

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003945.D
 Acq On : 16 Jul 2018 11:57
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 16 14:02:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	289801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	460602	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	413517	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	213899	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	15150	4.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.12%	
35) Dibromofluoromethane	7.88	113	14150	4.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.82%	
50) Toluene-d8	10.33	98	53900	4.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.78%	
62) 4-Bromofluorobenzene	12.62	95	19091	4.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	7208	5.05	ug/l	98
3) Chloromethane	2.21	50	10643	4.09	ug/l	96
4) Vinyl Chloride	2.36	62	14384	4.17	ug/l	99
5) Bromomethane	2.77	94	8817	3.70	ug/l	86
6) Chloroethane	2.91	64	8118	3.94	ug/l	97
7) Trichlorofluoromethane	3.25	101	7005	5.02	ug/l	89
8) Diethyl Ether	3.66	74	7056	4.79	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.04	101	15186	5.50	ug/l	98
10) Methyl Iodide	4.26	142	19761	4.82	ug/l	98
11) Tert butyl alcohol	5.18	59	4625	22.25	ug/l	98
12) 1,1-Dichloroethene	4.02	96	14270	5.25	ug/l	91
13) Acrolein	3.89	56	6450	25.37	ug/l	100
14) Allyl chloride	4.65	41	24241	5.19	ug/l	99
15) Acrylonitrile	5.37	53	17008	23.60	ug/l	99
16) Acetone	4.12	43	23473	35.43	ug/l	97
17) Carbon Disulfide	4.36	76	42411	4.77	ug/l	98
18) Methyl Acetate	4.67	43	9291	5.14	ug/l	94
19) Methyl tert-butyl Ether	5.42	73	24183	4.38	ug/l	96
20) Methylene Chloride	4.91	84	47984	12.74	ug/l	99
21) trans-1,2-Dichloroethene	5.41	96	15479	4.85	ug/l	89
22) Diisopropyl ether	6.31	45	42806	4.21	ug/l	94
23) Vinyl Acetate	6.25	43	120394	19.28	ug/l	98
24) 1,1-Dichloroethane	6.20	63	28140	4.53	ug/l	99
25) 2-Butanone	7.17	43	23249	22.86	ug/l	98
26) 2,2-Dichloropropane	7.17	77	18246	5.39	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	16138	4.58	ug/l	97
28) Bromochloromethane	7.51	49	12863	4.71	ug/l	99
29) Tetrahydrofuran	7.54	42	13436	20.63	ug/l	98
30) Chloroform	7.67	83	28384	4.51	ug/l	99
31) Cyclohexane	7.95	56	30276	5.50	ug/l	# 83
32) 1,1,1-Trichloroethane	7.87	97	22601	4.70	ug/l	99
36) 1,1-Dichloropropene	8.08	75	22966	4.73	ug/l	100
37) Ethyl Acetate	7.25	43	10003	4.26	ug/l	98
38) Carbon Tetrachloride	8.07	117	21824	4.74	ug/l	97

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 Data File : VW003945.D
 Acq On : 16 Jul 2018 11:57
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Quant Time: Jul 16 14:02:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 14:03:56 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	25074	4.67	ug/l	92
40) Benzene	8.32	78	64017	4.64	ug/l	99
41) Methacrylonitrile	7.49	41	4902	3.70	ug/l	97
42) 1,2-Dichloroethane	8.40	62	18613	4.20	ug/l	99
43) Isopropyl Acetate	8.43	43	17617	3.98	ug/l	97
44) Trichloroethene	9.09	130	16669	4.77	ug/l	92
45) 1,2-Dichloropropane	9.37	63	15570	4.35	ug/l	97
46) Dibromomethane	9.46	93	7753	4.13	ug/l	97
47) Bromodichloromethane	9.65	83	19843	4.29	ug/l	98
48) Methyl methacrylate	9.44	41	8253	3.92	ug/l	94
49) 1,4-Dioxane	9.45	88	2317	82.27	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	46954	20.54	ug/l	96
52) Toluene	10.39	92	38514	4.51	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	19717	4.26	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	23304	4.45	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	11726	4.50	ug/l	97
56) Ethyl methacrylate	10.65	69	12195	3.83	ug/l	96
57) 1,3-Dichloropropane	10.93	76	19431	4.28	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.93	63	27743	18.84	ug/l	98
59) 2-Hexanone	10.98	43	31784	20.24	ug/l	96
60) Dibromochloromethane	11.13	129	12910	4.25	ug/l	97
61) 1,2-Dibromoethane	11.24	107	10091	4.06	ug/l	93
64) Tetrachloroethene	10.87	164	14388	4.79	ug/l	97
65) Chlorobenzene	11.66	112	44599	4.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14428	4.56	ug/l	97
67) Ethyl Benzene	11.74	91	72270	4.67	ug/l	98
68) m/p-Xylenes	11.84	106	55588	9.39	ug/l	99
69) o-Xylene	12.17	106	25297	4.63	ug/l	100
70) Styrene	12.19	104	40633	4.39	ug/l	100
71) Bromoform	12.35	173	7652	4.39	ug/l #	98
73) Isopropylbenzene	12.47	105	71003	4.91	ug/l	100
74) N-amyl acetate	12.28	43	15690	4.03	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	13580	4.66	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	17727	7.32	ug/l #	100
77) Bromobenzene	12.75	156	17733	4.95	ug/l	96
78) n-propylbenzene	12.81	91	87612	4.83	ug/l	100
79) 2-Chlorotoluene	12.90	91	50462	4.86	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	59604	4.79	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4095	4.74	ug/l	94
82) 4-Chlorotoluene	12.99	91	55649	4.99	ug/l	99
83) tert-Butylbenzene	13.21	119	49792	4.84	ug/l	96
84) 1,2,4-Trimethylbenzene	13.26	105	61111	4.73	ug/l	100
85) sec-Butylbenzene	13.39	105	75604	4.91	ug/l	99
86) p-Isopropyltoluene	13.51	119	64784	4.82	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	36377	5.02	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	37849	5.21	ug/l	95
89) n-Butylbenzene	13.83	91	66307	5.01	ug/l	97
90) Hexachloroethane	14.10	117	13012	5.04	ug/l	96
91) 1,2-Dichlorobenzene	13.88	146	32388	4.98	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2458	4.89	ug/l	99

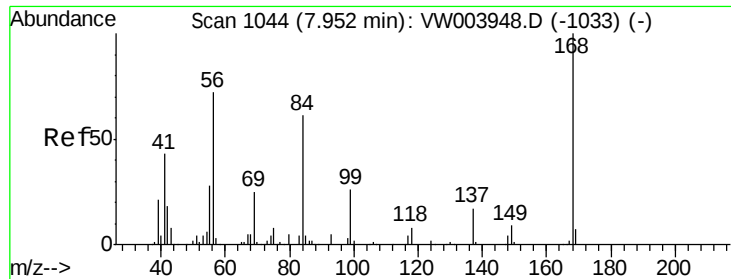
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
Data File : VW003945.D
Acq On : 16 Jul 2018 11:57
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC005

Quant Time: Jul 16 14:02:20 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 16 14:03:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	21645	4.89	ug/l	99
94) Hexachlorobutadiene	15.25	225	13654	5.38	ug/l	97
95) Naphthalene	15.38	128	34455	4.38	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	19486	4.94	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

