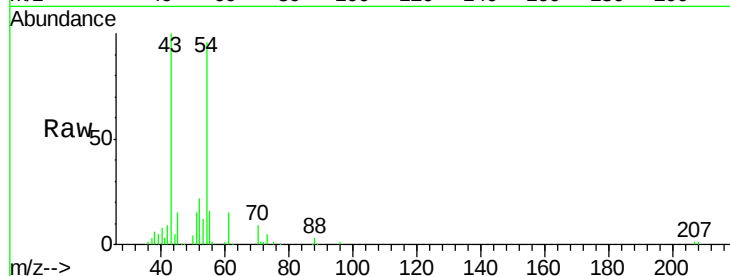




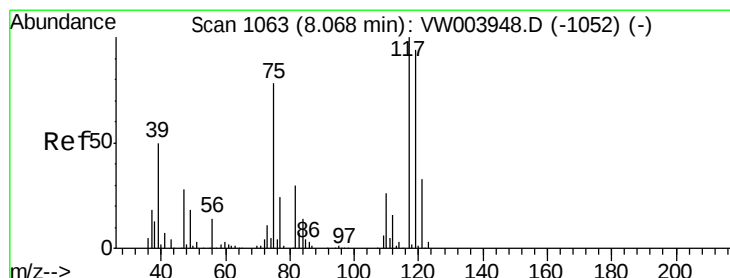
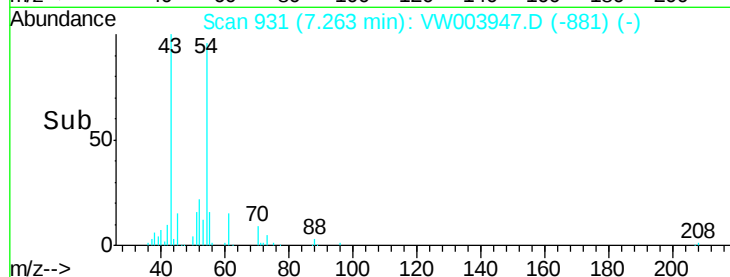
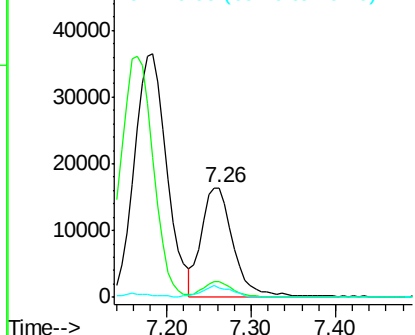
#37
Ethyl Acetate
Concen: 20.07 ug/l
RT: 7.26 min Scan# 931
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 42482
Ion Ratio Lower Upper
43 100
61 13.3 10.7 16.1
70 9.9 7.7 11.5

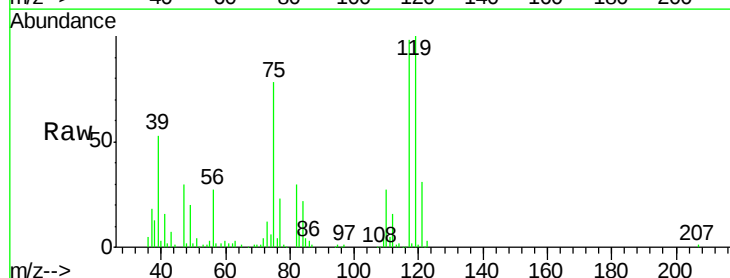


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

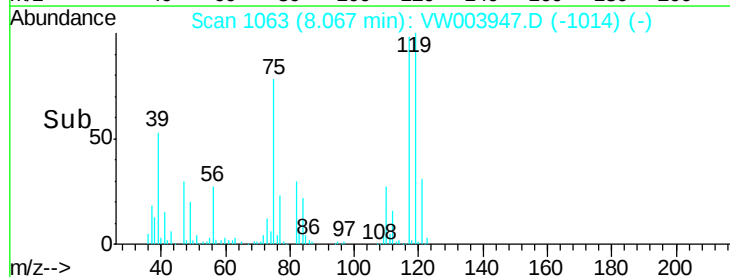
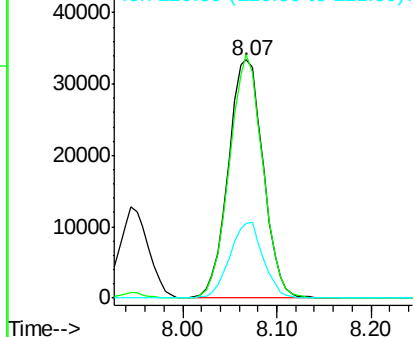


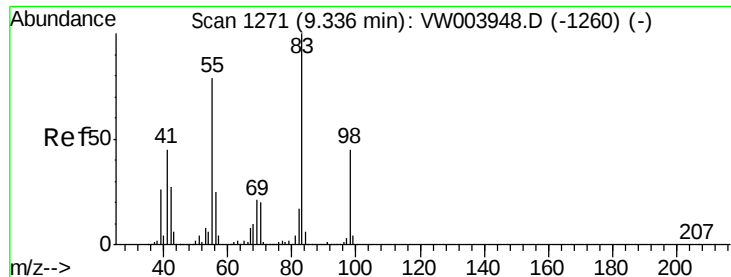
#38
Carbon Tetrachloride
Concen: 20.07 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 117 Resp: 85680
Ion Ratio Lower Upper
117 100
119 102.2 75.3 112.9
121 31.5 26.0 39.0



Abundance Ion 116.80 (116.50 to 117.50):
Ion 118.80 (118.50 to 119.50):
Ion 120.80 (120.50 to 121.50):

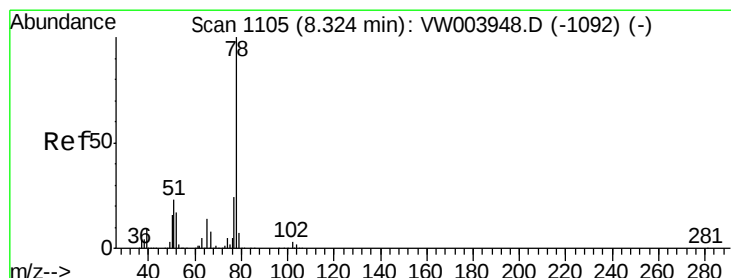
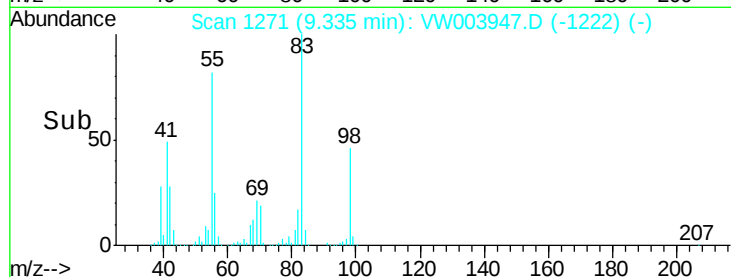
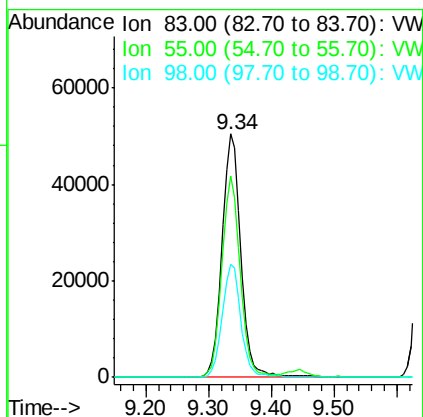
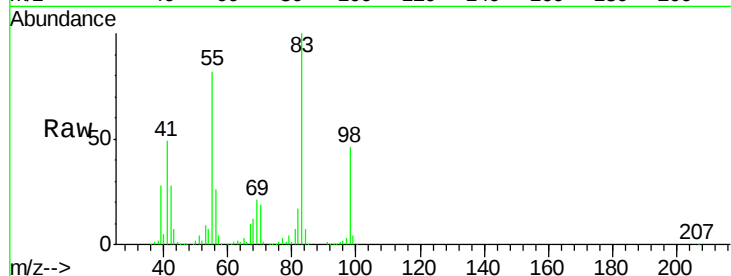




#39
Methvlcvclohexane
Concen: 20.23 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

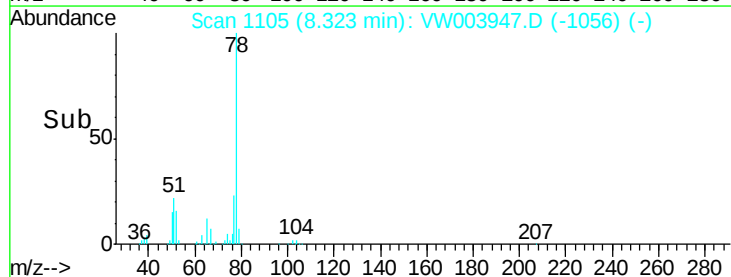
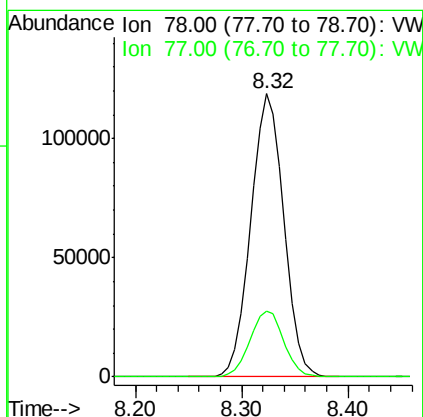
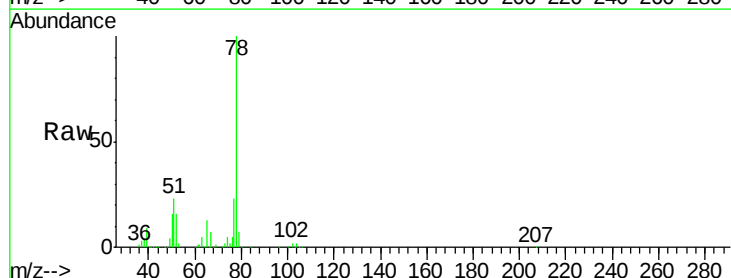
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

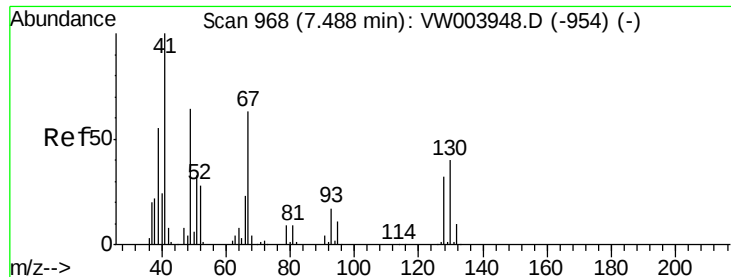
Tot Ion	83	Resp	105004
Ion Ratio	Lower	Upper	
83	100		
55	82.5	62.8	94.2
98	46.3	36.2	54.4



#40
Benzene
Concen: 20.30 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion	78	Resp	258918
Ion Ratio	Lower	Upper	
78	100		
77	23.3	19.5	29.3

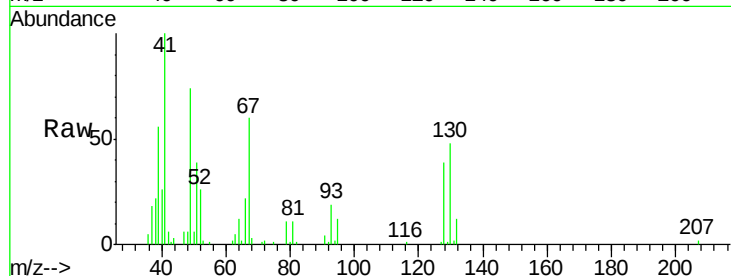




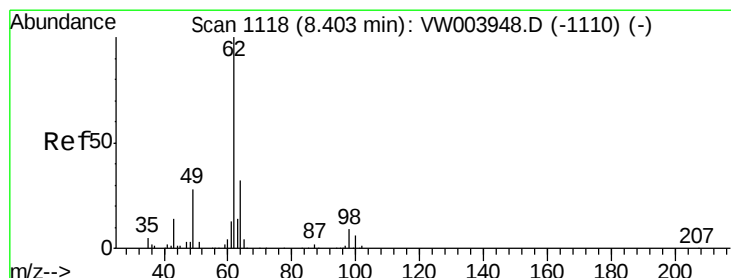
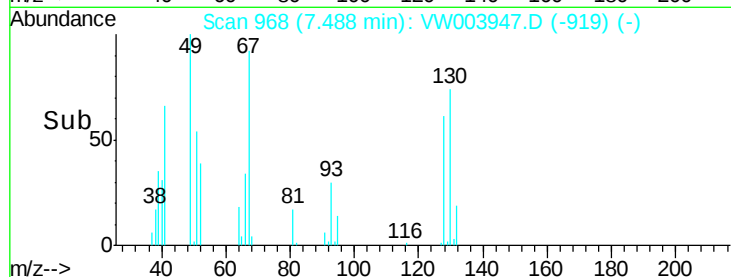
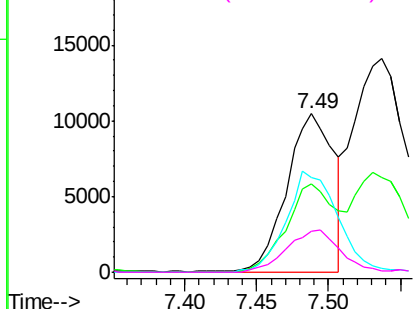
#41
Methacrylonitrile
Concen: 19.69 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	23954
Ion	Ratio	Lower	Upper
41	100		
39	61.5	50.0	75.0
67	68.9	60.8	91.2
52	30.6	26.2	39.4

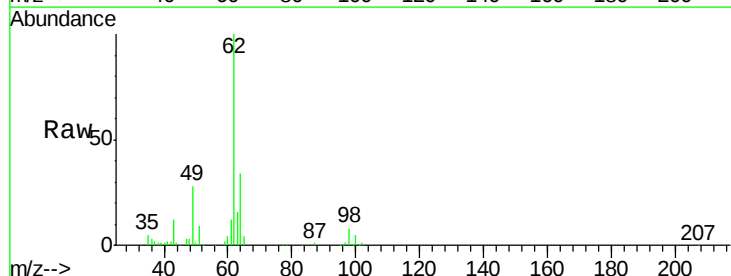


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

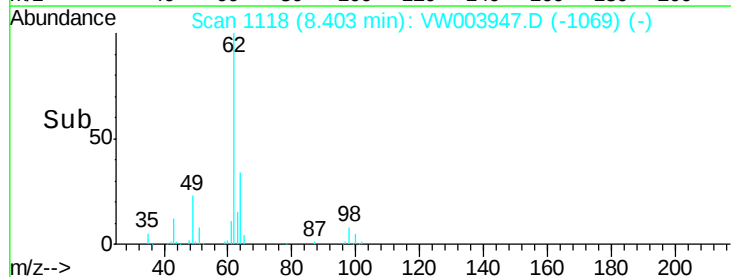
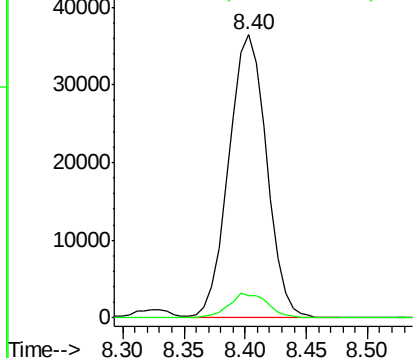


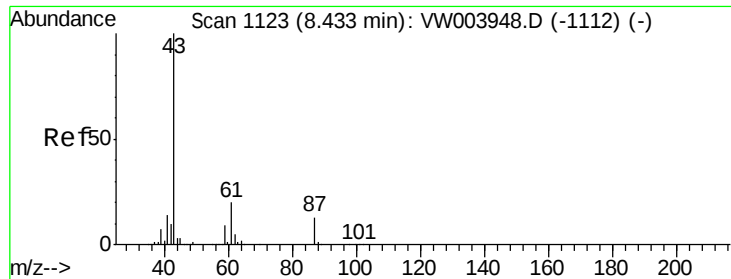
#42
1,2-Dichloroethane
Concen: 19.94 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:	62	Resp:	78347
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.4



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



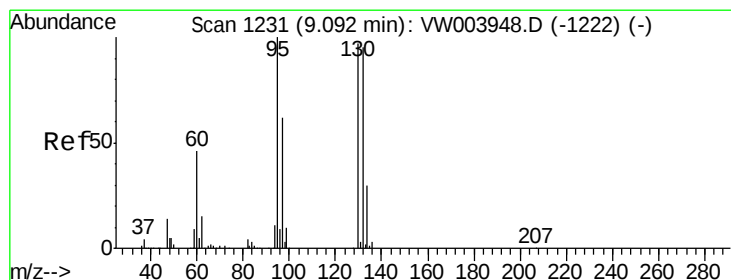
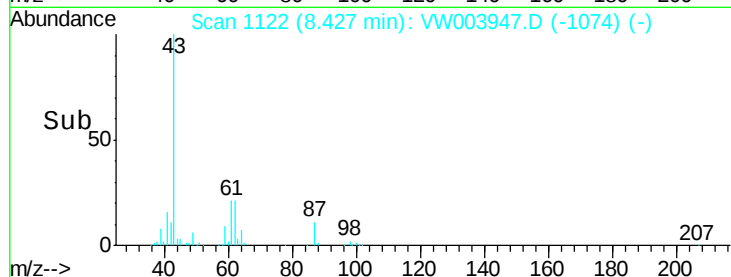
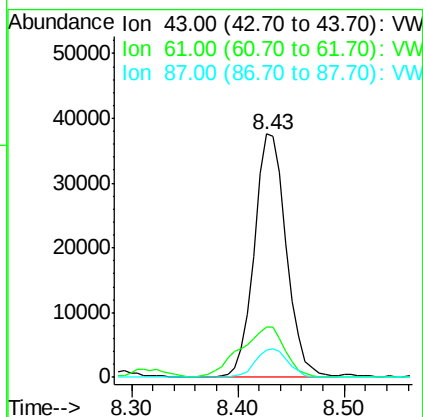
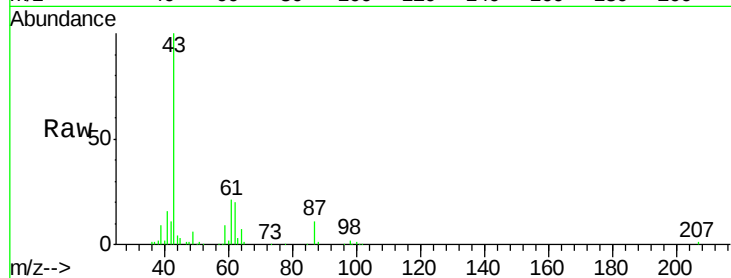


#43

Isopropyl Acetate
 Concen: 20.00 ug/l
 RT: 8.43 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDIC020

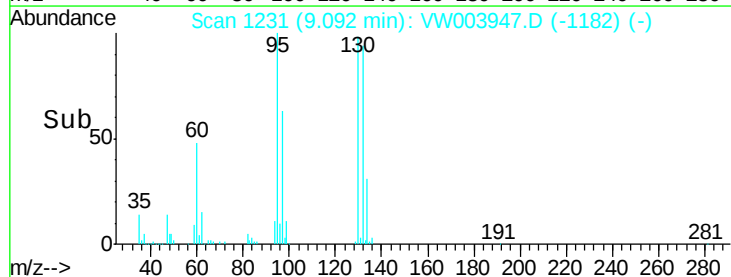
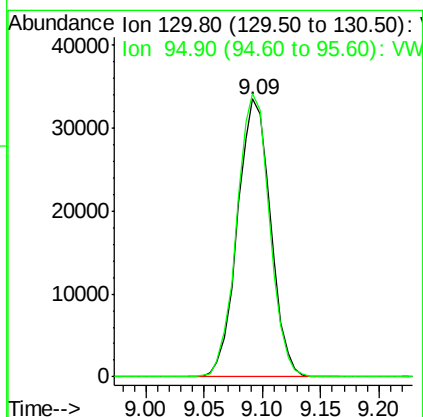
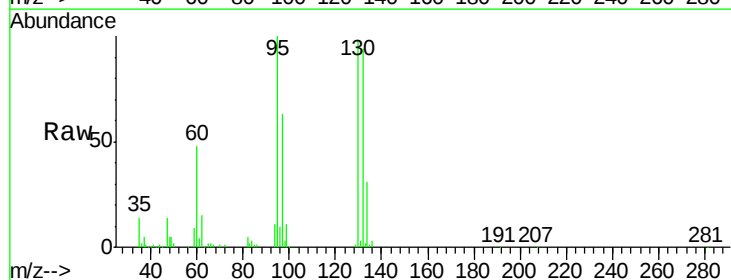
Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.0	34.6
87	11.9	9.9	14.9

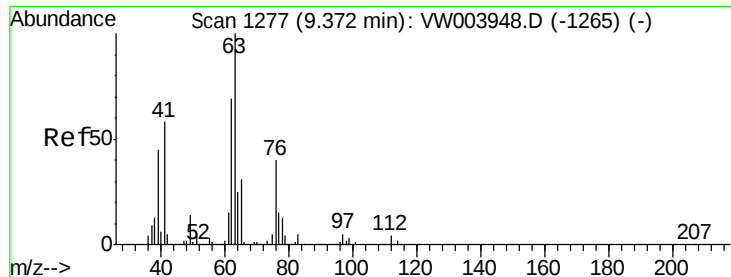


#44

Trichloroethene
 Concen: 20.45 ug/l
 RT: 9.09 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	206.8

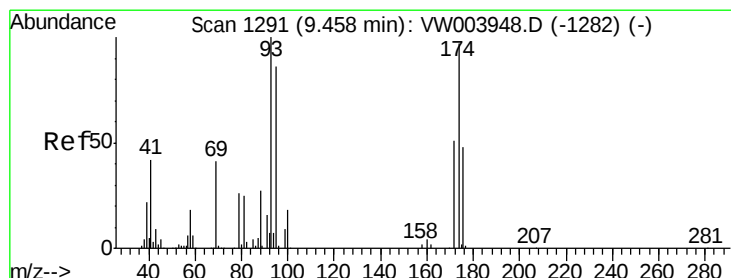
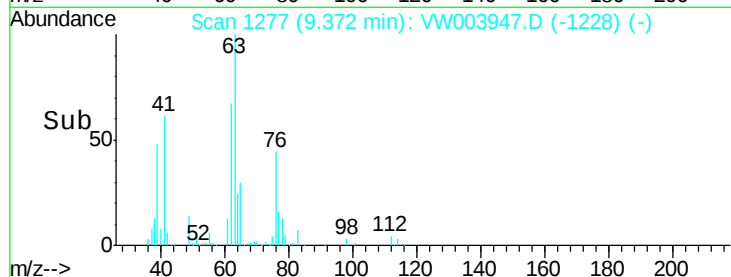
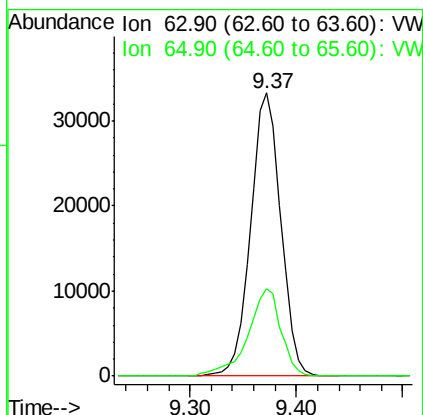
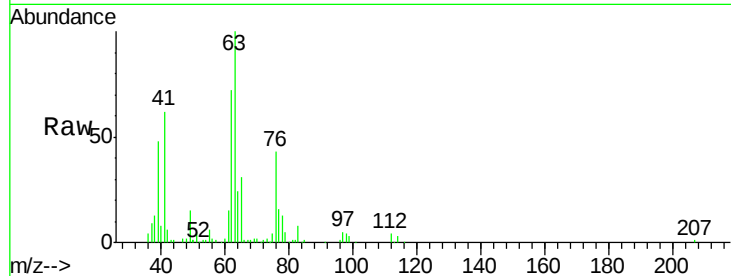




#45
 1,2-Dichloropropane
 Concen: 20.21 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

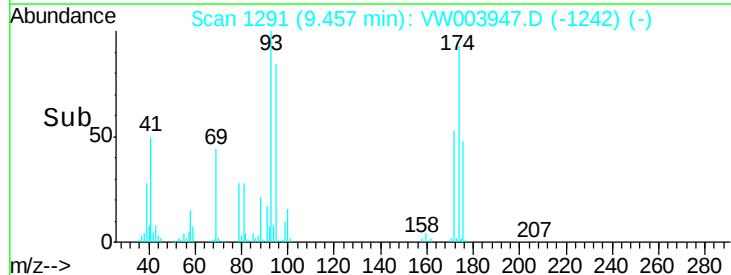
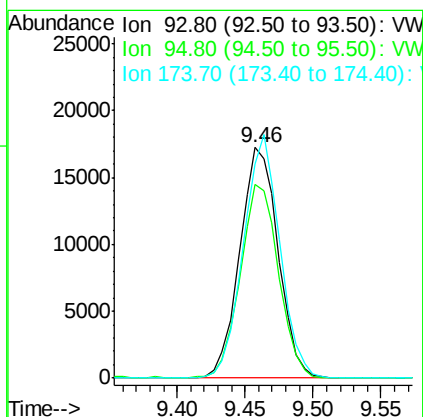
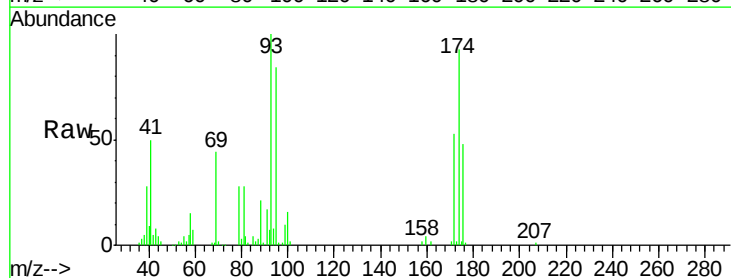
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

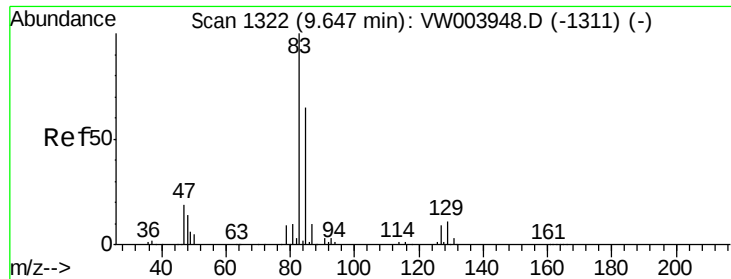
Tot Ion: 63 Resp: 66106
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.8 37.2



#46
 Dibromomethane
 Concen: 20.26 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 93 Resp: 34012
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.9 100.3
 174 100.3 80.2 120.2

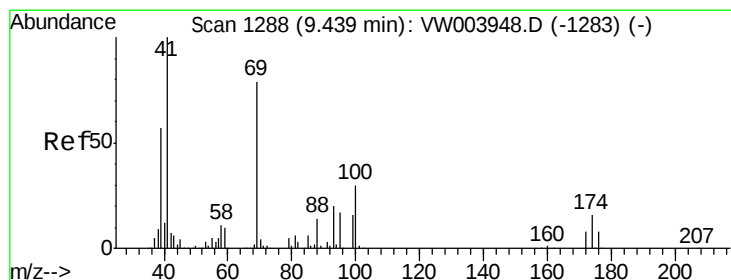
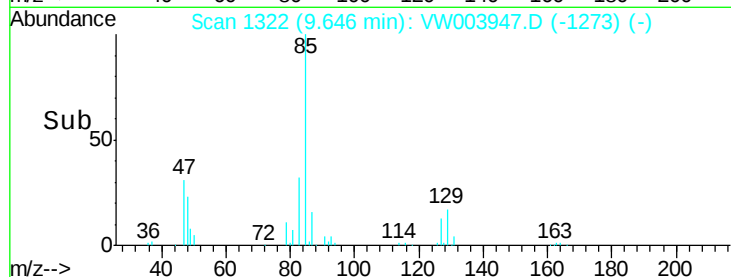
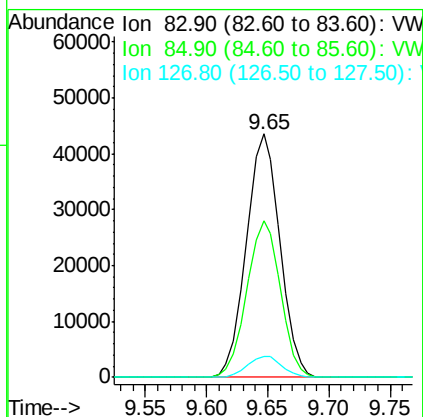
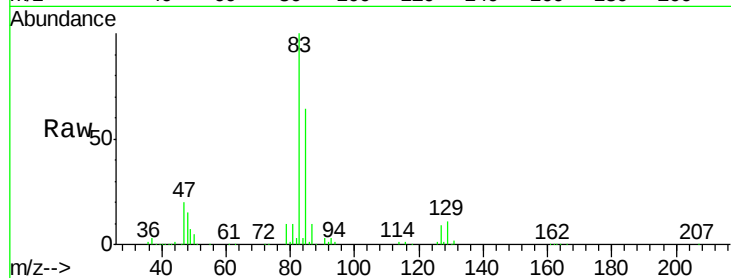




#47
Bromodichloromethane
Concen: 19.97 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

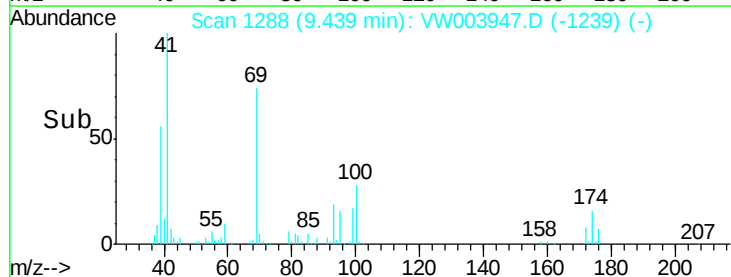
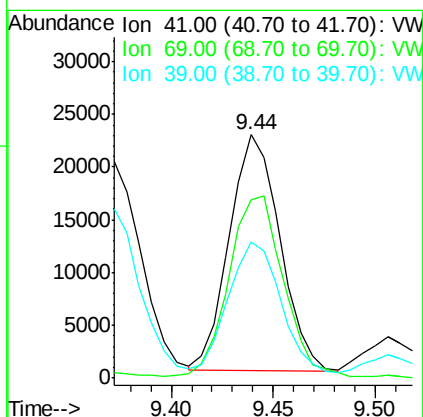
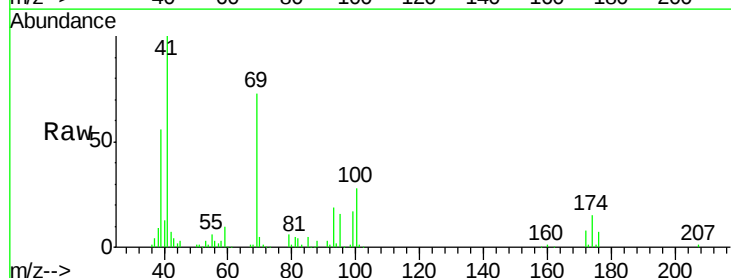
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

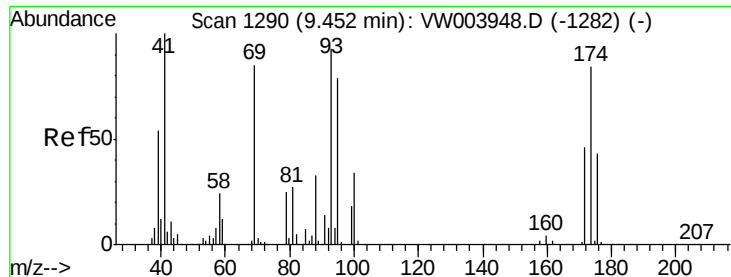
Tot Ion: 83 Resp: 83358
Ion Ratio Lower Upper
83 100
85 64.4 52.2 78.2
127 8.5 7.0 10.4



#48
Methyl methacrylate
Concen: 20.19 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 41 Resp: 38601
Ion Ratio Lower Upper
41 100
69 84.7 67.0 100.6
39 62.4 48.8 73.2





#49

1,4-Dioxane

Concen: 370.46 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

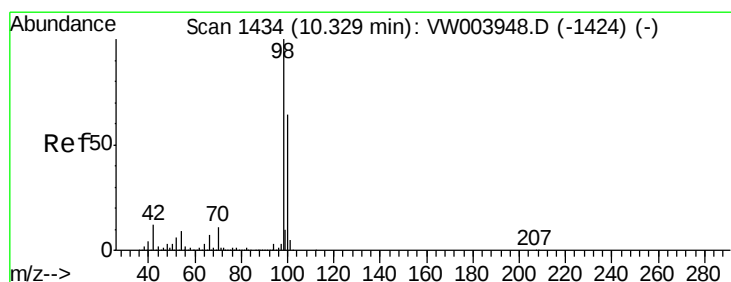
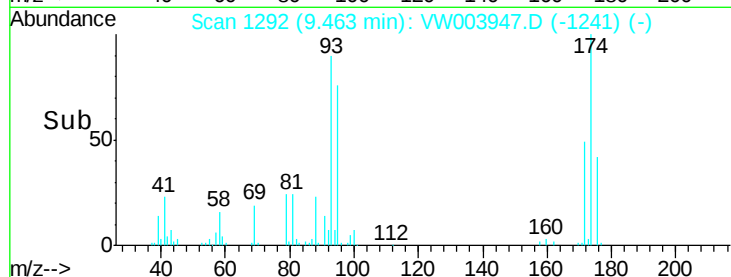
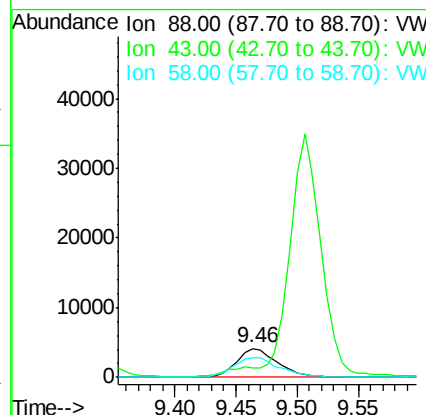
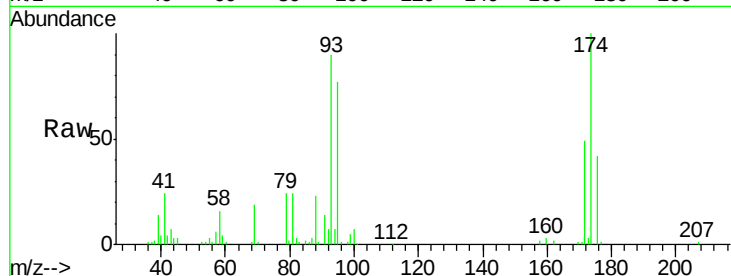
MSVOA_W

ClientSampleId :

VSTDIC020

Tot Ion: 88 Resp: 9463

Ion	Ratio	Lower	Upper
88	100		
43	0.0	27.3	40.9#
58	78.9	61.1	91.7



#50

Toluene-d8

Concen: 18.49 ug/l

RT: 10.33 min Scan# 1434

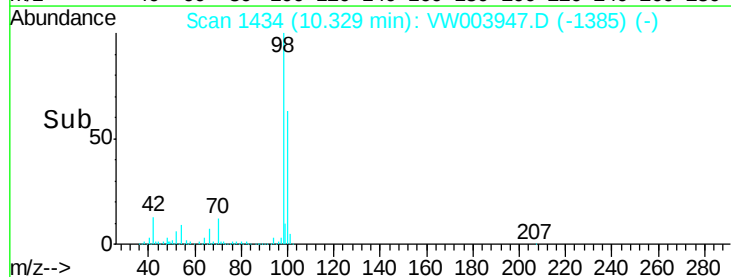
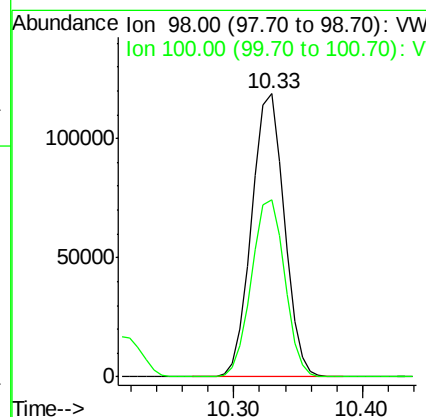
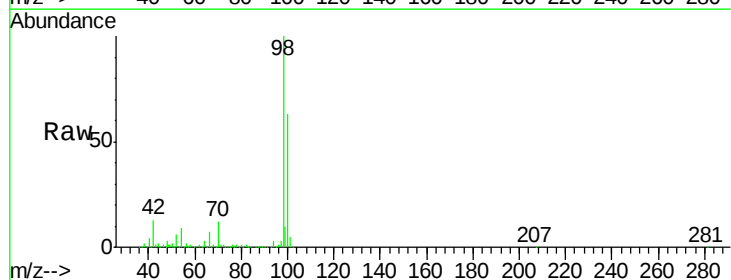
Delta R.T. -0.00 min

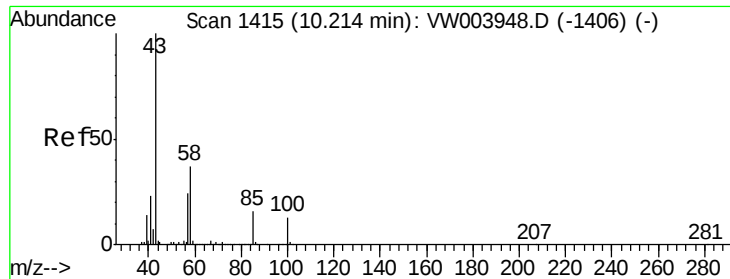
Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion: 98 Resp: 208053

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 99.87 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampled :

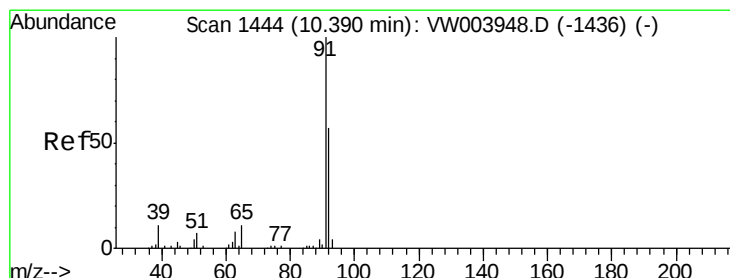
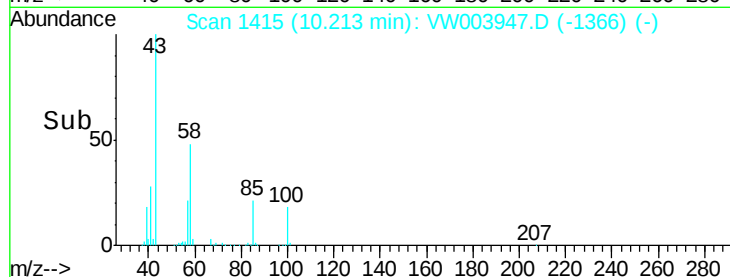
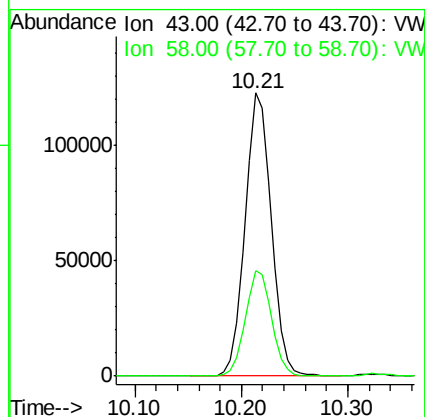
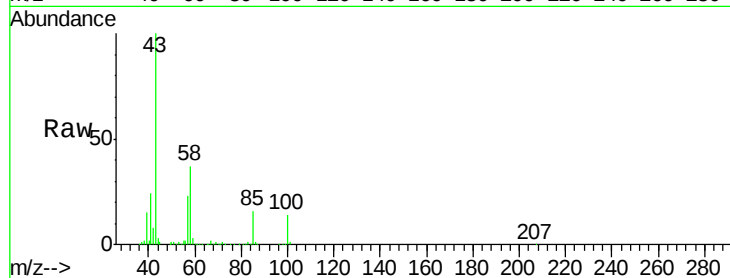
VSTDIC020