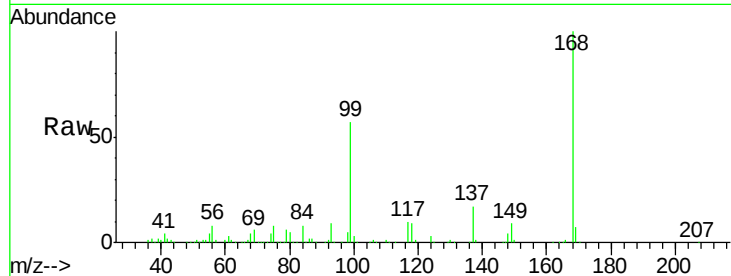
VSTDIC005

Tot Ion:168 Resp: 289801

Ion Ratio Lower Upper

168 100

99 56.9 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60):

Ion 98.90 (98.60 to 99.60): VW

7.95

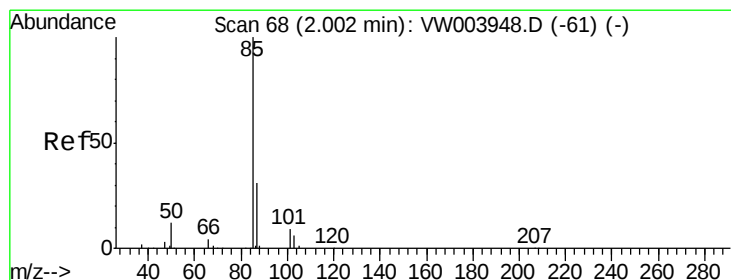
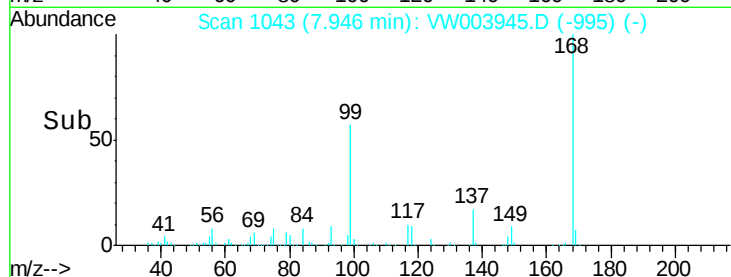
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.05 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW003945.D

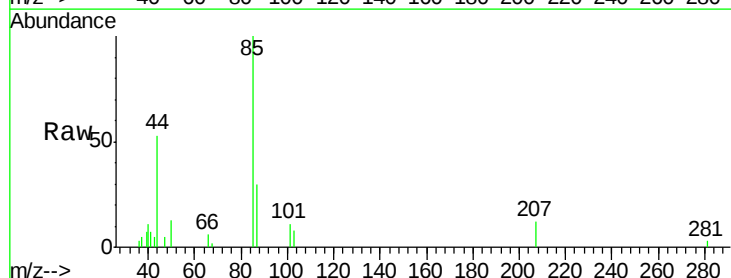
Acq: 16 Jul 2018 11:57

Tgt Ion: 85 Resp: 7208

Ion Ratio Lower Upper

85 100

87 29.6 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

3000

2500

2000

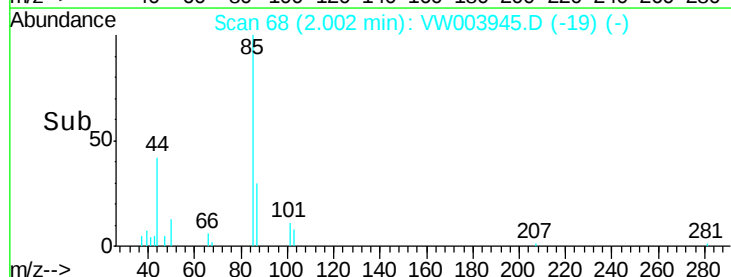
1500

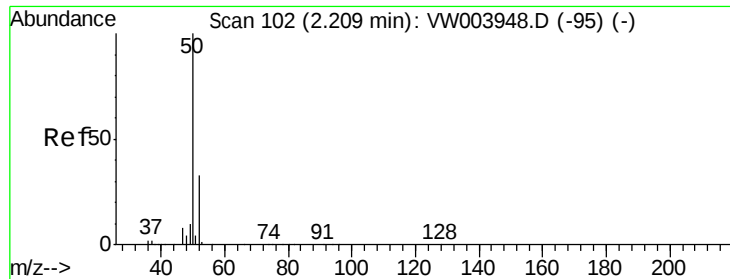
1000

500

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 4.09 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

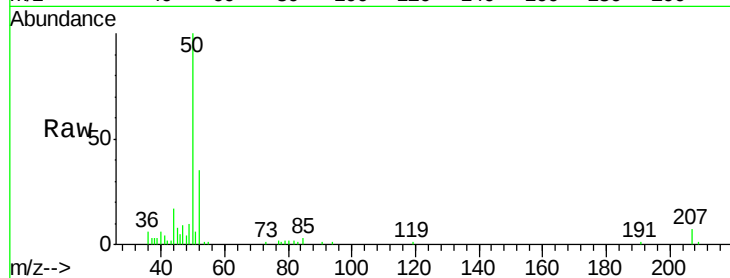
VSTDIC005

Tot Ion: 50 Resp: 10643

Ion Ratio Lower Upper

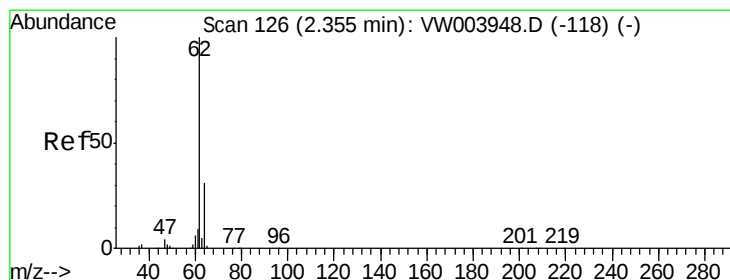
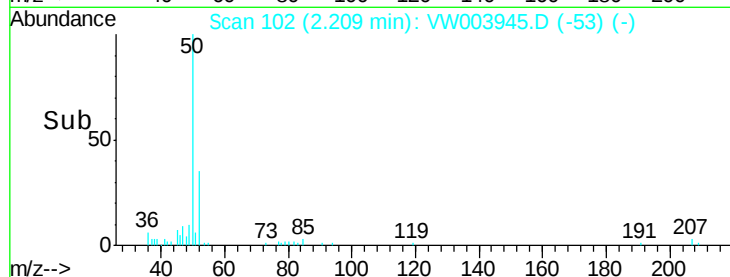
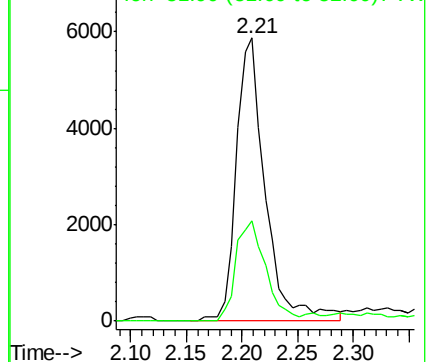
50 100

52 35.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 4.17 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW003945.D