Tot Ion: 43 Resp: 211895

Ion Ratio Lower Upper

43 100

58 37.3 29.9 44.9



#52

Toluene

Concen: 20.19 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003947.D

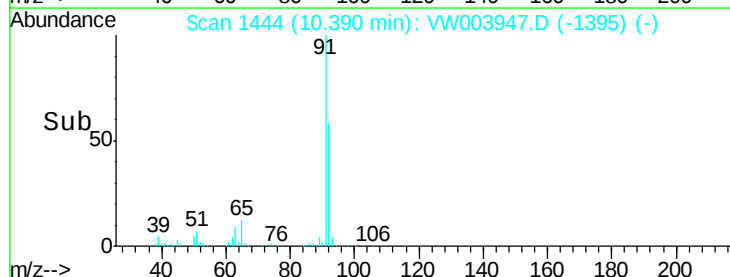
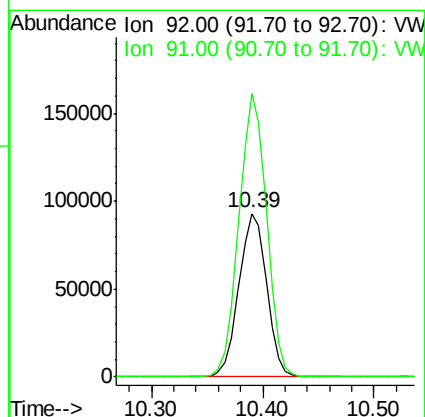
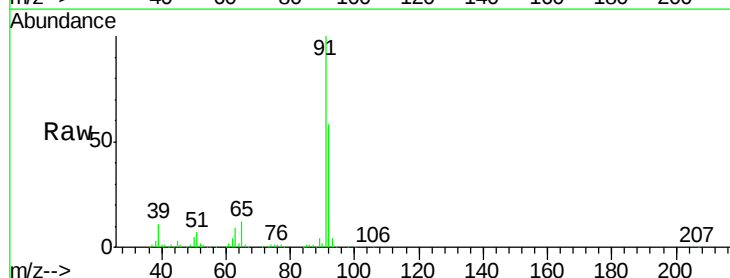
Acq: 16 Jul 2018 12:49

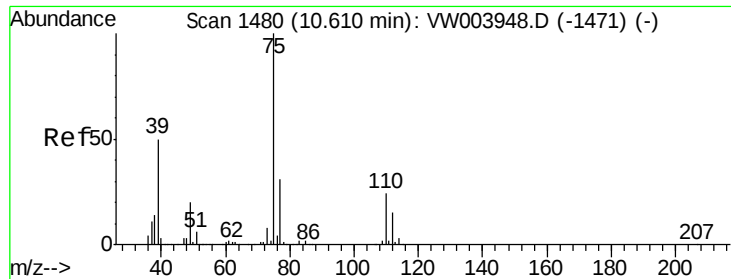
Tgt Ion: 92 Resp: 160229

Ion Ratio Lower Upper

92 100

91 173.0 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 20.08 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

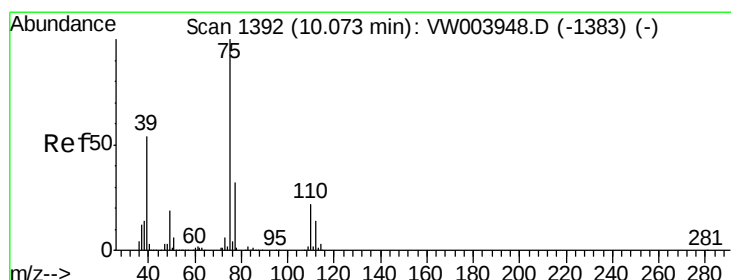
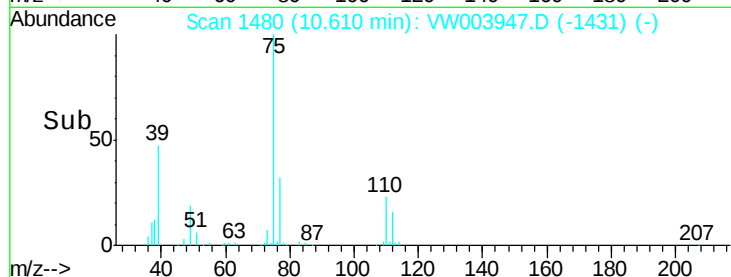
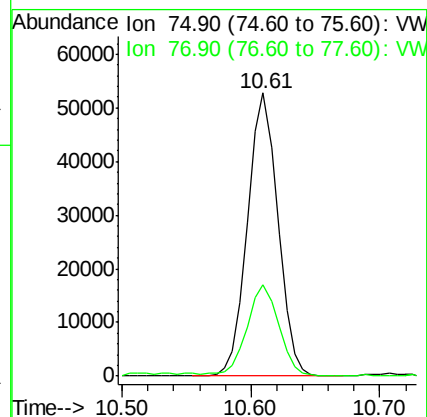
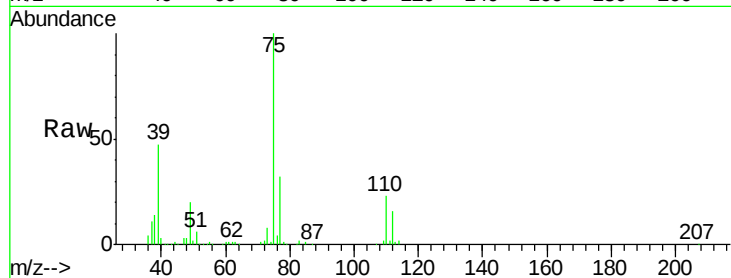
VSTDIC020

Tot Ion: 75 Resp: 85866

Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 20.31 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

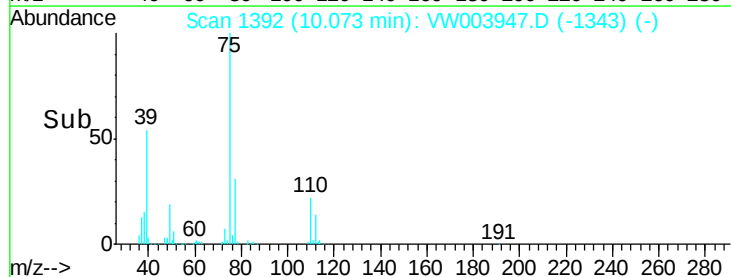
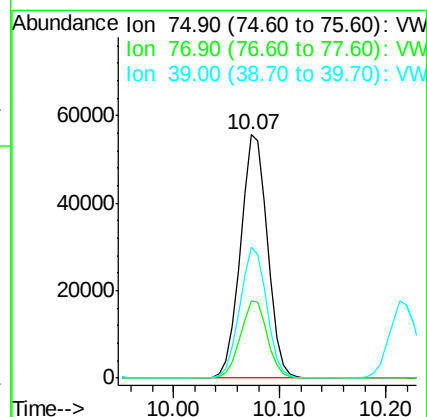
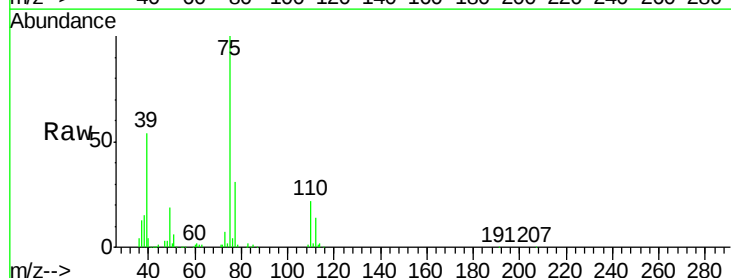
Tgt Ion: 75 Resp: 99363

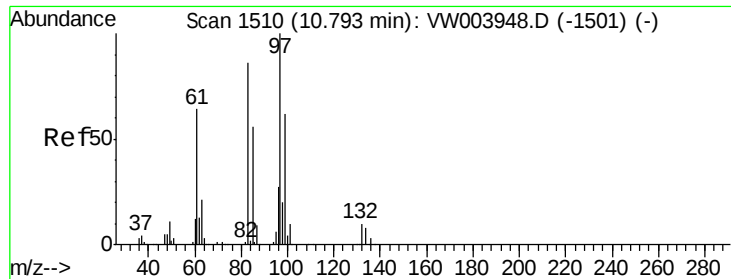
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

39 53.7 43.0 64.6

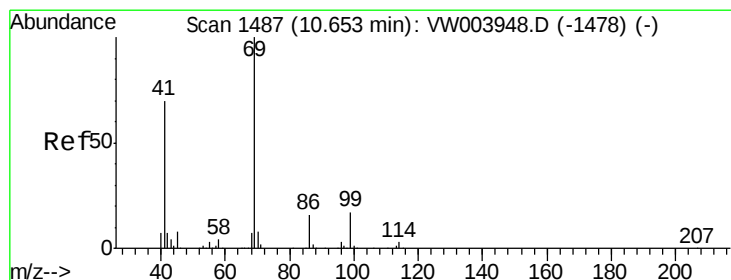
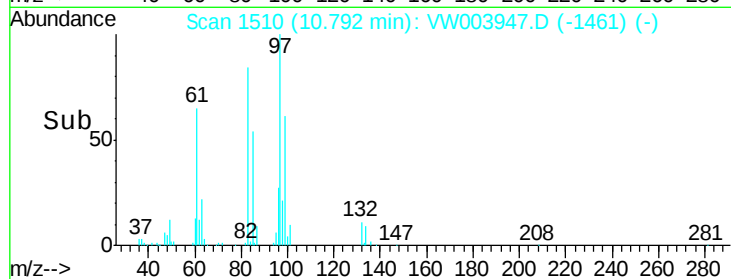
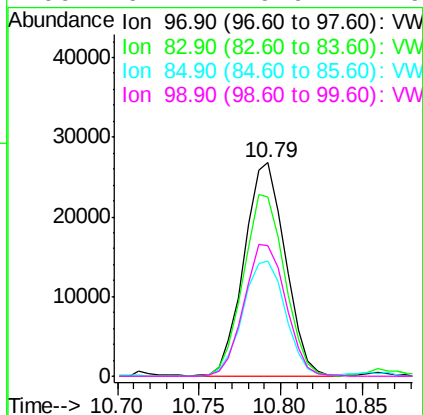
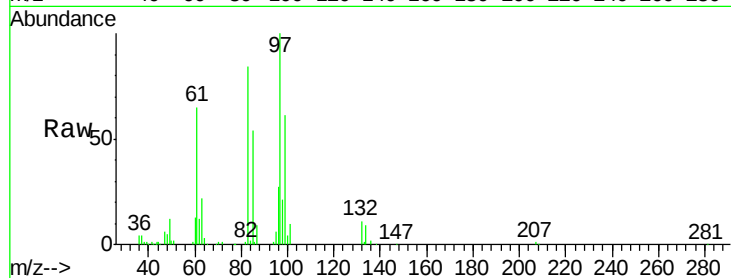




#55
 1,1,2-Trichloroethane
 Concen: 19.81 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

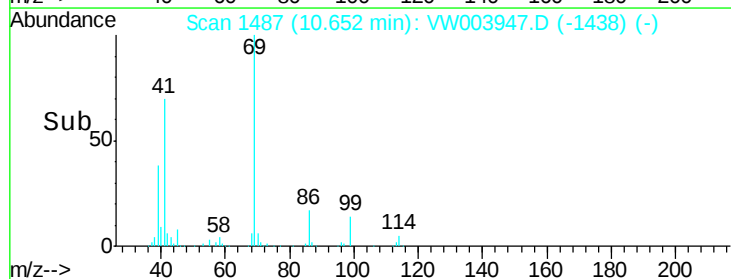
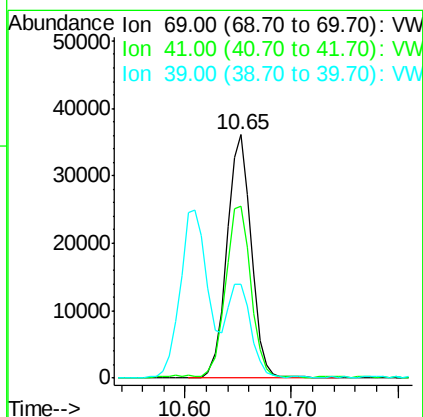
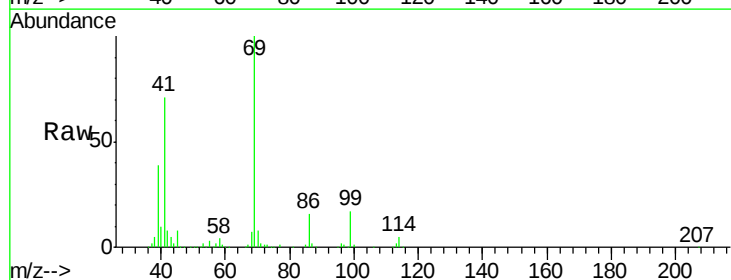
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

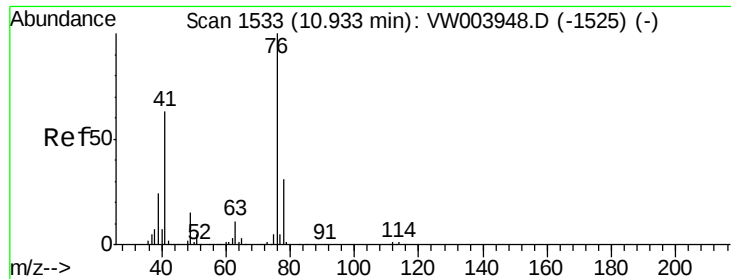
Tot Ion:	97	Resp:	47053
Ion	Ratio	Lower	Upper
97	100		
83	84.3	69.0	103.4
85	54.4	45.0	67.6
99	61.1	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 19.48 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion:	69	Resp:	57917
Ion	Ratio	Lower	Upper
69	100		
41	72.8	56.5	84.7
39	36.1	30.2	45.4

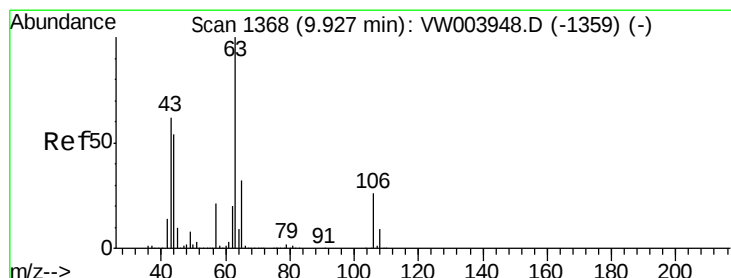
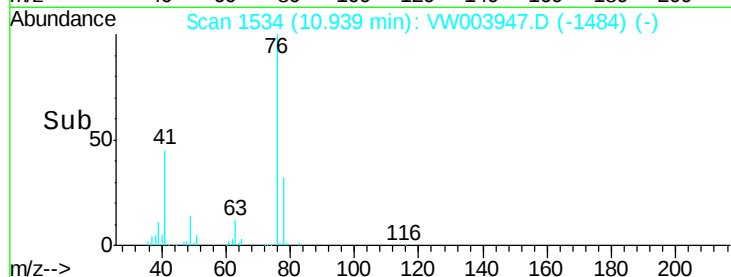
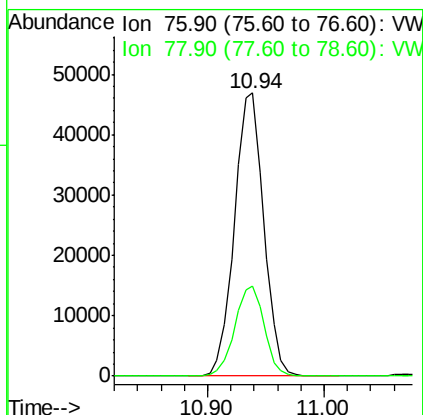
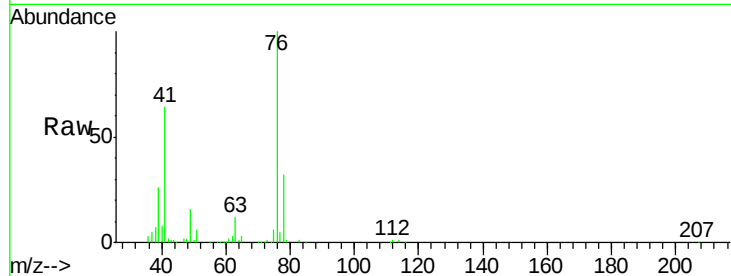




#57
 1,3-Dichloropropane
 Concen: 19.94 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

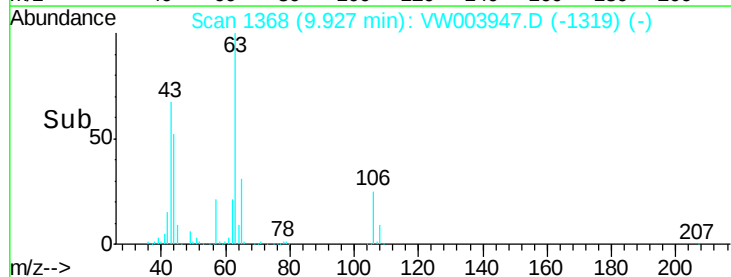
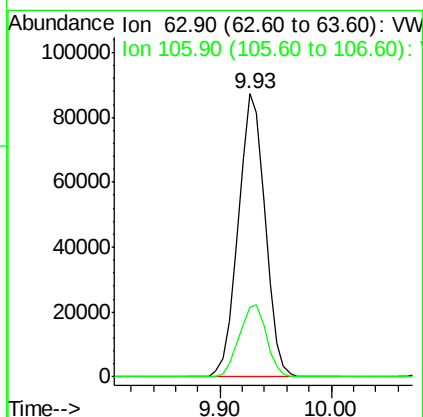
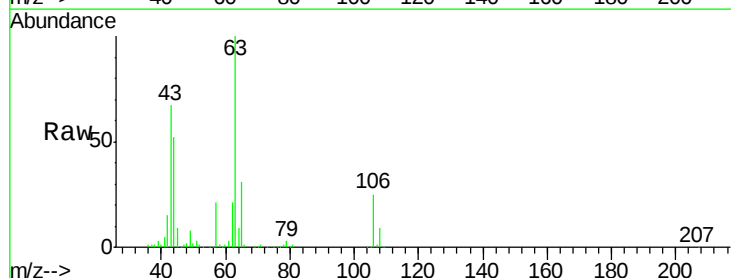
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

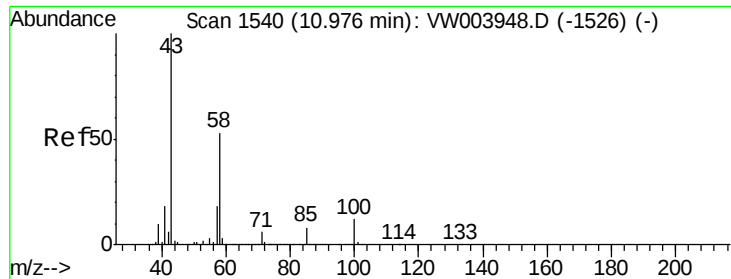
Tot Ion: 76 Resp: 82244
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.30 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion: 63 Resp: 145745
 Ion Ratio Lower Upper
 63 100
 106 26.1 21.2 31.8

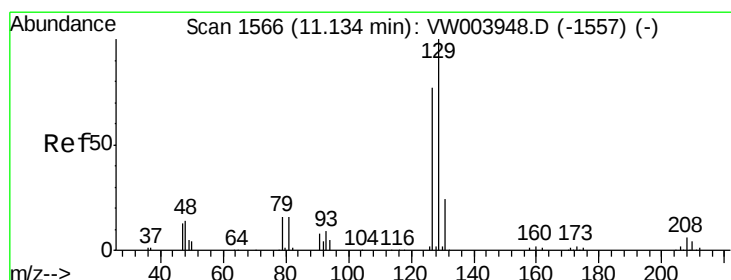
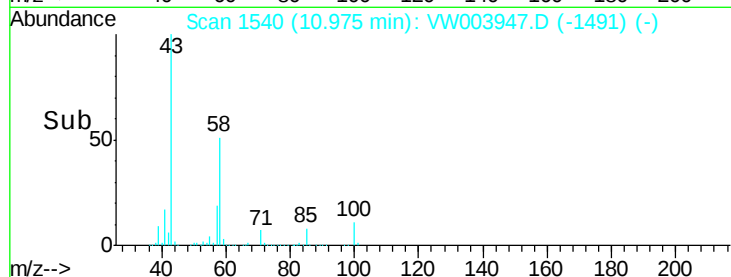
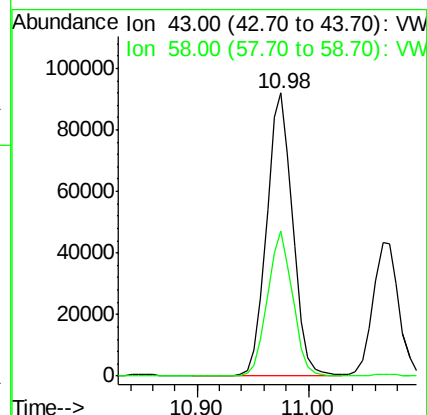
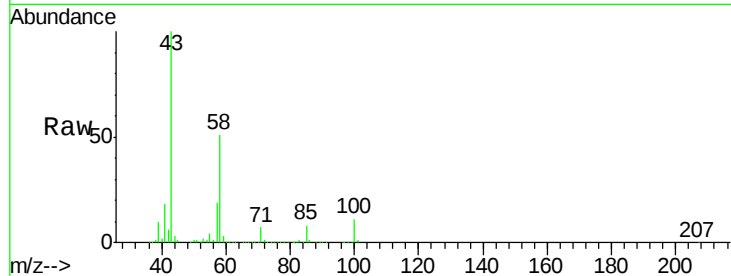




#59
2-Hexanone
Concen: 102.53 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

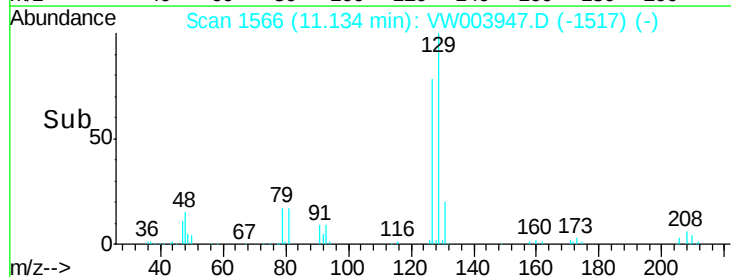
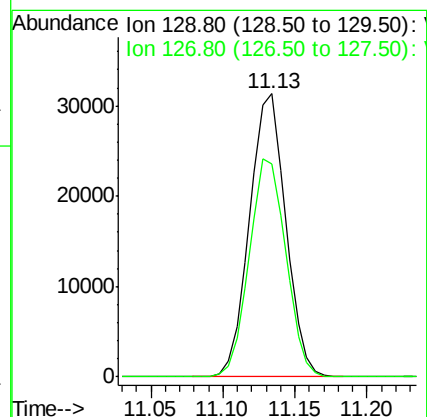
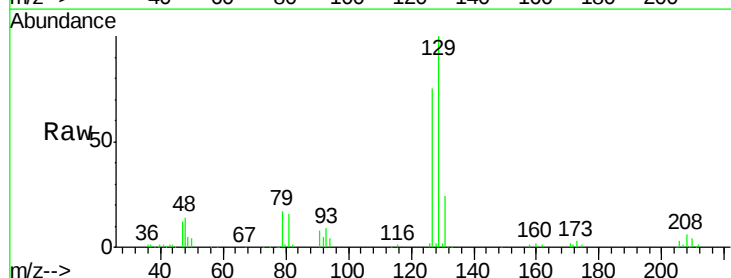
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

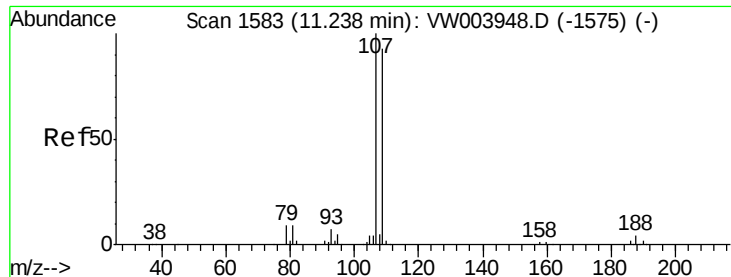
Tot Ion: 43 Resp: 150636
Ion Ratio Lower Upper
43 100
58 49.4 26.0 78.0



#60
Dibromochloromethane
Concen: 19.82 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 129 Resp: 54557
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3





#61

1,2-Dibromoethane

Concen: 20.40 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

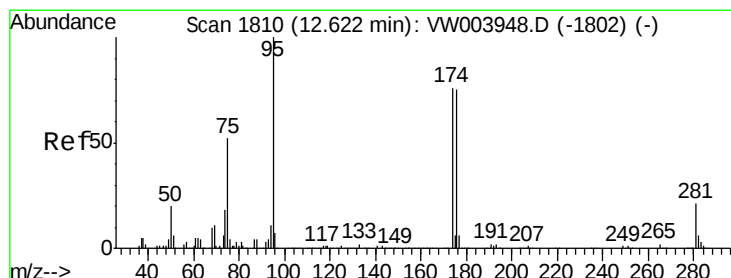
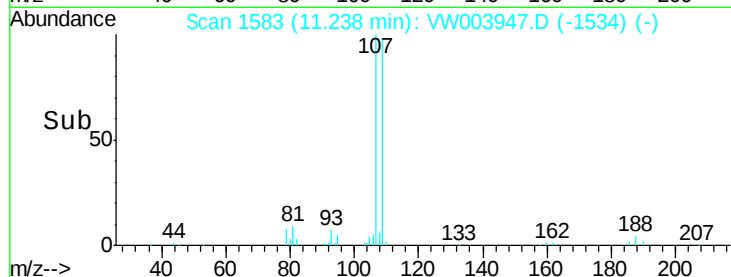
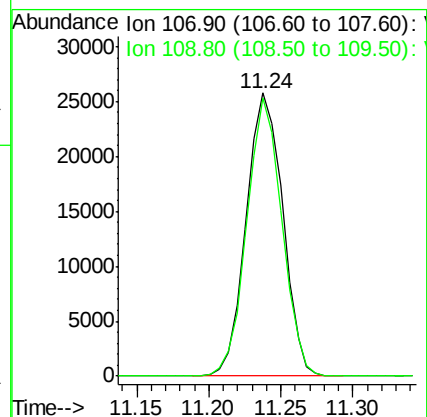
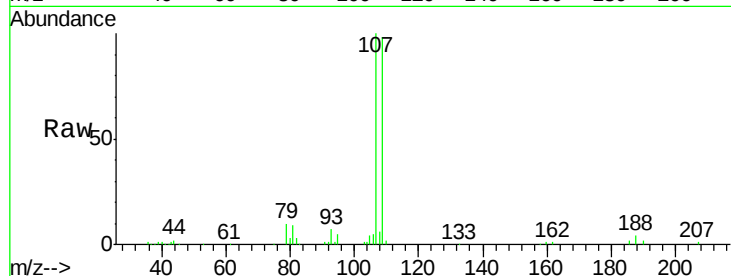
VSTDIC020

Tot Ion:107 Resp: 45261

Ion Ratio Lower Upper

107 100

109 94.5 74.3 111.5



#62

4-Bromofluorobenzene

Concen: 18.57 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

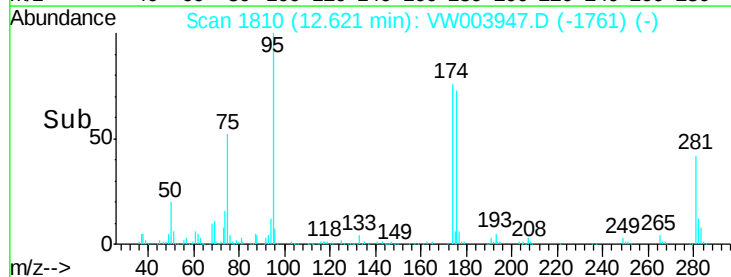
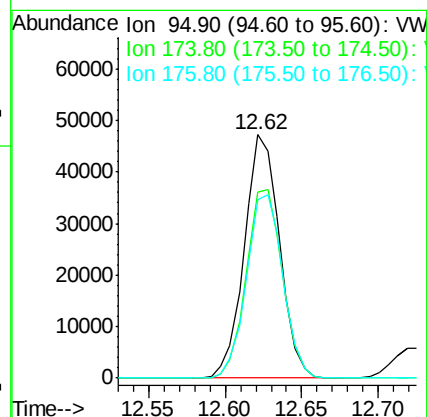
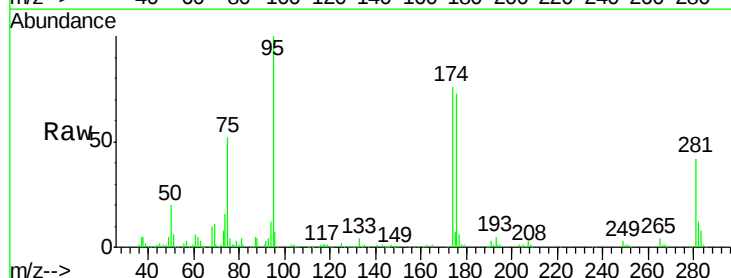
Tgt Ion: 95 Resp: 75246

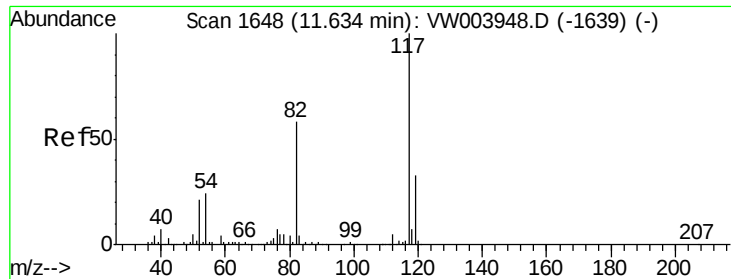
Ion Ratio Lower Upper

95 100

174 79.9 0.0 160.2

176 77.8 0.0 155.8

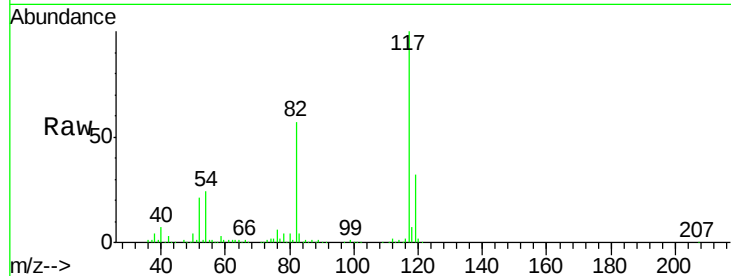




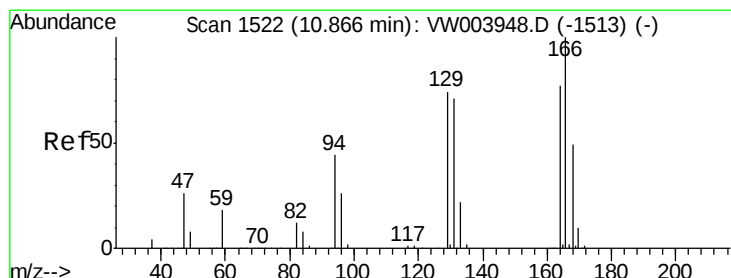
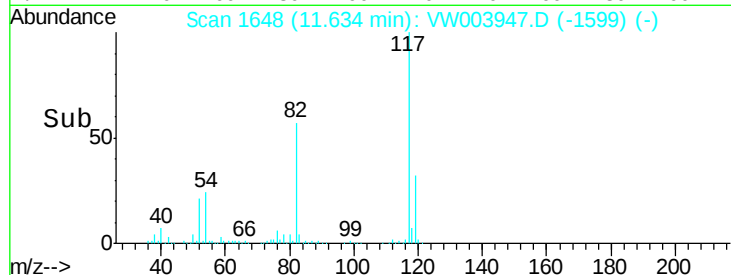
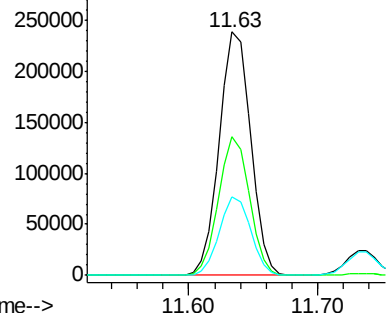
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

Tot Ion:117 Resp: 402273
Ion Ratio Lower Upper
117 100
82 56.9 46.5 69.7
119 32.2 26.2 39.2

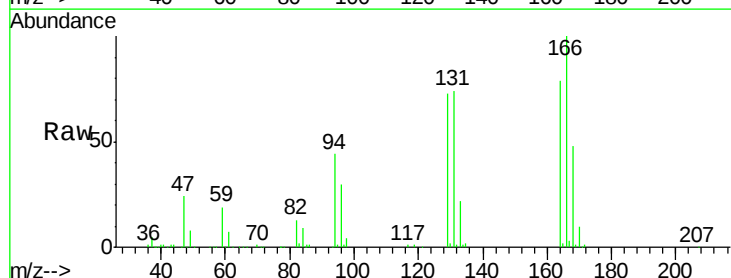


Abundance Ion 116.90 (116.60 to 117.60):
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60):

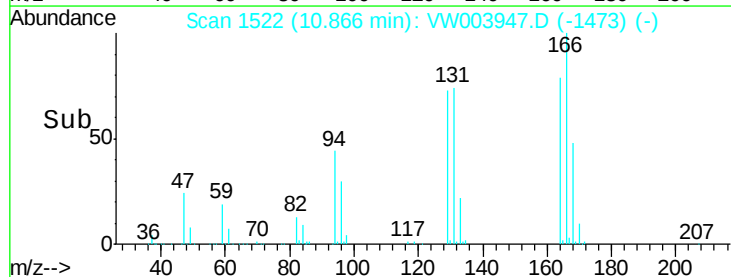
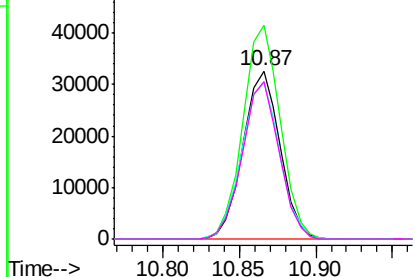


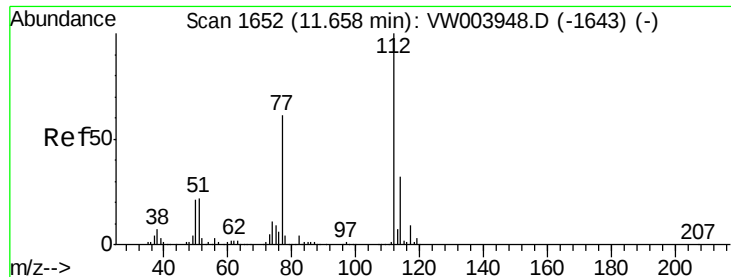
#64
Tetrachloroethene
Concen: 19.24 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:164 Resp: 55062
Ion Ratio Lower Upper
164 100
166 127.3 103.5 155.3
129 92.9 76.8 115.2
131 94.0 73.2 109.8



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

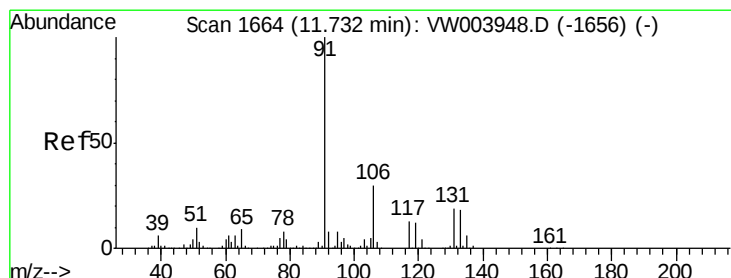
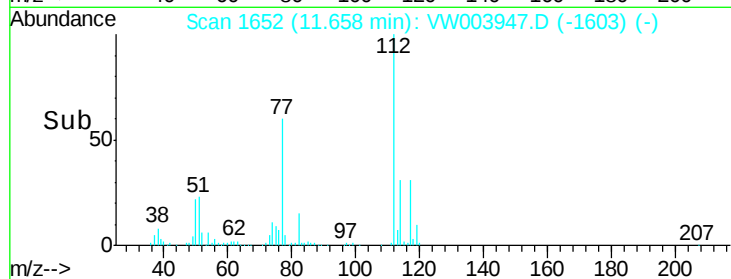
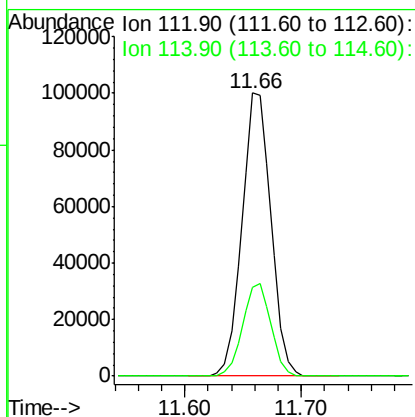
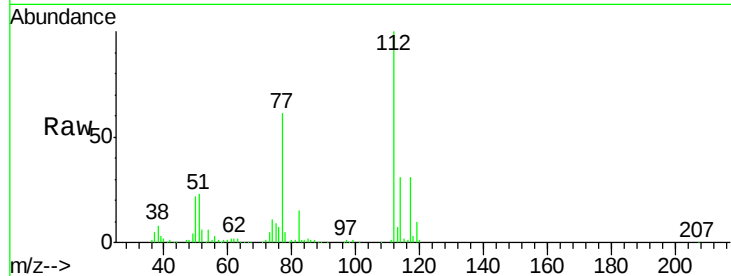




#65
Chlorobenzene
Concen: 19.97 ug/l
RT: 11.66 min Scan# 1652
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

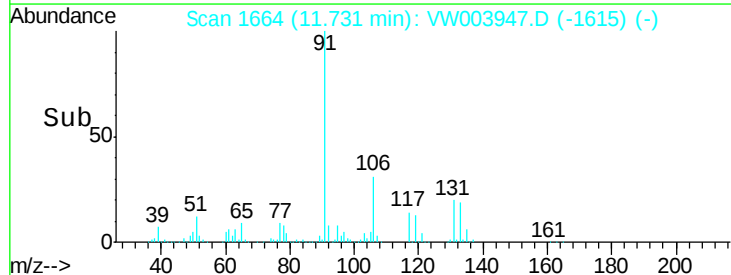
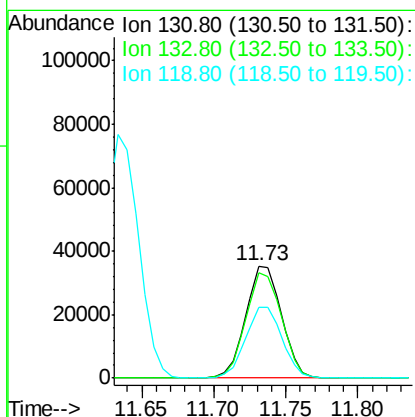
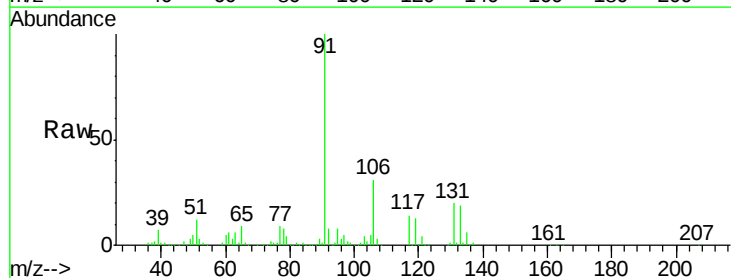
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