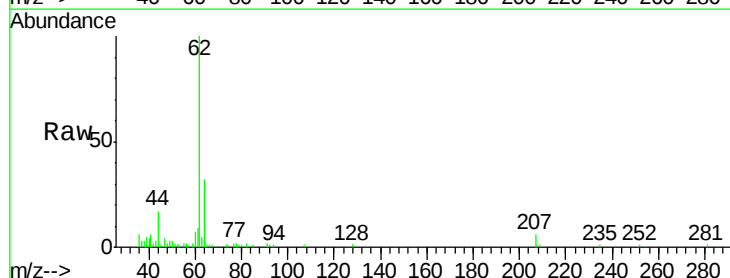
Acq: 16 Jul 2018 11:57

Tgt Ion: 62 Resp: 14384

Ion Ratio Lower Upper

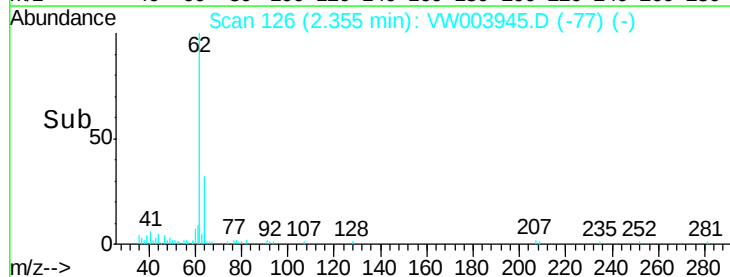
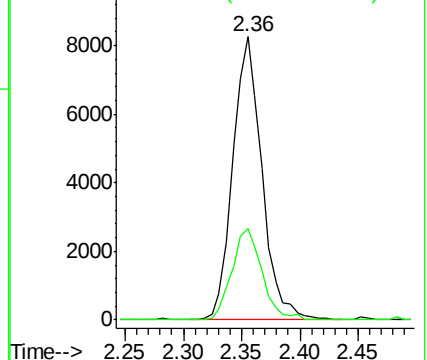
62 100

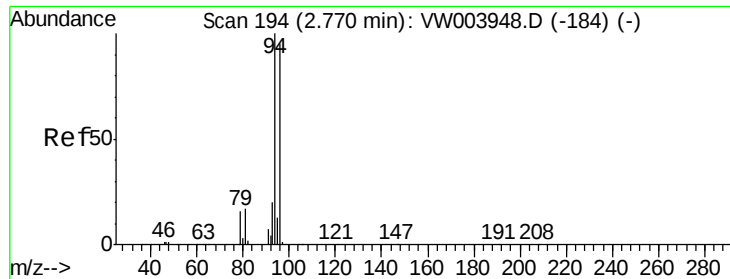
64 32.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 3.70 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

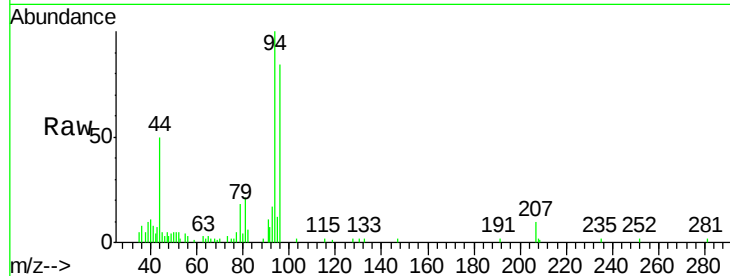
VSTDIC005

Tot Ion: 94 Resp: 8817

Ion Ratio Lower Upper

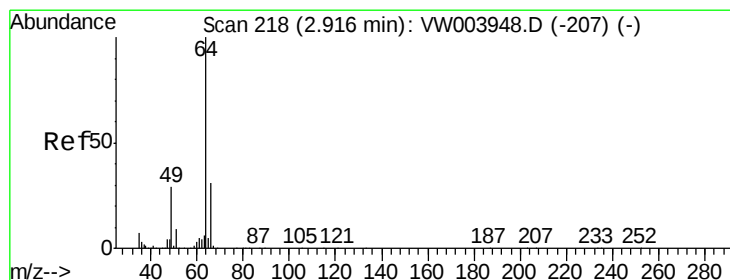
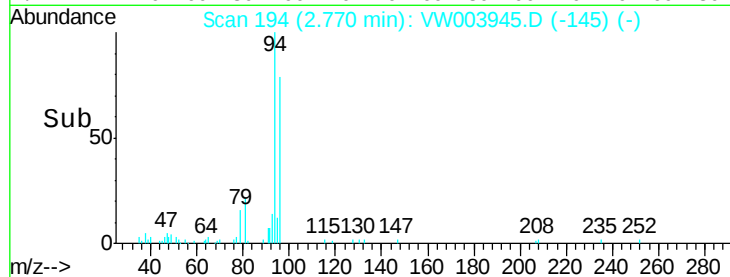
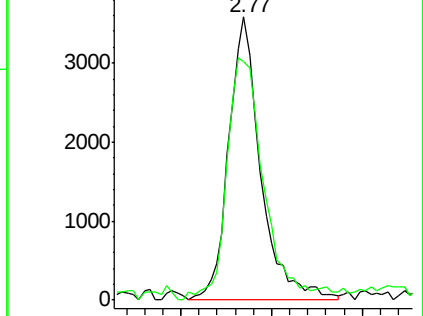
94 100

96 81.5 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: 3.94 ug/l

RT: 2.91 min Scan# 217

Delta R.T. -0.01 min

Lab File: VW003945.D

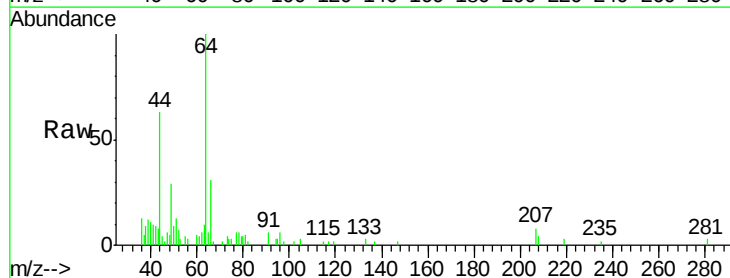
Acq: 16 Jul 2018 11:57

Tgt Ion: 64 Resp: 8118

Ion Ratio Lower Upper

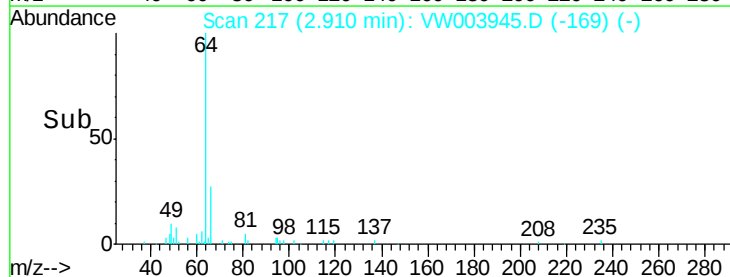
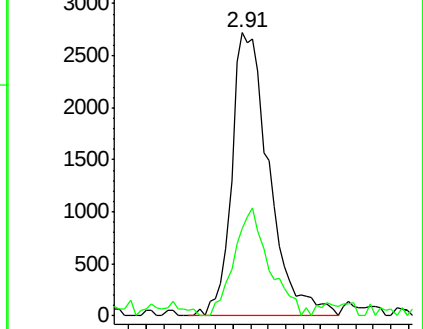
64 100