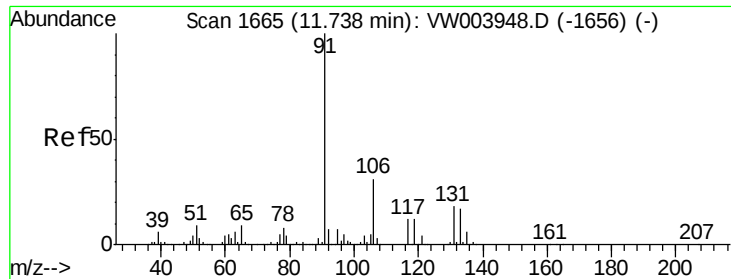
Tot Ion:112 Resp: 173321
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 20.09 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:131 Resp: 60453
Ion Ratio Lower Upper
131 100
133 94.6 47.9 143.8
119 64.9 32.5 97.5

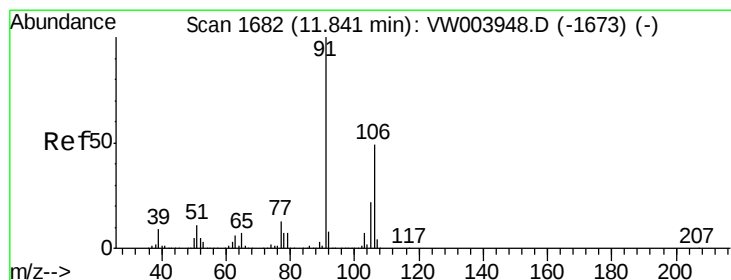
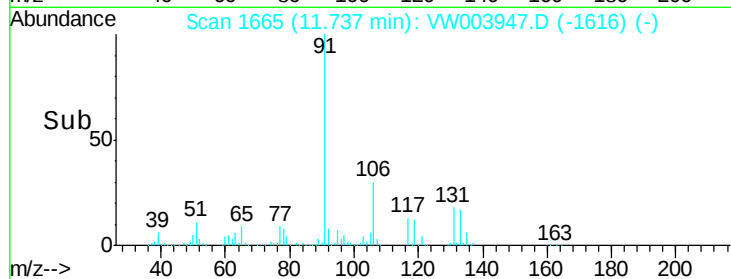
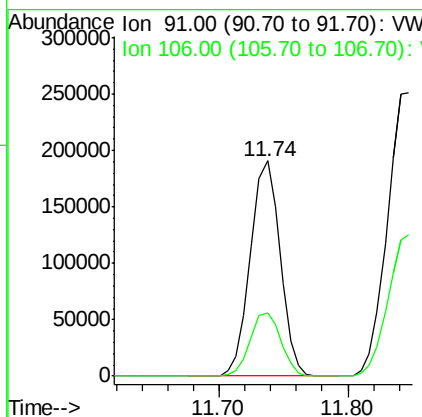
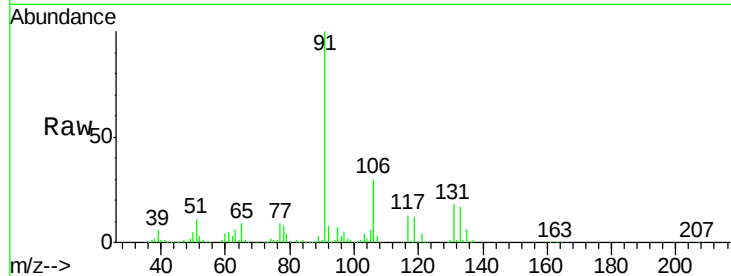




#67
Ethyl Benzene
Concen: 20.20 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

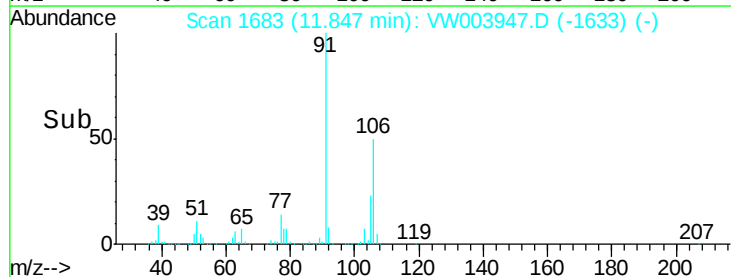
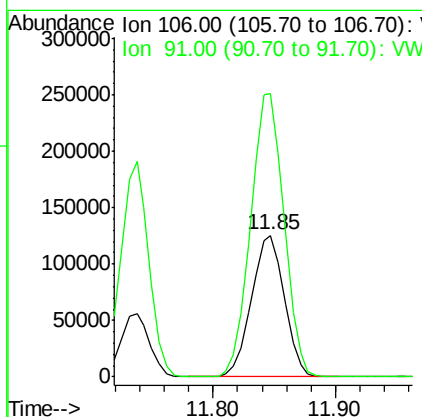
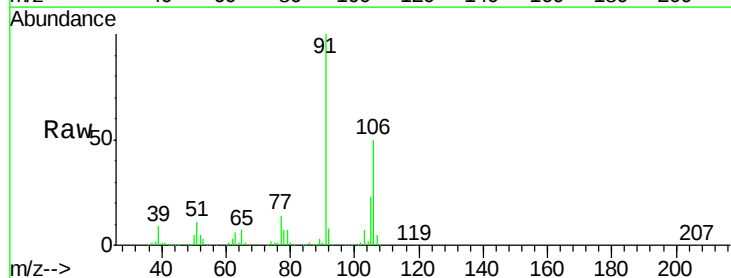
Instrument :
MSVOA_W
ClientSampled :
VSTDIC020

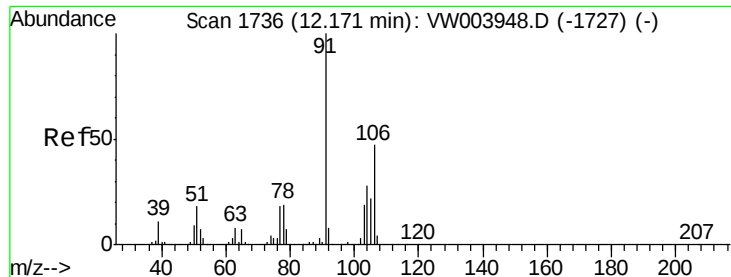
Tot Ion: 91 Resp: 305363
Ion Ratio Lower Upper
91 100
106 29.7 25.0 37.4



#68
m/p-Xylenes
Concen: 40.32 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion: 106 Resp: 234380
Ion Ratio Lower Upper
106 100
91 203.5 164.2 246.2

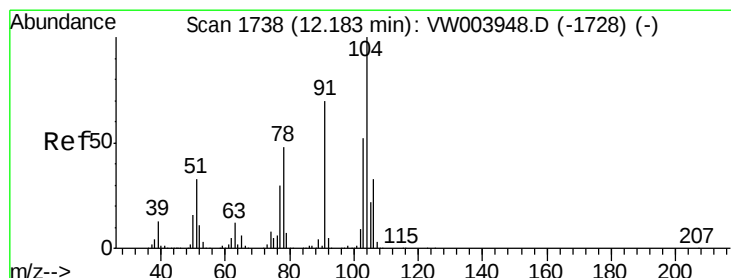
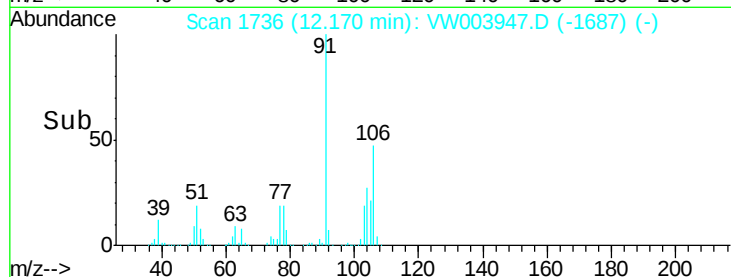
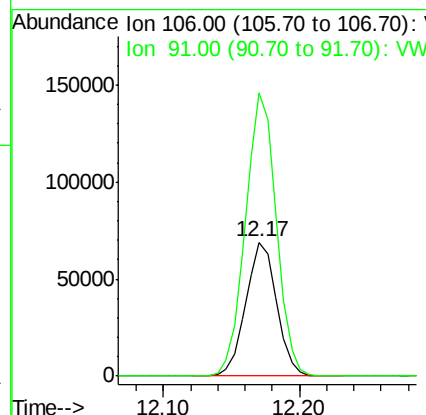
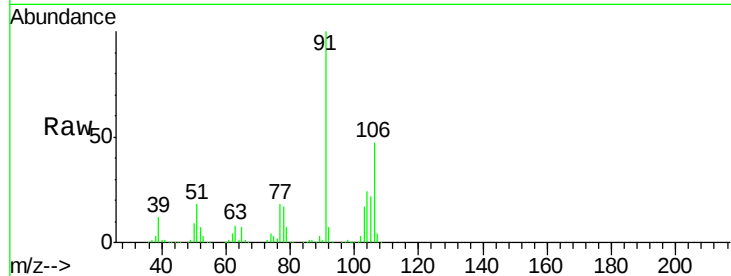




#69
o-Xylene
Concen: 20.44 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

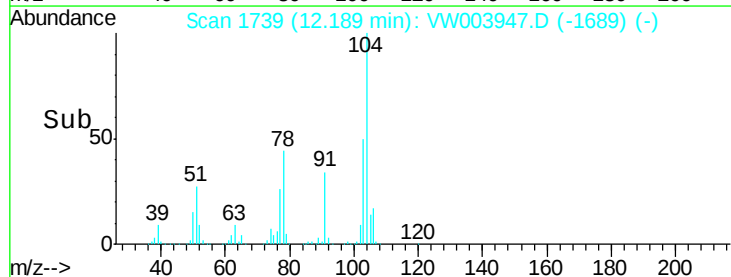
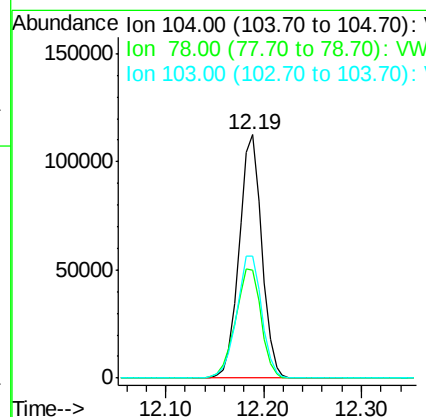
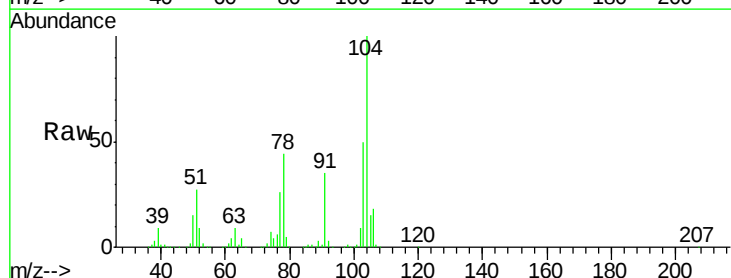
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

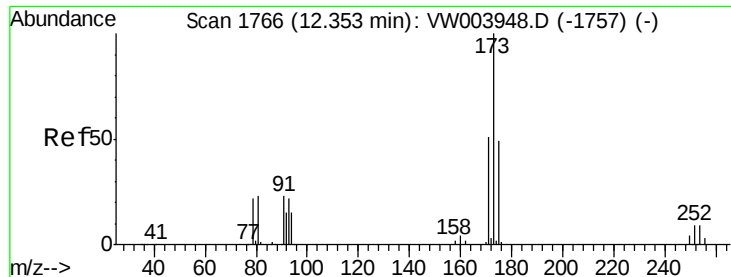
Tot Ion:106 Resp: 109535
Ion Ratio Lower Upper
106 100
91 211.3 107.5 322.6



#70
Styrene
Concen: 20.01 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:104 Resp: 180621
Ion Ratio Lower Upper
104 100
78 51.0 41.0 61.4
103 56.0 44.6 67.0





#71

Bromoform

Concen: 20.03 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

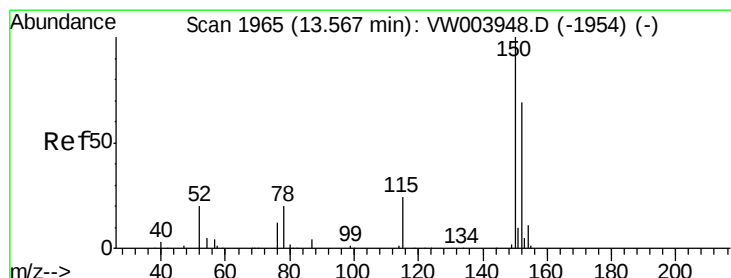
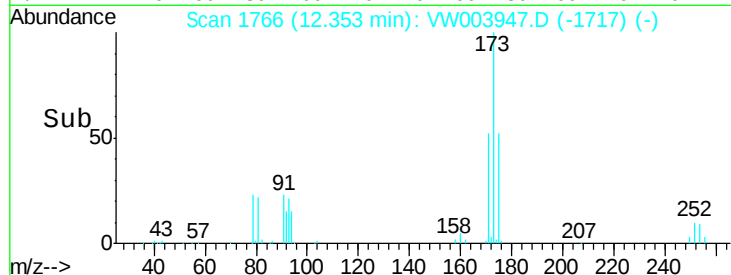
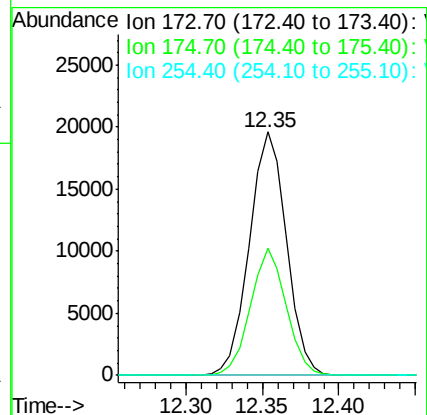
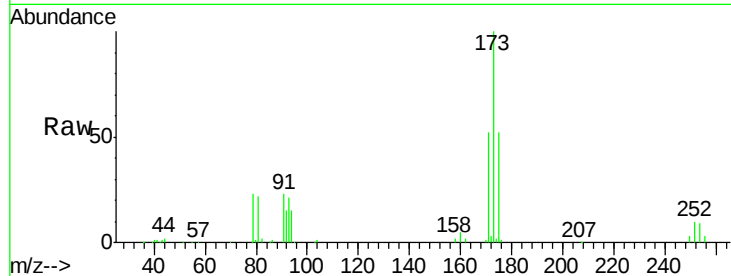
Tot Ion:173 Resp: 33074

Ion Ratio Lower Upper

173 100

175 50.2 24.4 73.2

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

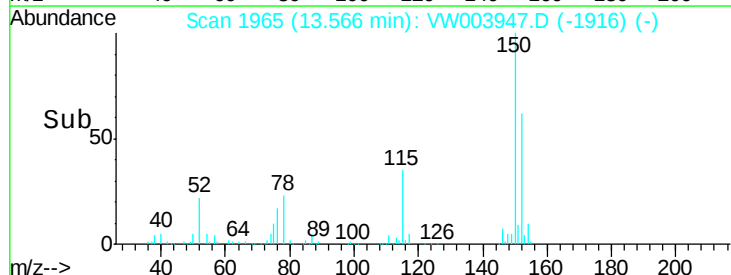
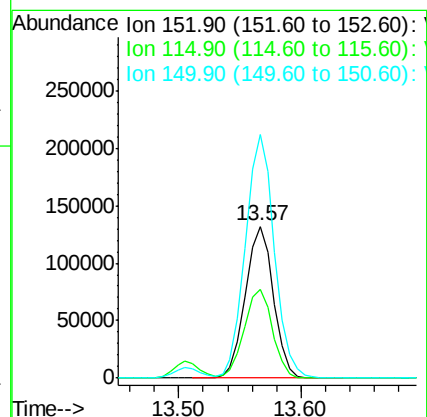
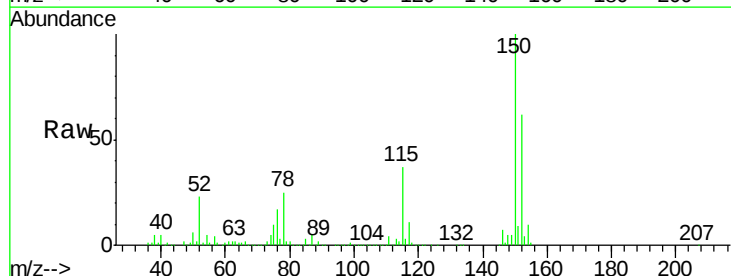
Tgt Ion:152 Resp: 208880

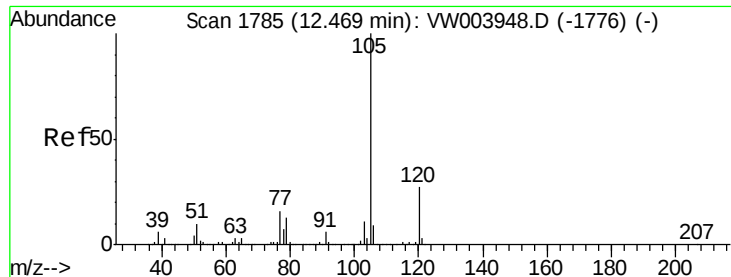
Ion Ratio Lower Upper

152 100

115 59.1 29.2 87.6

150 166.4 0.0 345.2





#73

Isopropylbenzene

Concen: 20.34 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

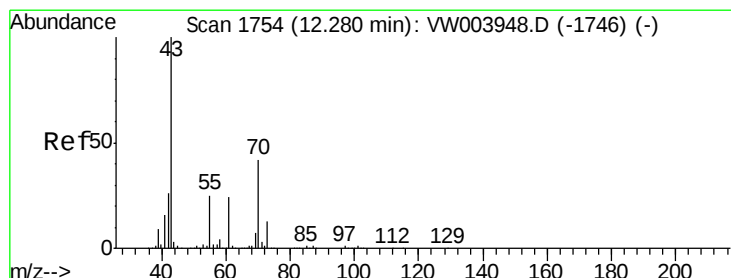
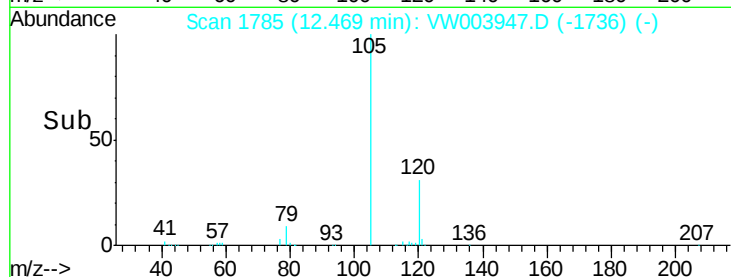
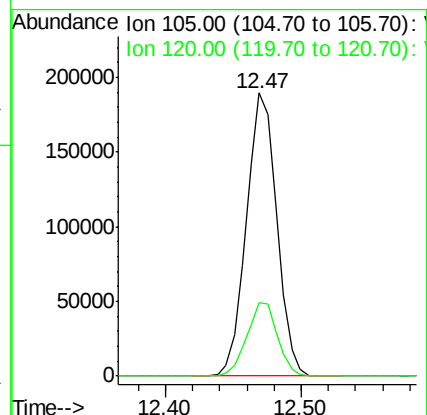
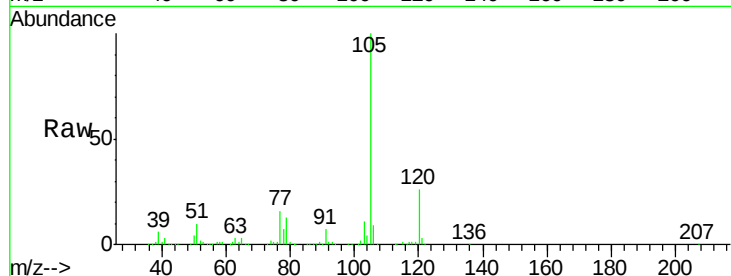
VSTDIC020

Tot Ion:105 Resp: 297093

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 20.37 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion: 43 Resp: 76130

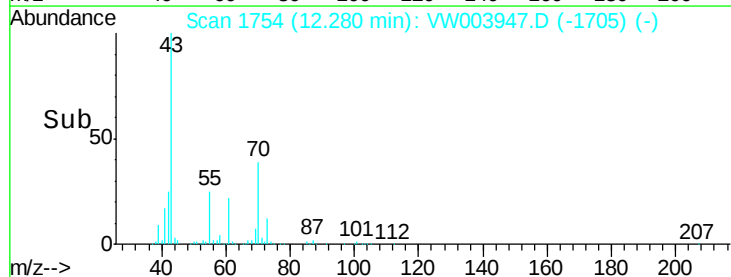
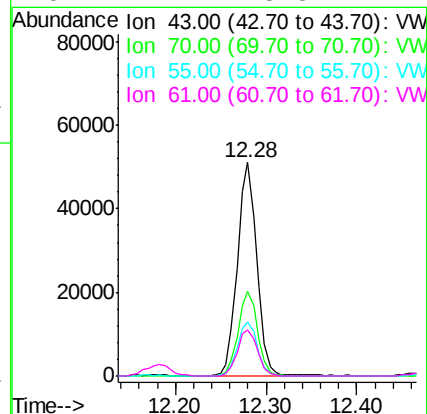
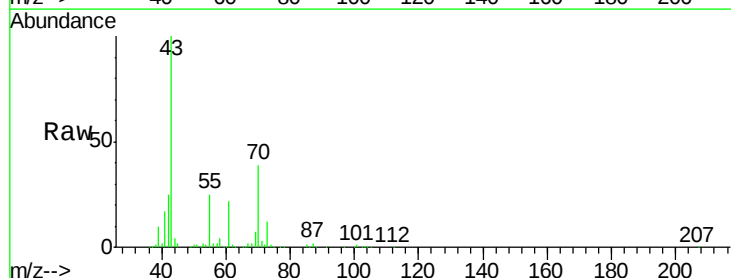
Ion Ratio Lower Upper

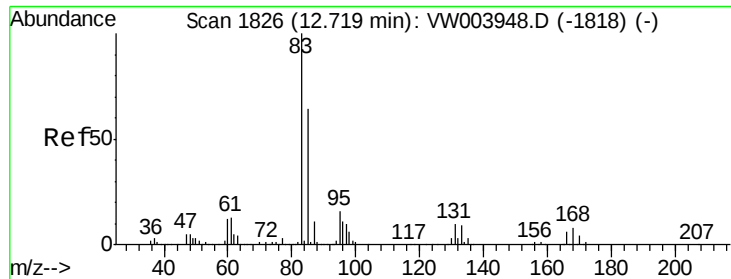
43 100

70 39.6 31.6 47.4

55 25.7 20.0 30.0

61 22.1 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.50 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

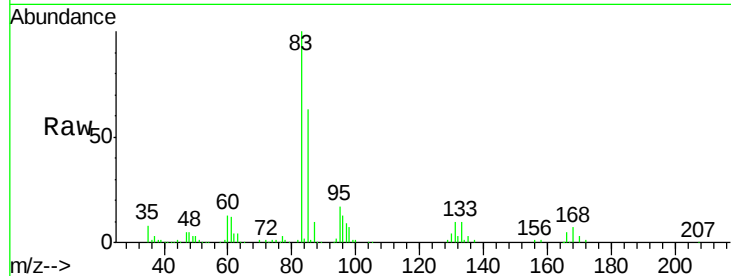
Tot Ion: 83 Resp: 57140

Ion Ratio Lower Upper

83 100

131 10.7 5.3 15.8

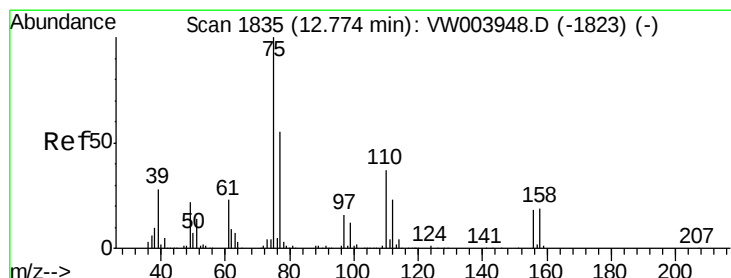
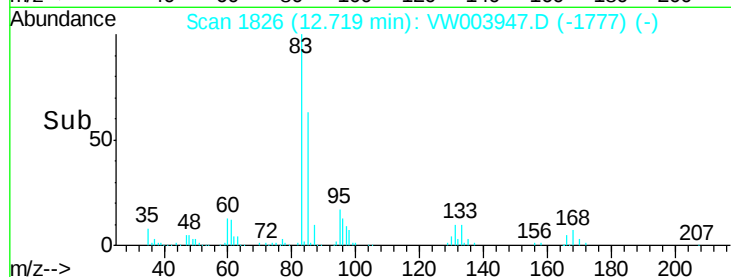
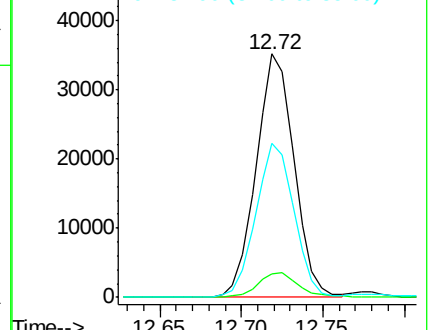
85 63.6 32.2 96.6



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: 33.58 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003947.D

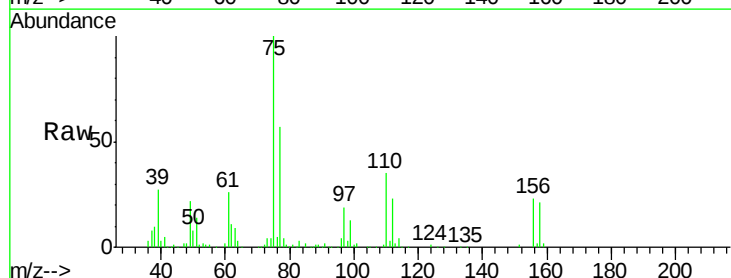
Acq: 16 Jul 2018 12:49

Tgt Ion: 75 Resp: 77134

Ion Ratio Lower Upper

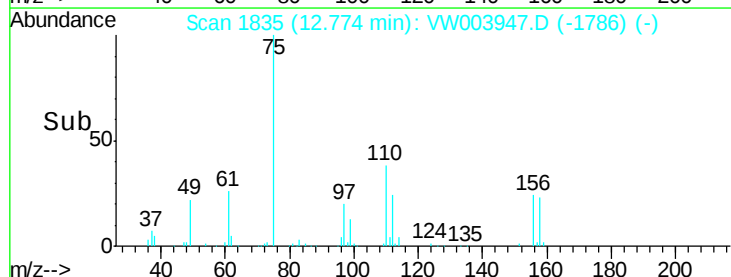
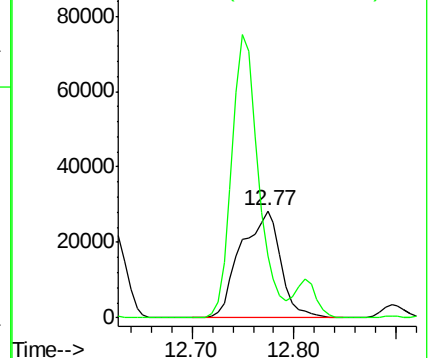
75 100

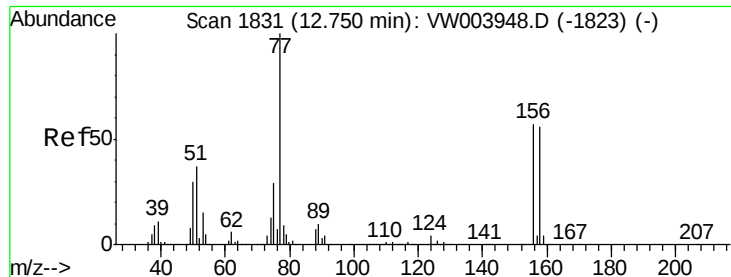
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.54 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

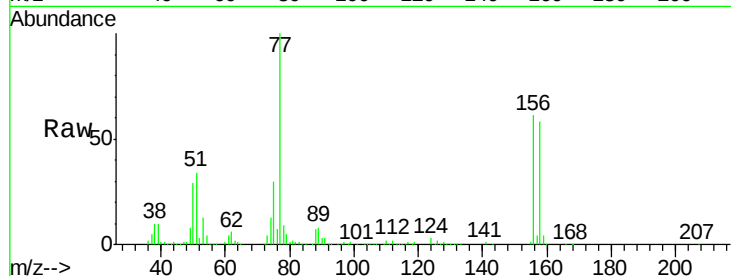
Tot Ion:156 Resp: 71802

Ion Ratio Lower Upper

156 100

77 189.7 96.2 288.6

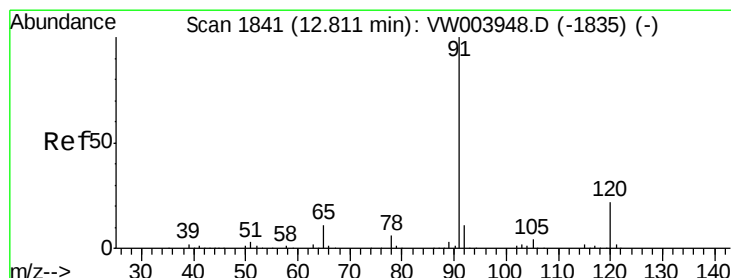
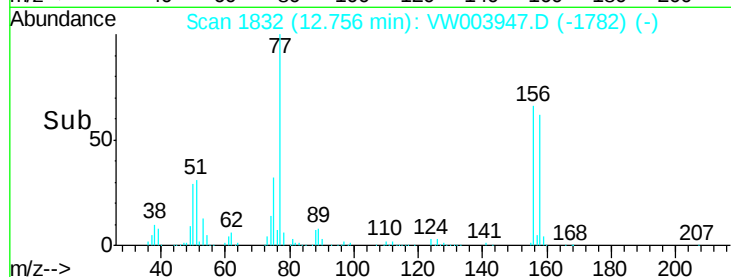
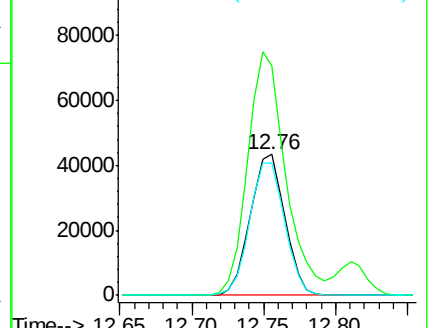
158 95.6 48.5 145.5



Abundance Ion 155.80 (155.50 to 156.50):

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50):



#78

n-propylbenzene

Concen: 20.43 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003947.D

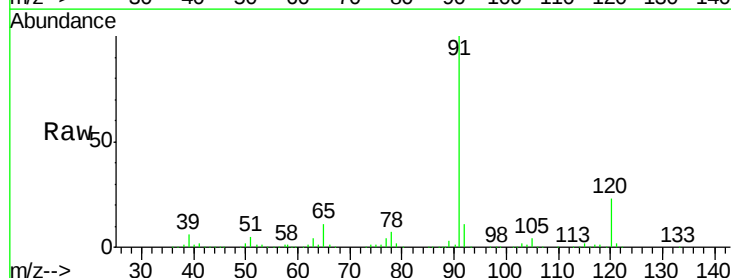
Acq: 16 Jul 2018 12:49

Tgt Ion: 91 Resp: 368839

Ion Ratio Lower Upper

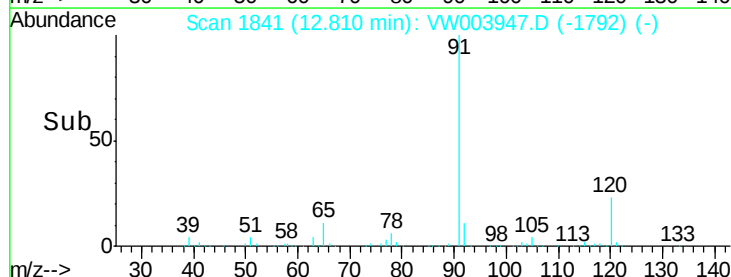
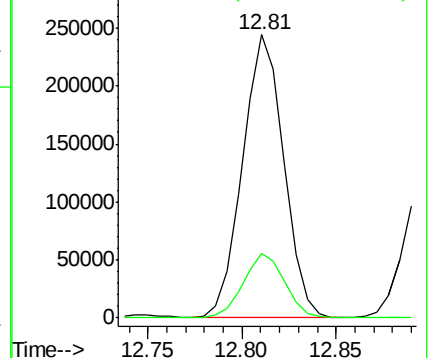
91 100

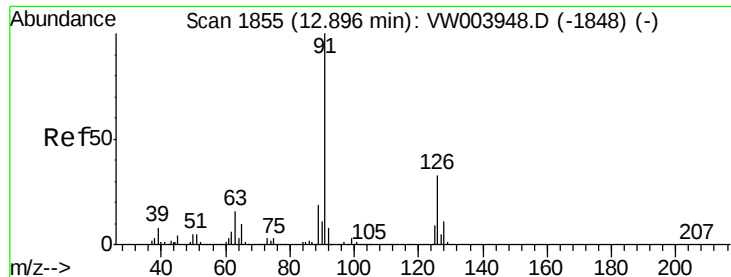
120 22.6 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

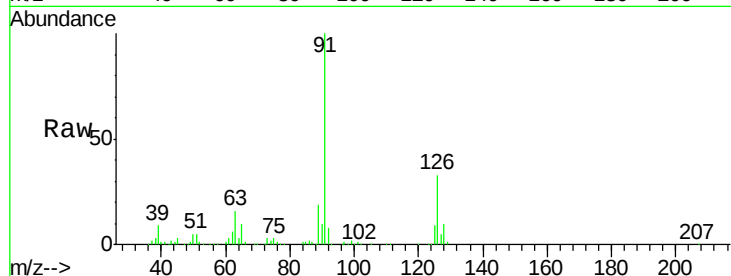
VSTDIC020

Tot Ion: 91 Resp: 208654

Ion Ratio Lower Upper

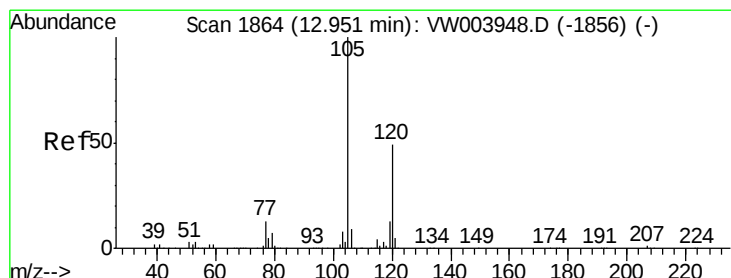
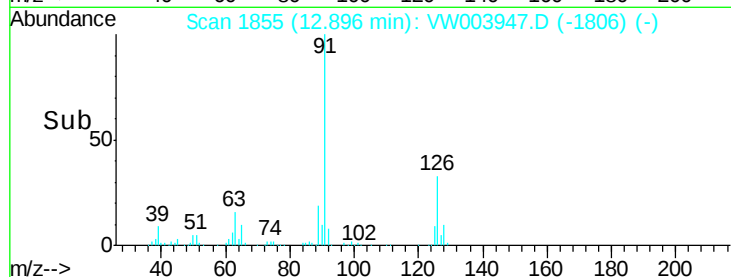
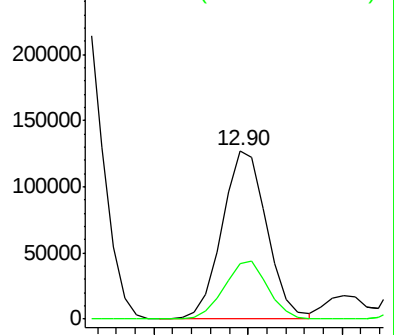
91 100

126 34.0 17.0 51.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60):



#80

1,3,5-Trimethylbenzene

Concen: 20.63 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003947.D

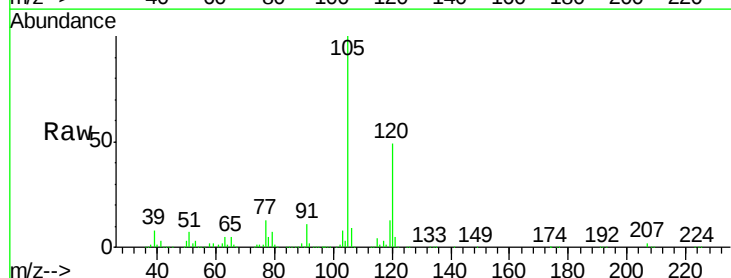
Acq: 16 Jul 2018 12:49

Tgt Ion:105 Resp: 255760

Ion Ratio Lower Upper

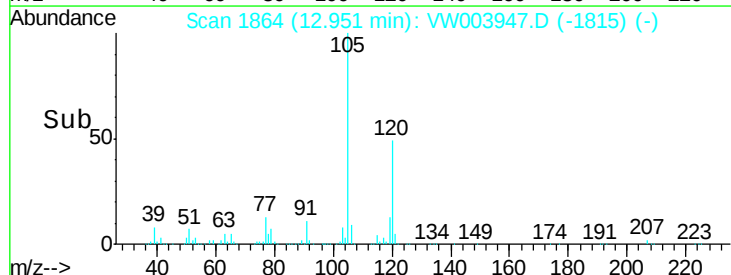
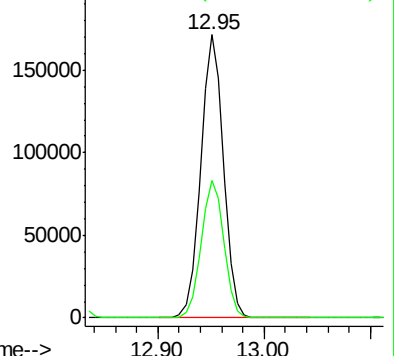
105 100

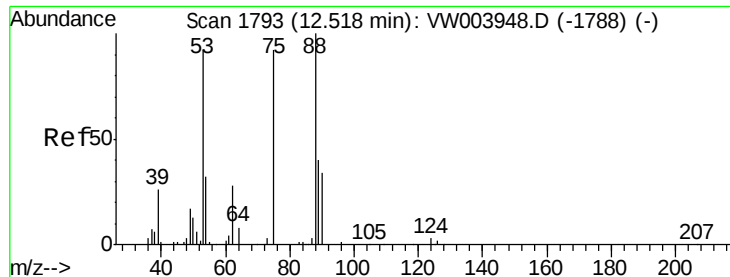
120 48.7 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70):

Ion 120.00 (119.70 to 120.70):