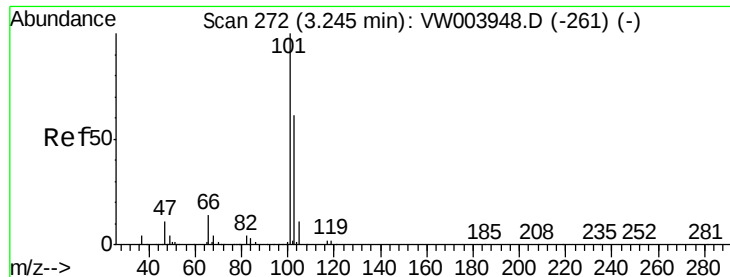
66 28.9 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



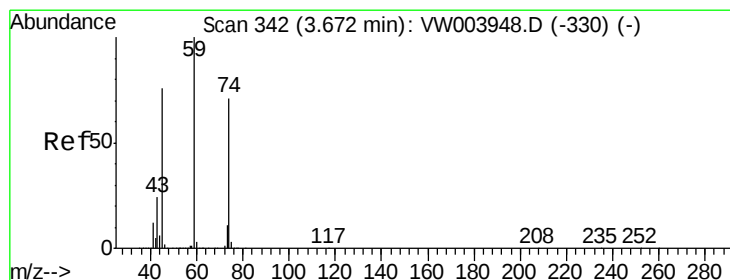
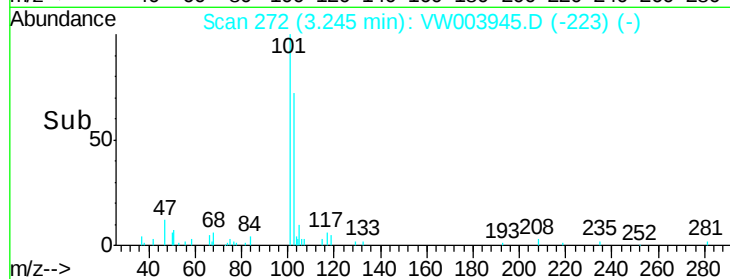
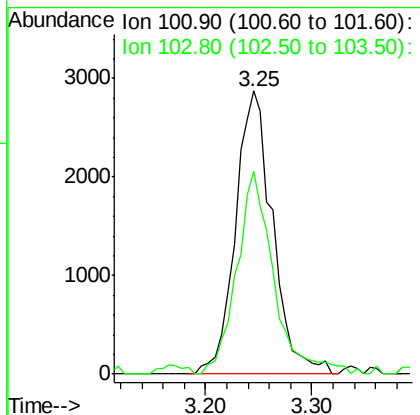
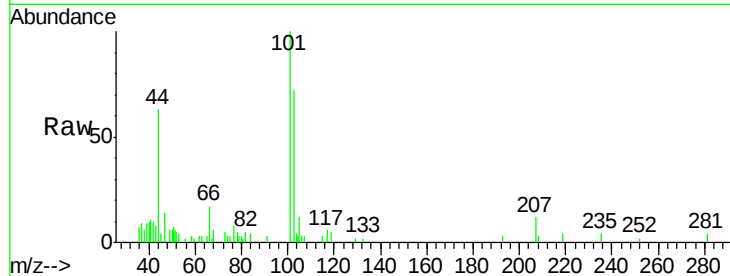


#7

Trichlorofluoromethane
 Concen: 5.02 ug/l
 RT: 3.25 min Scan# 272
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

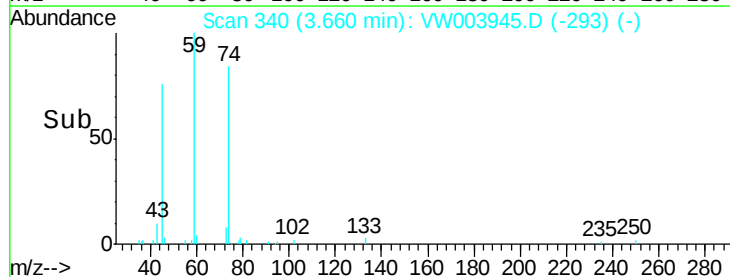
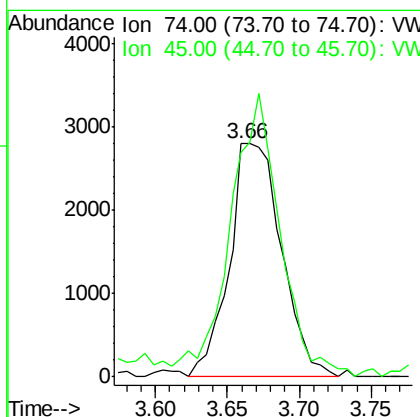
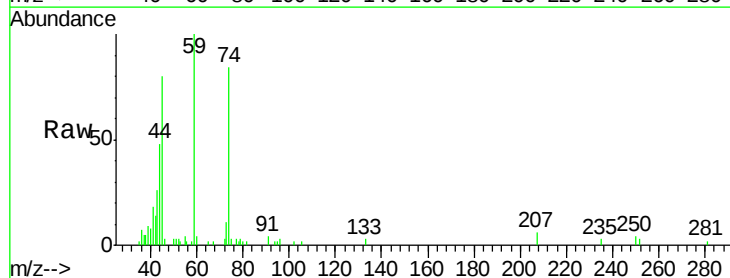
Tot Ion:101 Resp: 7005
 Ion Ratio Lower Upper
 101 100
 103 69.4 49.0 73.6

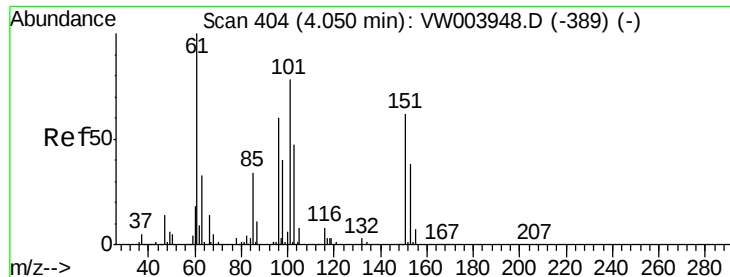


#8

Diethyl Ether
 Concen: 4.79 ug/l
 RT: 3.66 min Scan# 340
 Delta R.T. -0.01 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 74 Resp: 7056
 Ion Ratio Lower Upper
 74 100
 45 116.2 53.8 161.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.50 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