#81

trans-1,4-Dichloro-2-butene

Concen: 20.76 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

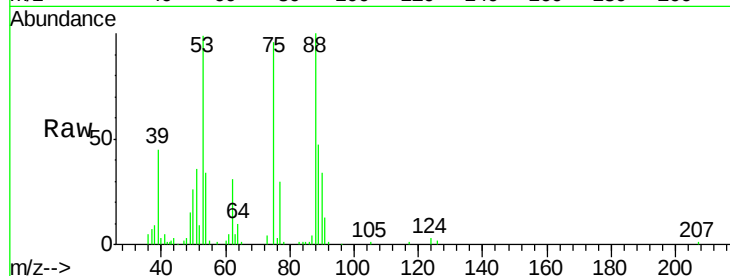
Tot Ion: 75 Resp: 17960

Ion Ratio Lower Upper

75 100

53 102.3 77.6 116.4

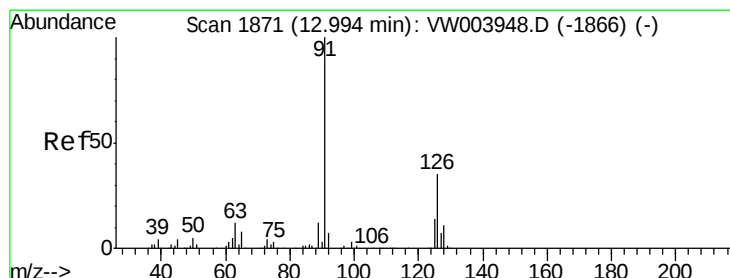
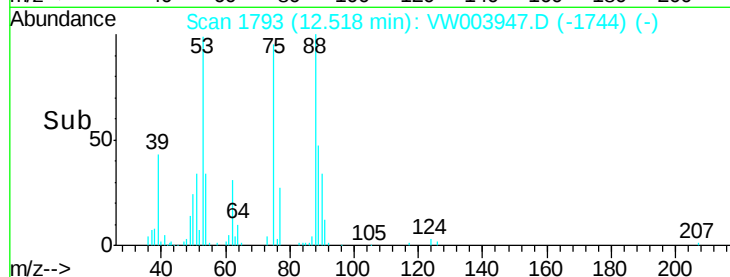
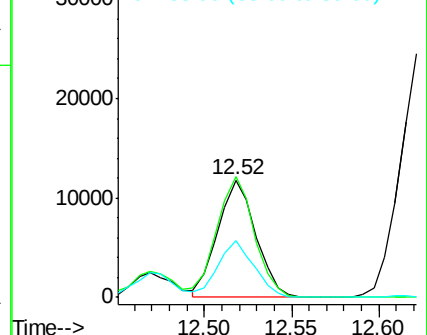
89 45.4 36.6 54.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 20.23 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003947.D

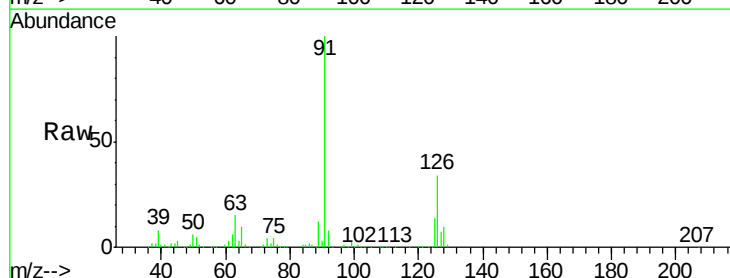
Acq: 16 Jul 2018 12:49

Tgt Ion: 91 Resp: 222335

Ion Ratio Lower Upper

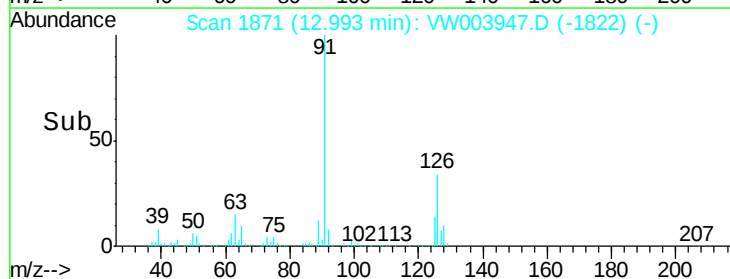
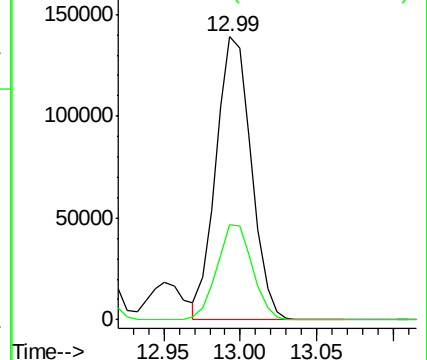
91 100

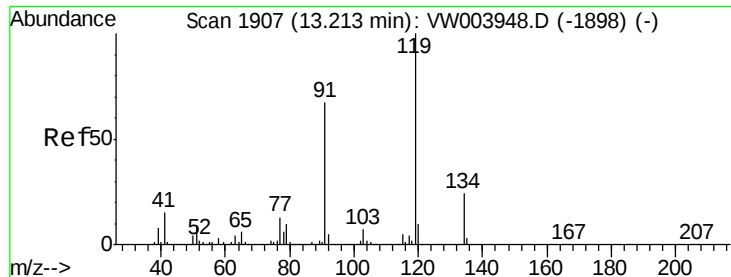
126 33.9 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60):

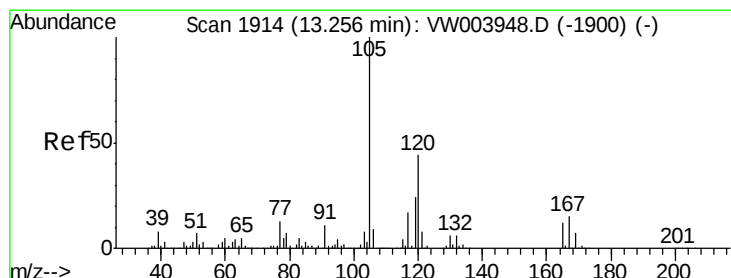
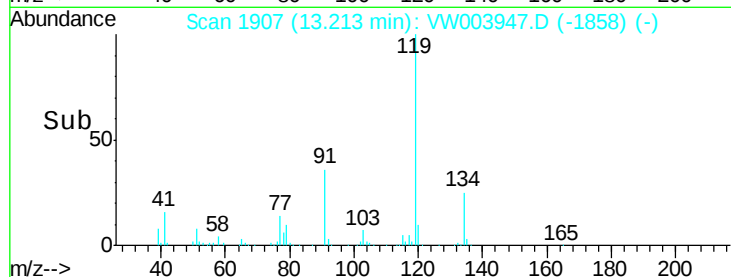
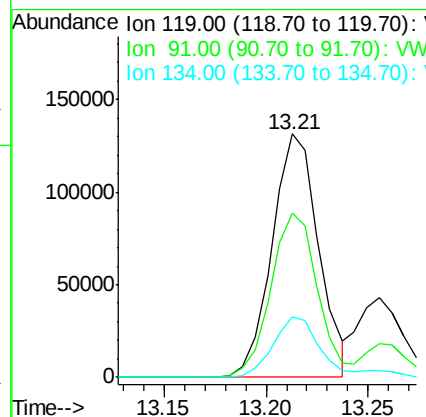
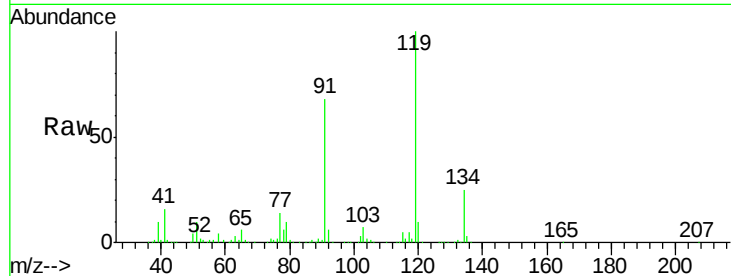




#83
tert-Butylbenzene
Concen: 20.24 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

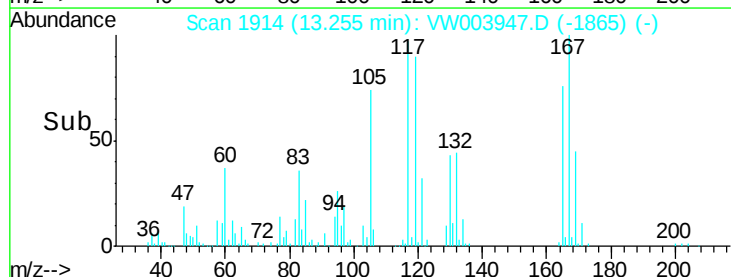
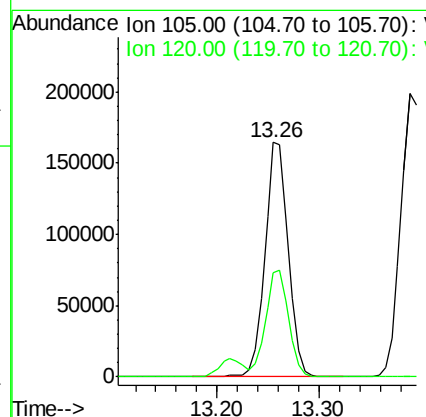
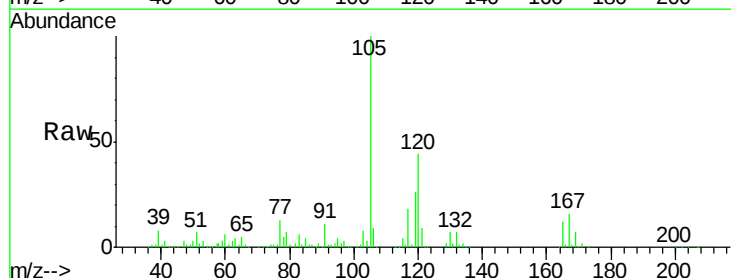
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

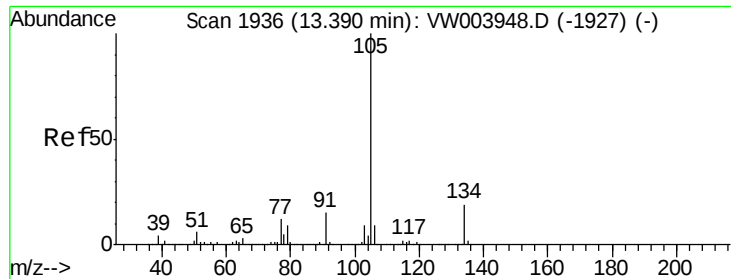
Tot Ion:119 Resp: 209427
Ion Ratio Lower Upper
119 100
91 68.2 33.2 99.6
134 24.6 13.0 38.9



#84
1,2,4-Trimethylbenzene
Concen: 20.45 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:105 Resp: 261765
Ion Ratio Lower Upper
105 100
120 44.7 22.1 66.1





#85

sec-Butylbenzene

Concen: 20.23 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

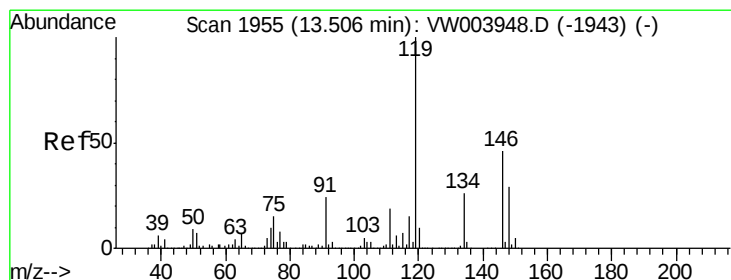
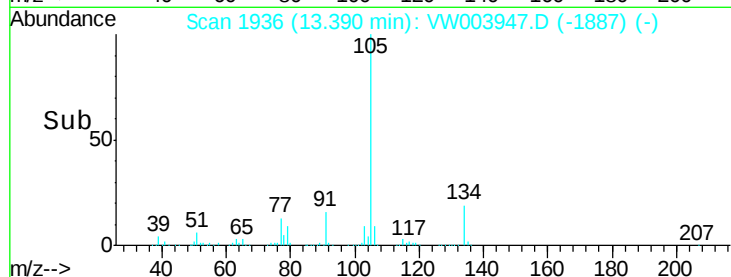
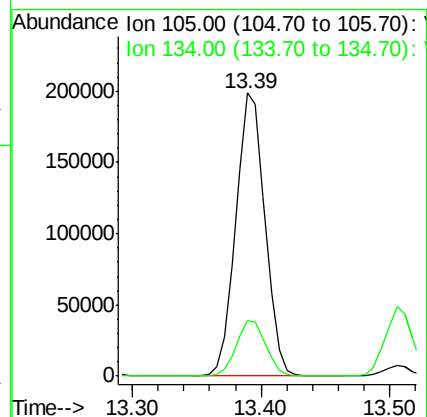
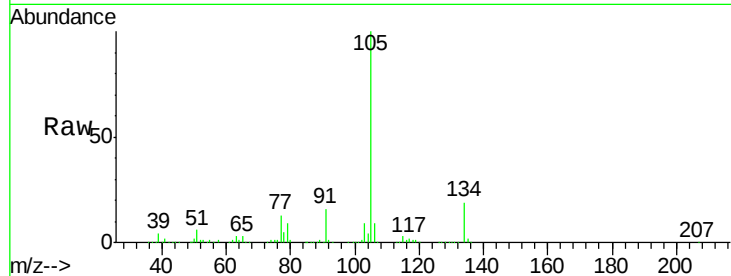
VSTDIC020

Tot Ion:105 Resp: 312824

Ion Ratio Lower Upper

105 100

134 20.0 9.8 29.4



#86

p-Isopropyltoluene

Concen: 20.37 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

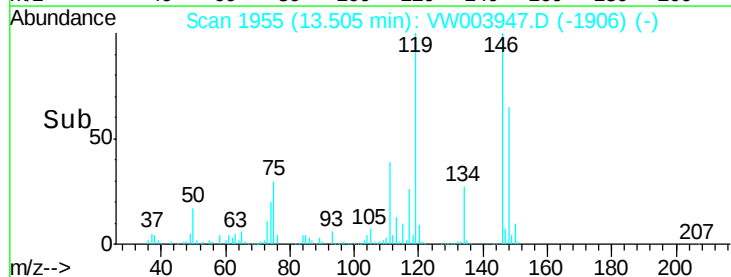
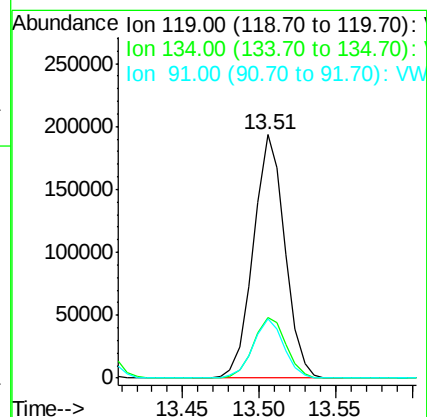
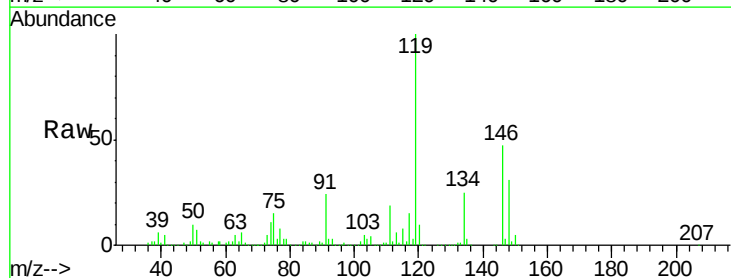
Tgt Ion:119 Resp: 276042

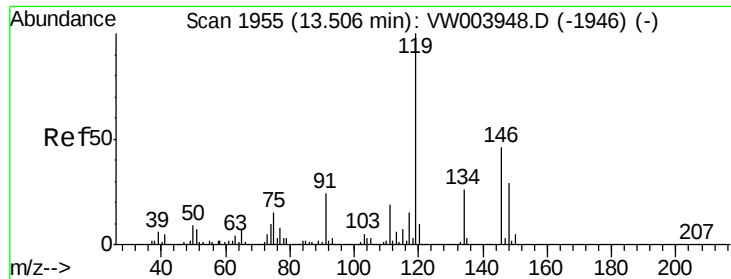
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 23.8 11.8 35.3

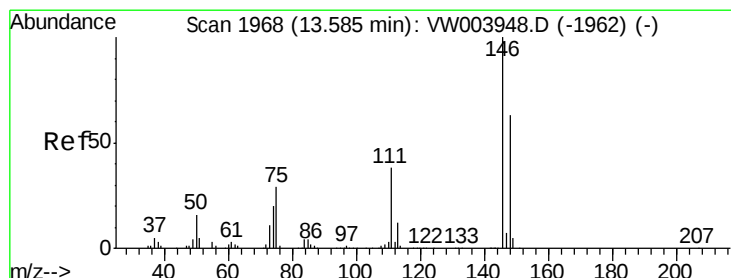
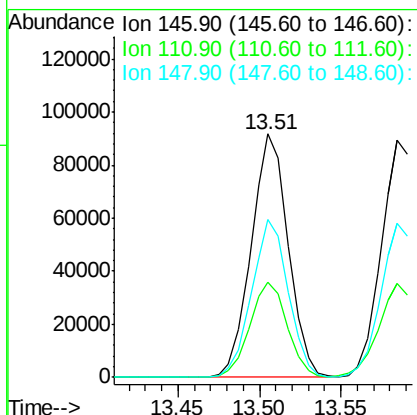
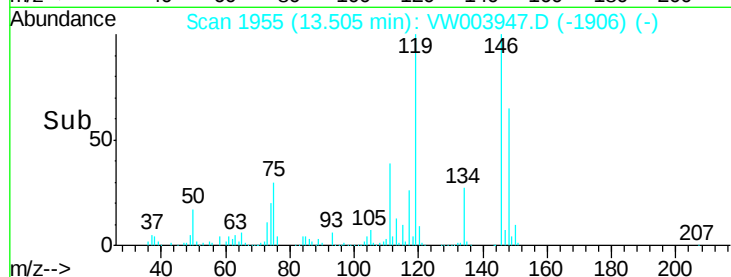
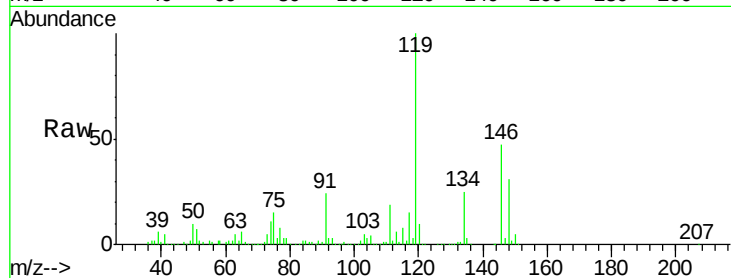




#87
 1,3-Dichlorobenzene
 Concen: 20.44 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

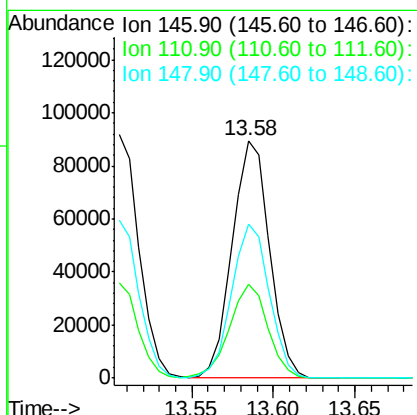
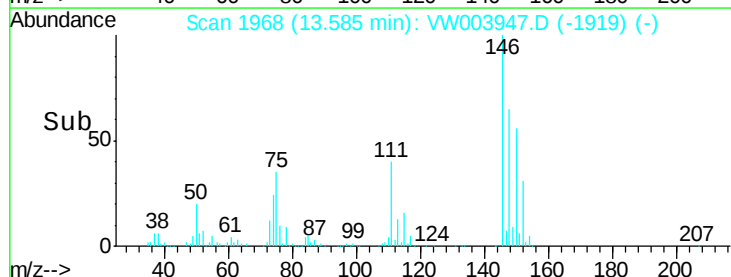
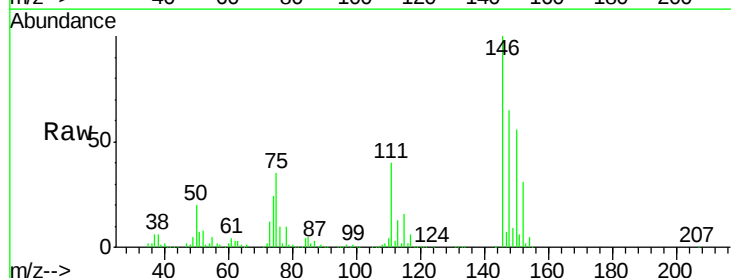
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

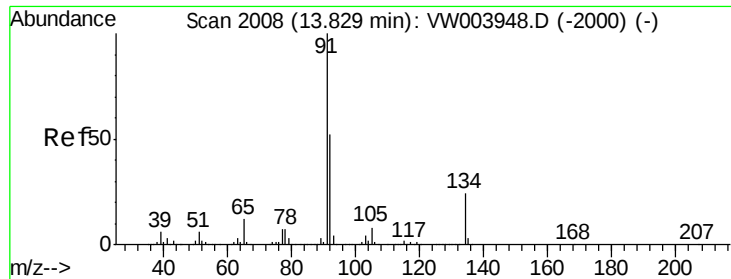
Tot Ion:146 Resp: 144239
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.6
 148 63.8 31.9 95.5



#88
 1,4-Dichlorobenzene
 Concen: 20.19 ug/l
 RT: 13.58 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW003947.D
 Acq: 16 Jul 2018 12:49

Tgt Ion:146 Resp: 142974
 Ion Ratio Lower Upper
 146 100
 111 40.5 19.6 58.7
 148 65.3 32.3 96.8





#89

n-Butylbenzene

Concen: 20.25 ug/l

RT: 13.83 min Scan# 2009

Delta R.T. 0.01 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

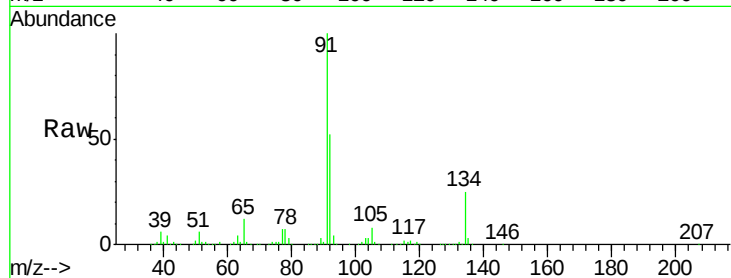
Tot Ion: 91 Resp: 269908

Ion Ratio Lower Upper

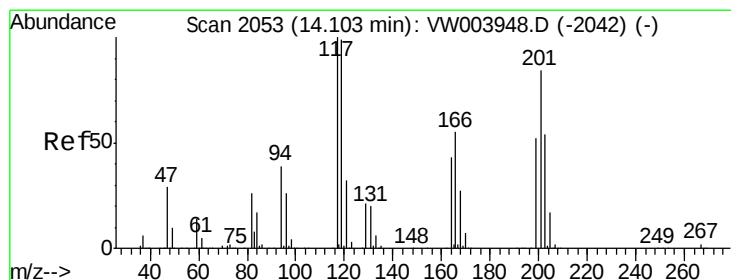
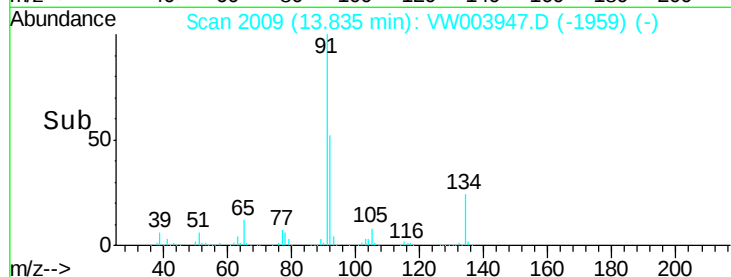
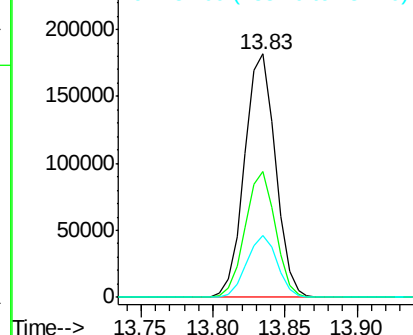
91 100

92 50.7 26.1 78.3

134 24.9 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70):



#90

Hexachloroethane

Concen: 19.79 ug/l

RT: 14.10 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VW003947.D

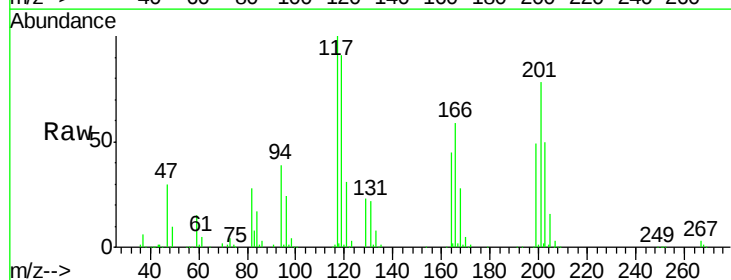
Acq: 16 Jul 2018 12:49

Tgt Ion: 117 Resp: 49701

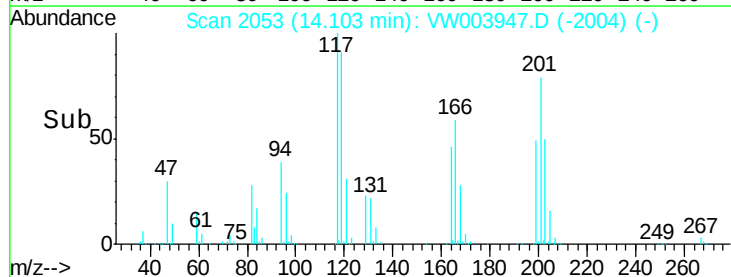
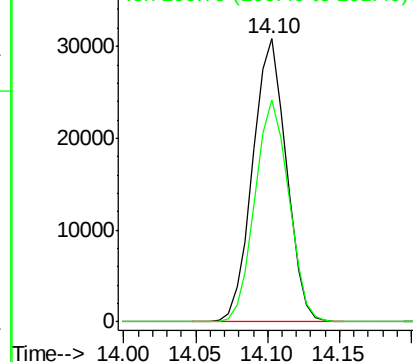
Ion Ratio Lower Upper

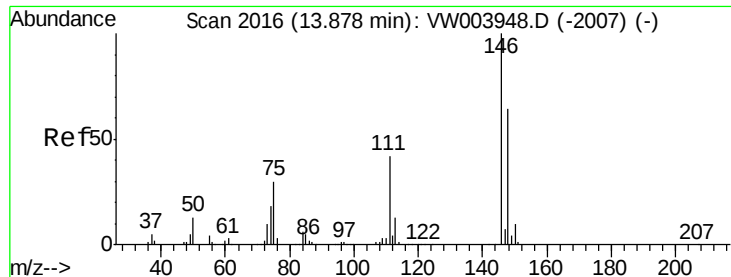
117 100

201 79.0 40.3 120.9



Abundance Ion 116.80 (116.50 to 117.50):
Ion 200.70 (200.40 to 201.40):





#91

1,2-Dichlorobenzene

Concen: 20.47 ug/l

RT: 13.88 min Scan# 2016

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

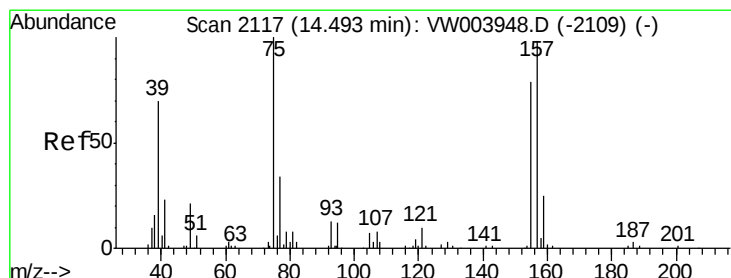
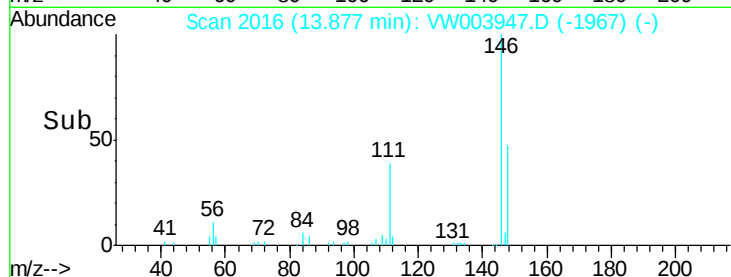
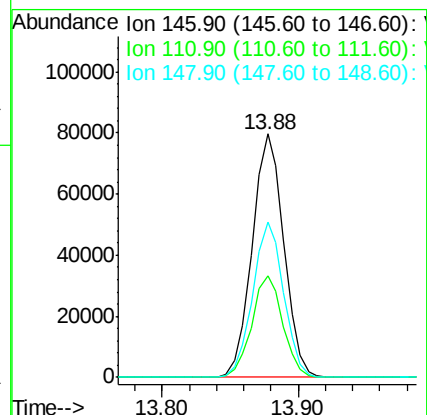
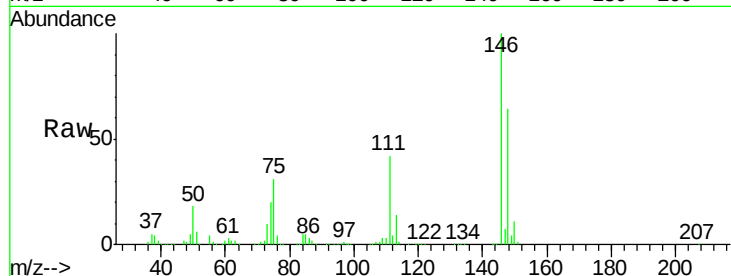
Tot Ion:146 Resp: 129281

Ion Ratio Lower Upper

146 100

111 41.1 20.7 62.1

148 62.7 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.31 ug/l

RT: 14.49 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

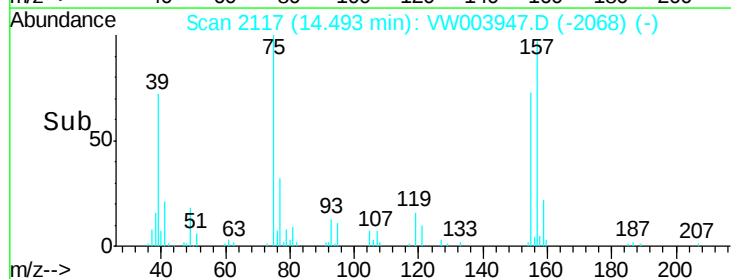
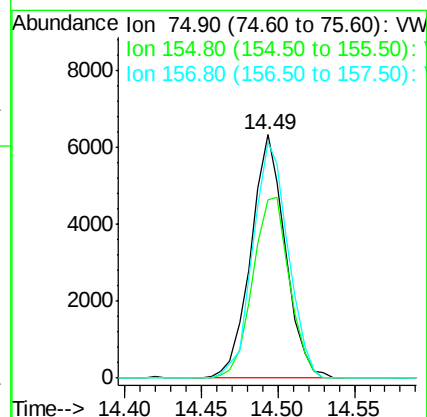
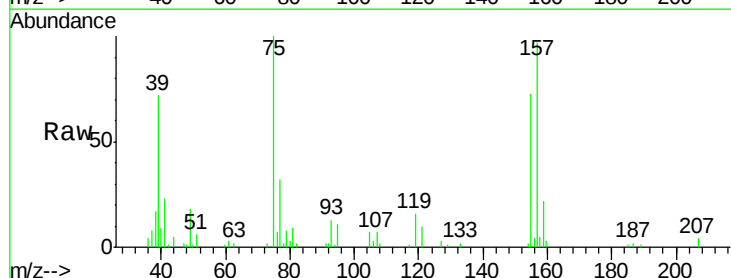
Tgt Ion: 75 Resp: 9867

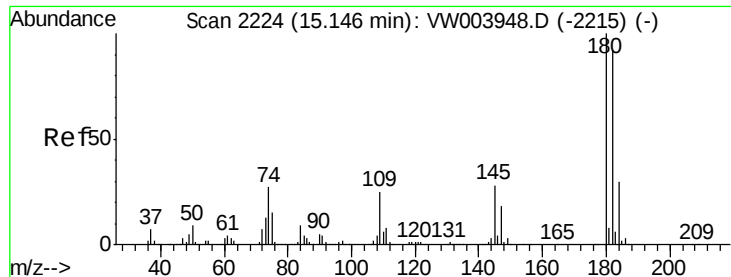
Ion Ratio Lower Upper

75 100

155 79.3 39.4 118.1

157 99.3 51.8 155.4

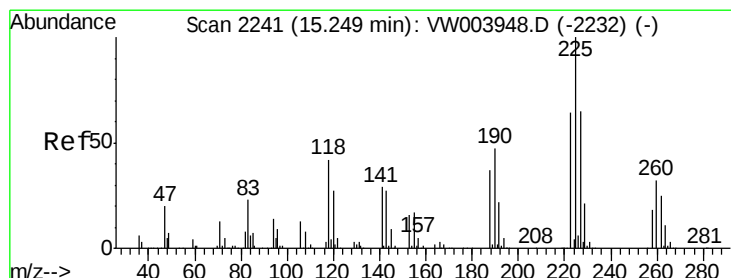
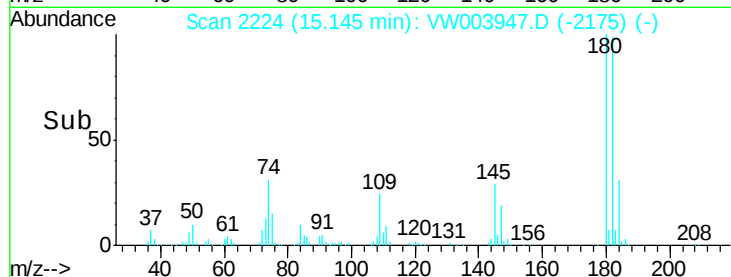
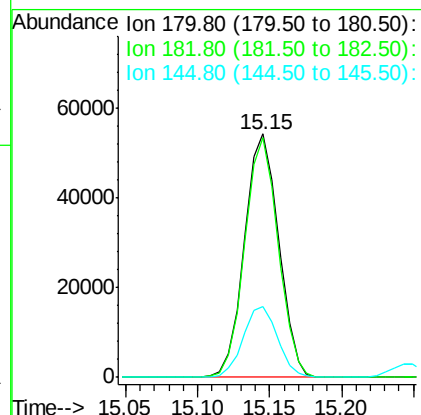
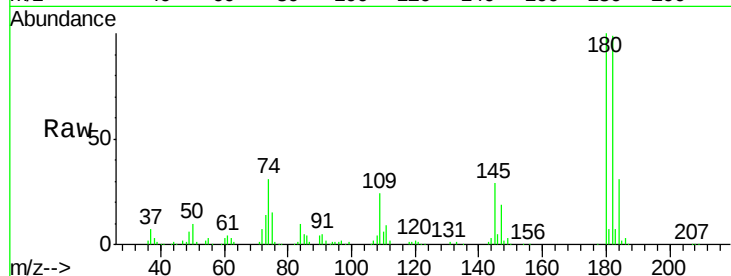




#93
1,2,4-Trichlorobenzene
Concen: 20.57 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

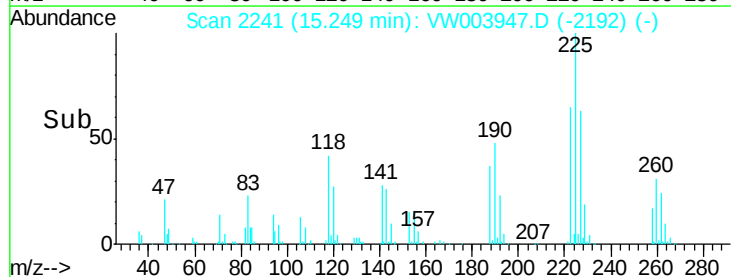
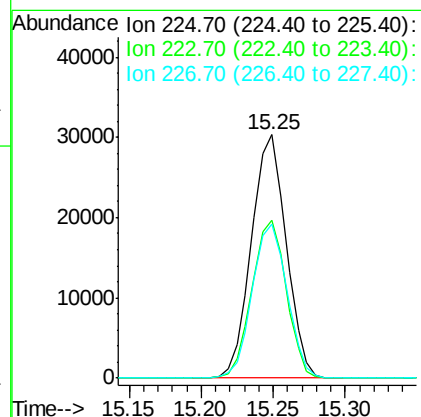
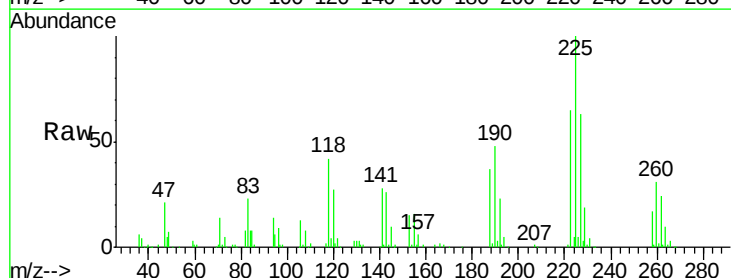
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC020

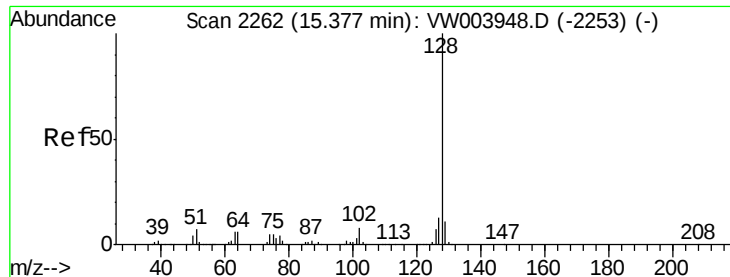
Tot Ion:180 Resp: 89592
Ion Ratio Lower Upper
180 100
182 96.1 46.9 140.8
145 29.2 15.0 45.0



#94
Hexachlorobutadiene
Concen: 20.18 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW003947.D
Acq: 16 Jul 2018 12:49

Tgt Ion:225 Resp: 50680
Ion Ratio Lower Upper
225 100
223 64.1 32.0 96.2
227 63.5 32.3 96.9





#95

Naphthalene

Concen: 20.07 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC020

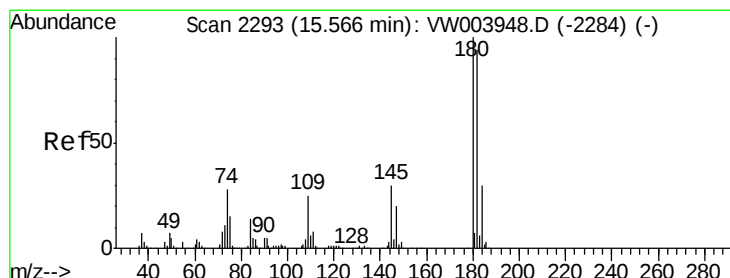
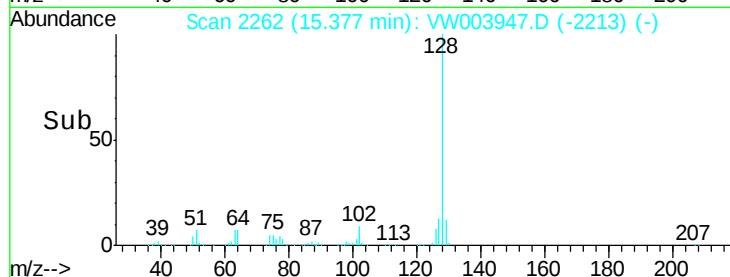
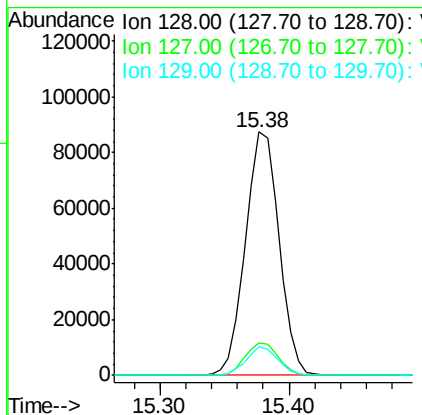
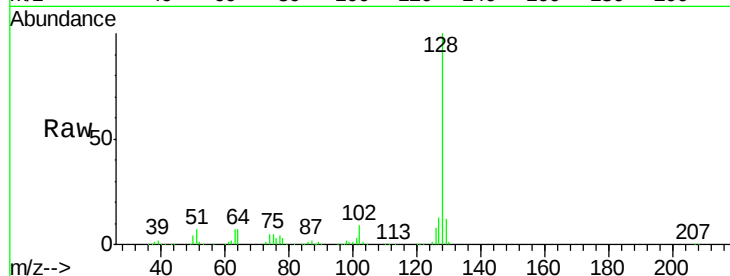
Tot Ion:128 Resp: 157288

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

129 11.1 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 20.12 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003947.D

Acq: 16 Jul 2018 12:49

Tgt Ion:180 Resp: 77699

Ion Ratio Lower Upper

180 100

182 99.0 47.5 142.6

145 32.5 15.8 47.4