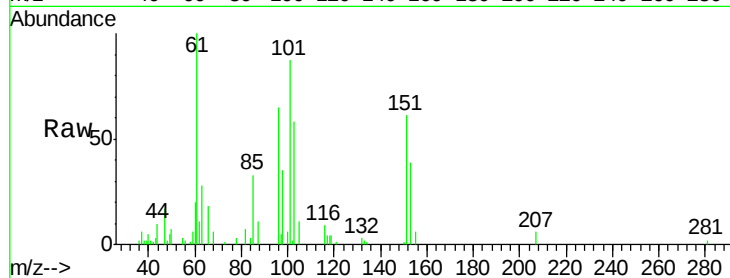
Tot Ion:101 Resp: 15186

Ion Ratio Lower Upper

101 100

85 43.0 35.8 53.6

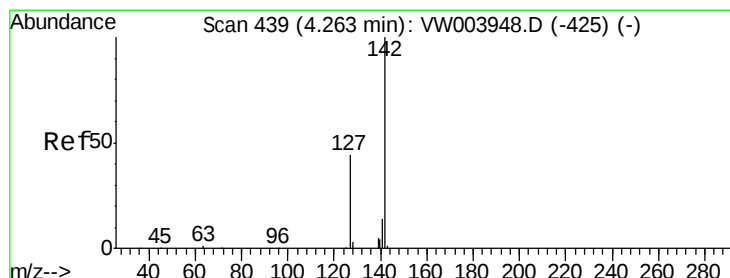
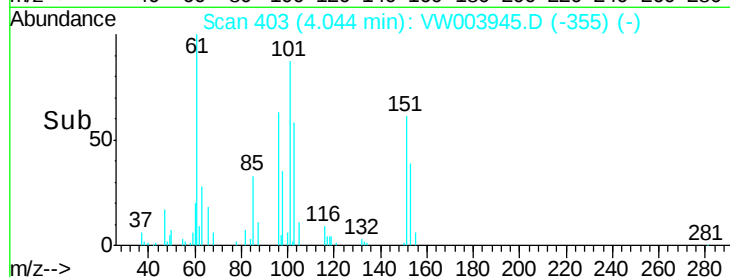
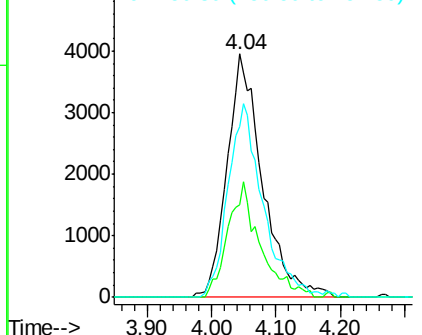
151 78.3 63.6 95.4



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: 4.82 ug/l

RT: 4.26 min Scan# 438

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

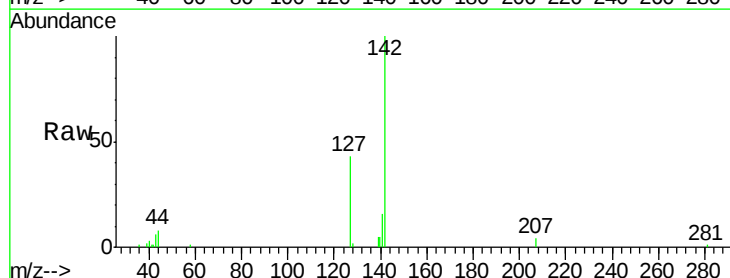
Tgt Ion:142 Resp: 19761

Ion Ratio Lower Upper

142 100

127 45.7 35.4 53.2

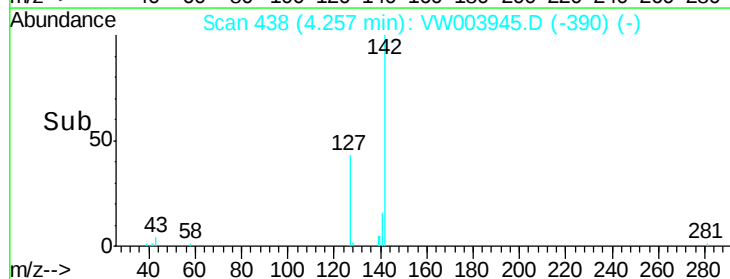
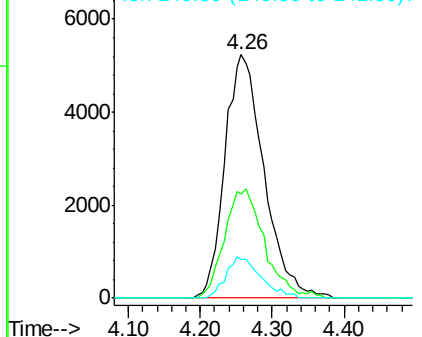
141 15.1 11.7 17.5

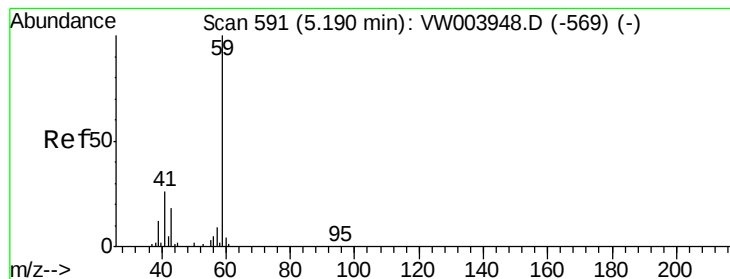


Abundance Ion 141.80 (141.50 to 142.50):

Ion 126.80 (126.50 to 127.50):

Ion 140.80 (140.50 to 141.50):



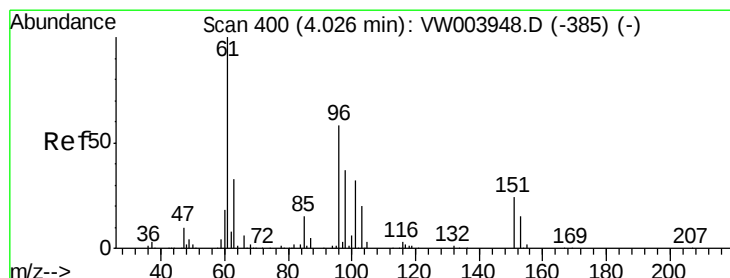
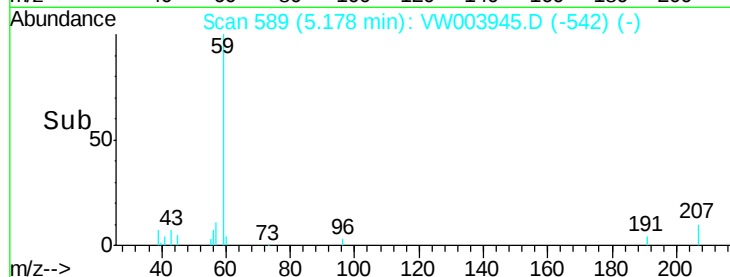
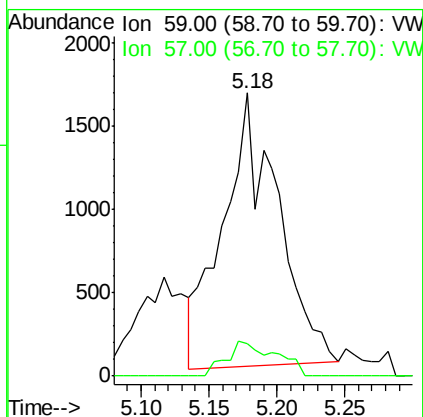
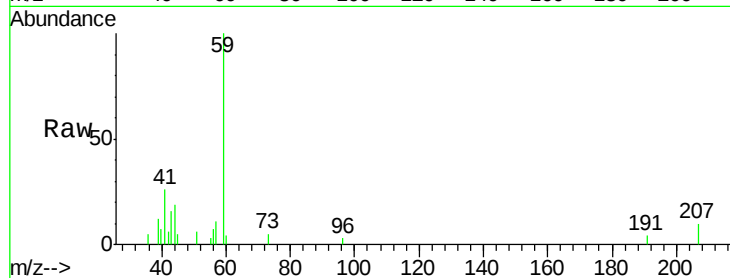


#11

Tert butyl alcohol
Concen: 22.25 ug/l
RT: 5.18 min Scan# 589
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

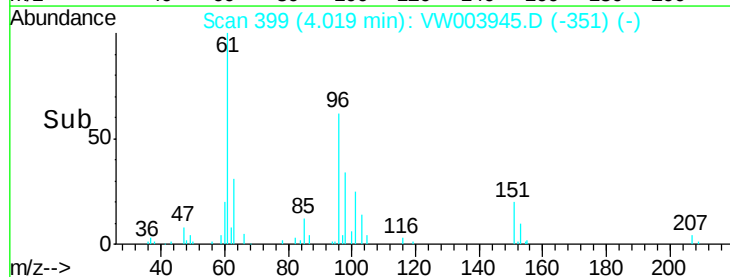
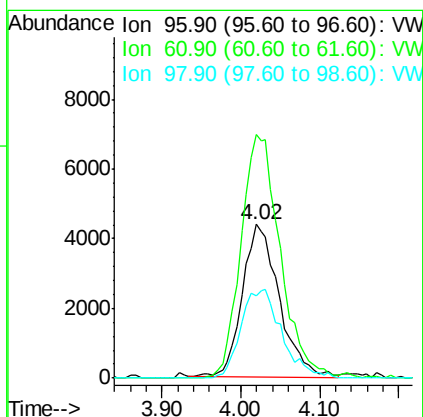
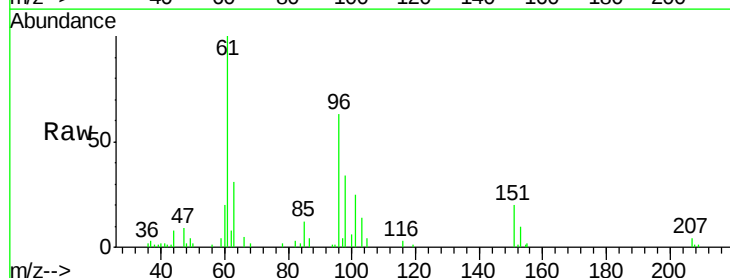
Tot Ion: 59 Resp: 4625
Ion Ratio Lower Upper
59 100
57 11.5 8.5 12.7

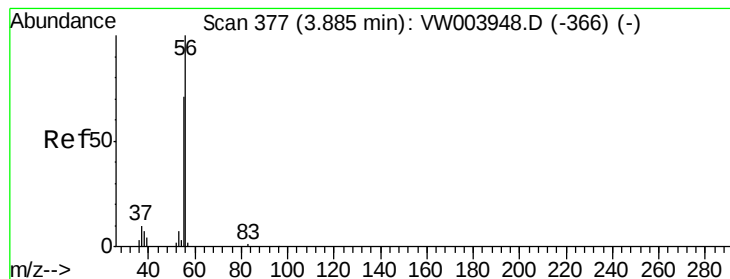


#12

1,1-Dichloroethene
Concen: 5.25 ug/l
RT: 4.02 min Scan# 399
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 96 Resp: 14270
Ion Ratio Lower Upper
96 100
61 160.3 137.0 205.6
98 53.8 50.2 75.4





#13

Acrolein

Concen: 25.37 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

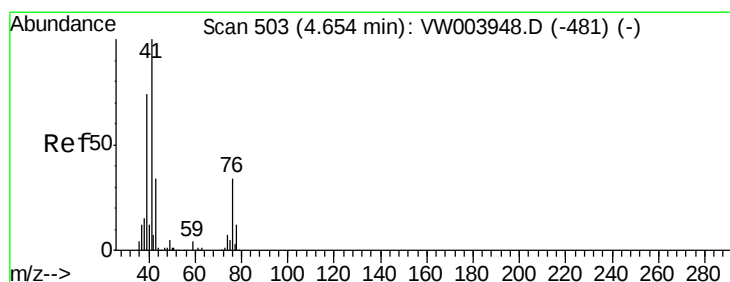
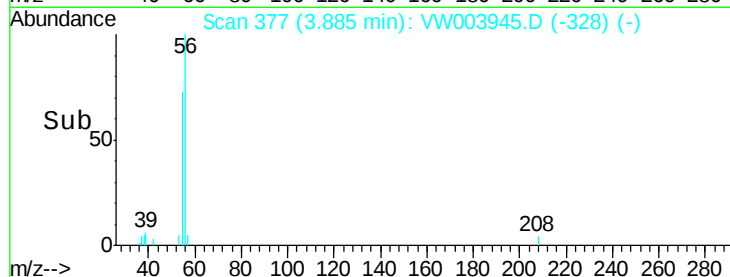
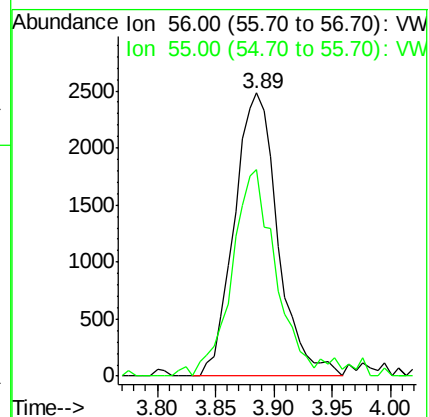
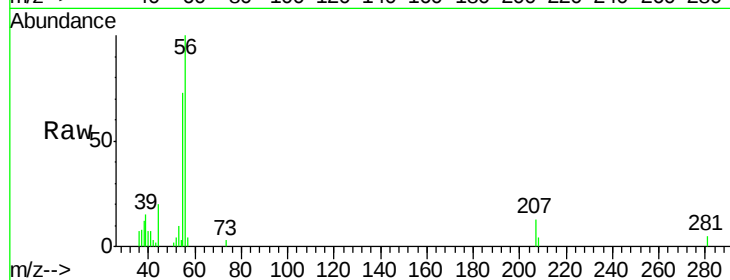
VSTDIC005

Tot Ion: 56 Resp: 6450

Ion Ratio Lower Upper

56 100

55 72.9 58.2 87.4



#14

Allyl chloride

Concen: 5.19 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

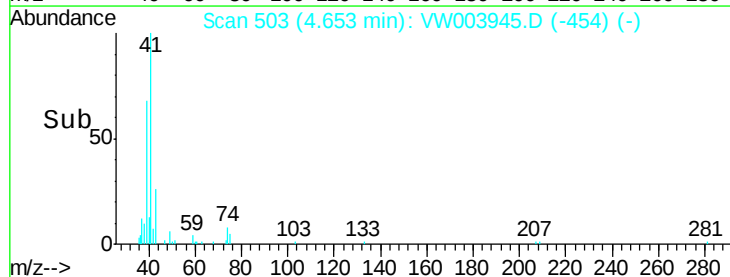
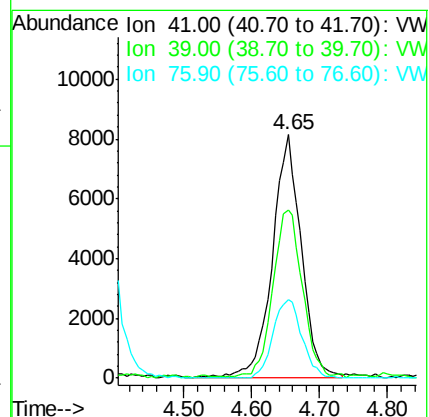
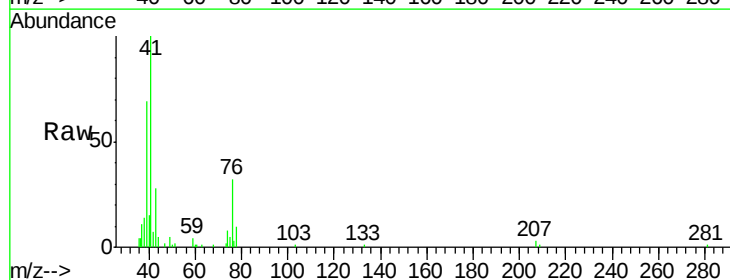
Tgt Ion: 41 Resp: 24241

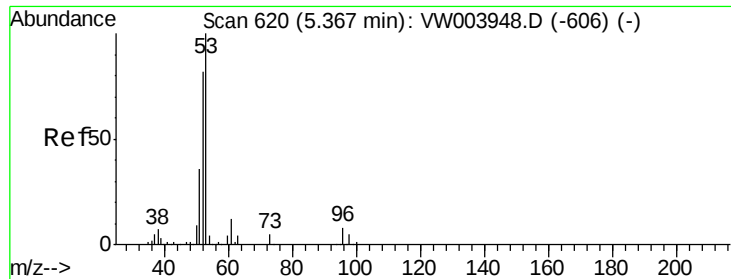
Ion Ratio Lower Upper

41 100

39 70.6 57.0 85.4

76 32.1 26.5 39.7





#15

Acrylonitrile

Concen: 23.60 ug/l

RT: 5.37 min Scan# 621

Delta R.T. 0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

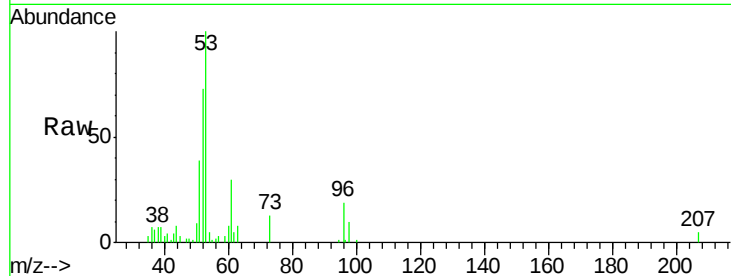
Tot Ion: 53 Resp: 17008

Ion Ratio Lower Upper

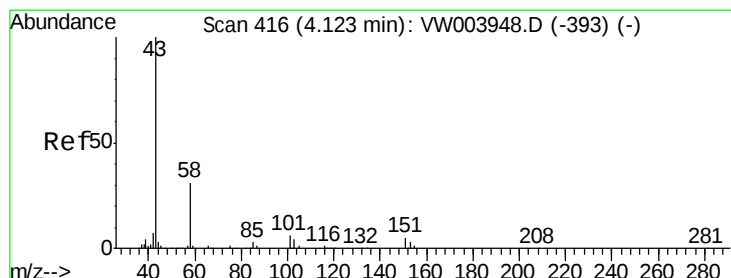
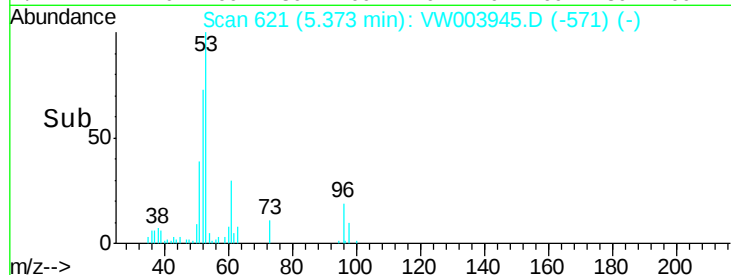
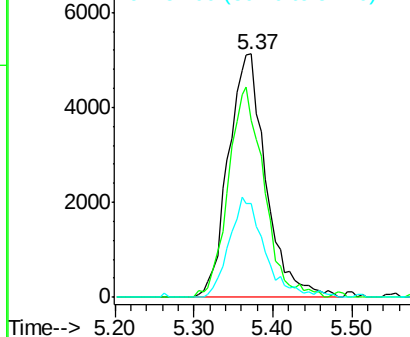
53 100

52 81.8 66.1 99.1

51 38.3 29.8 44.6



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 35.43 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW003945.D

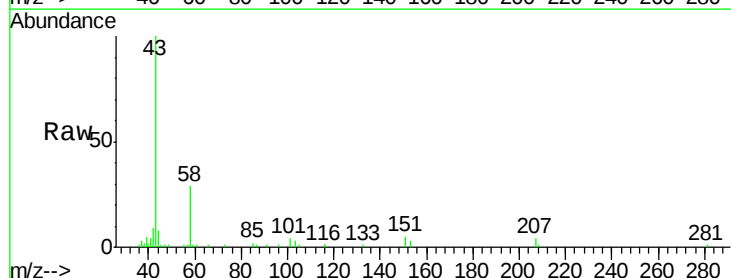
Acq: 16 Jul 2018 11:57

Tgt Ion: 43 Resp: 23473

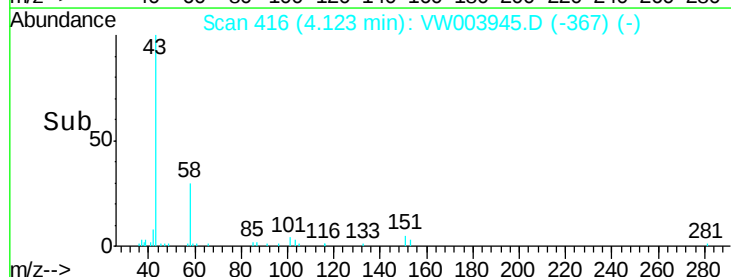
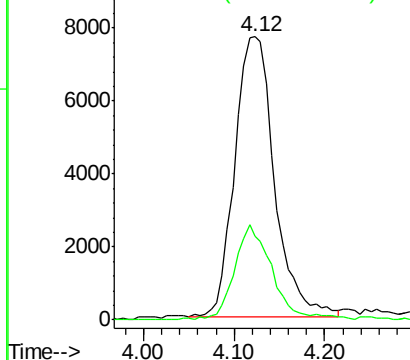
Ion Ratio Lower Upper

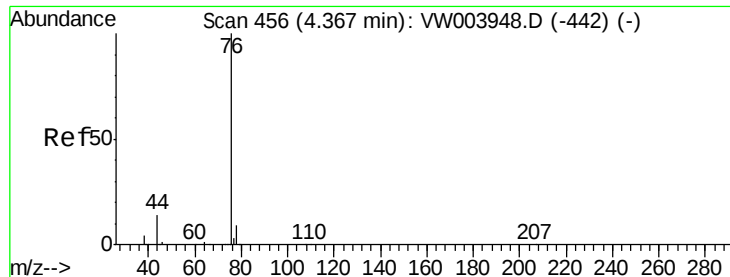
43 100

58 29.0 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 4.77 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

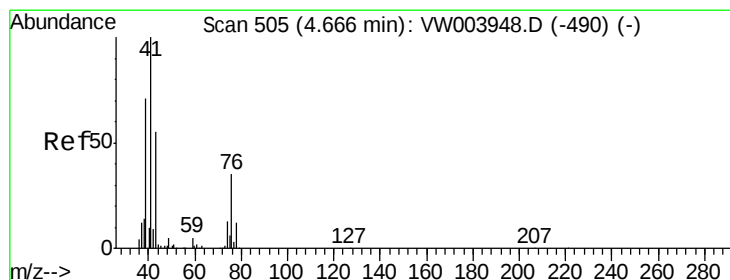
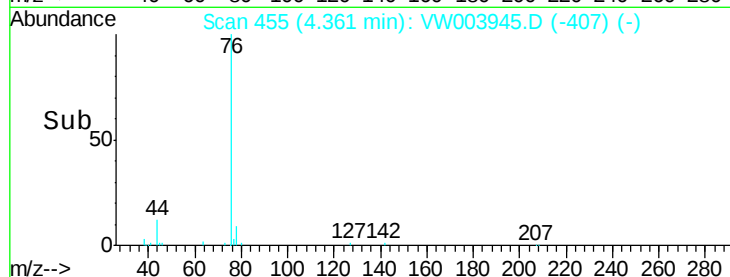
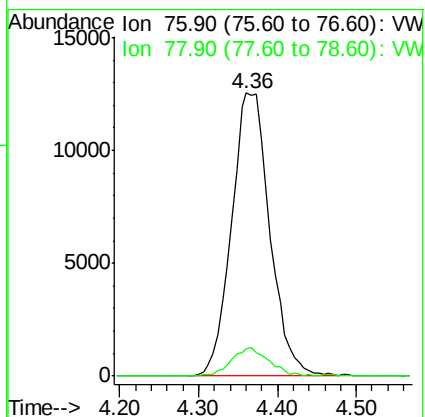
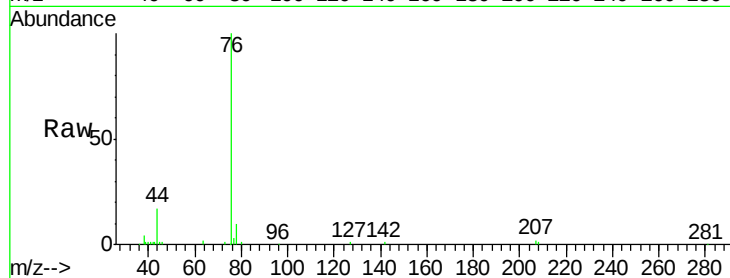
VSTDIC005

Tot Ion: 76 Resp: 42411

Ion Ratio Lower Upper

76 100

78 9.8 7.1 10.7



#18

Methyl Acetate

Concen: 5.14 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW003945.D

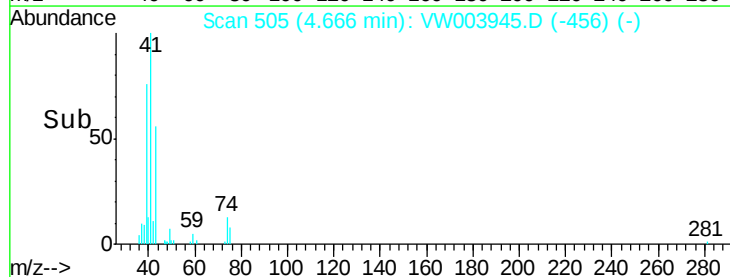
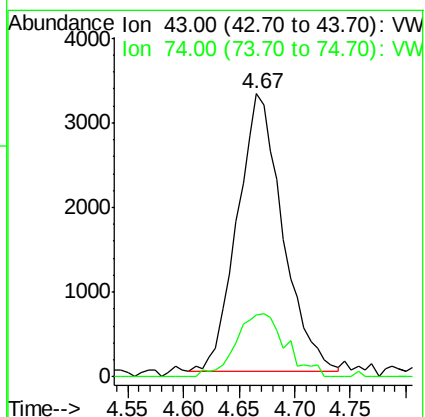
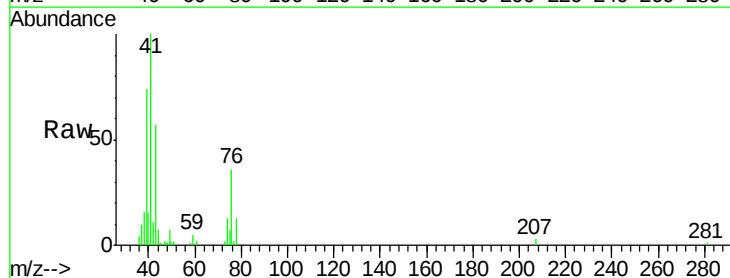
Acq: 16 Jul 2018 11:57

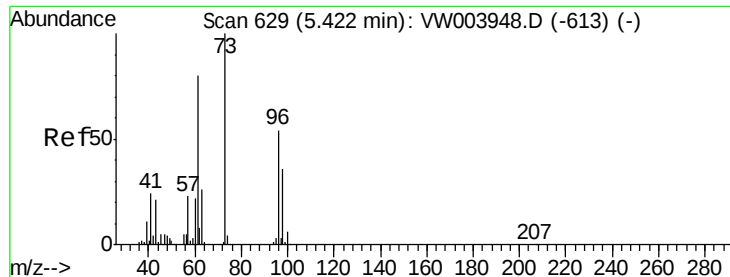
Tgt Ion: 43 Resp: 9291

Ion Ratio Lower Upper

43 100

74 25.0 17.7 26.5

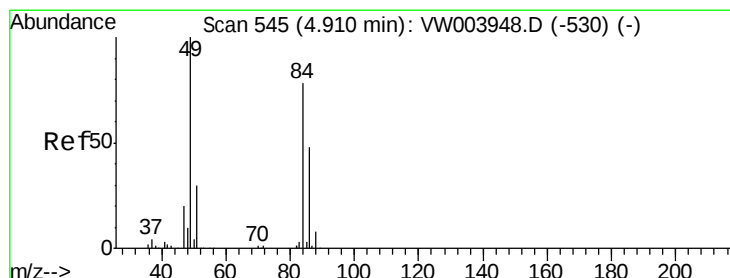
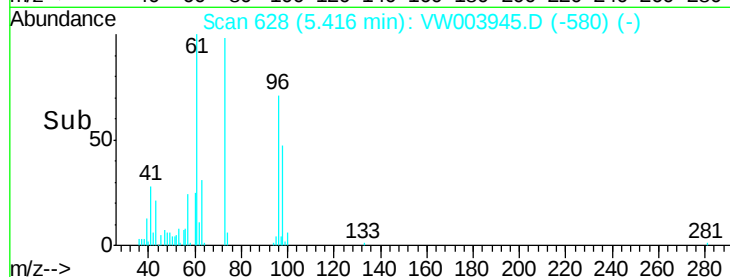
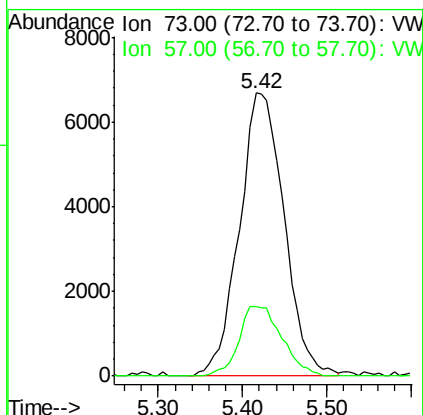
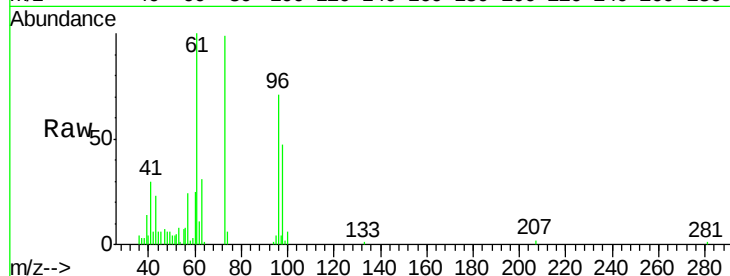




#19
Methyl tert-butyl Ether
Concen: 4.38 ug/l
RT: 5.42 min Scan# 628
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

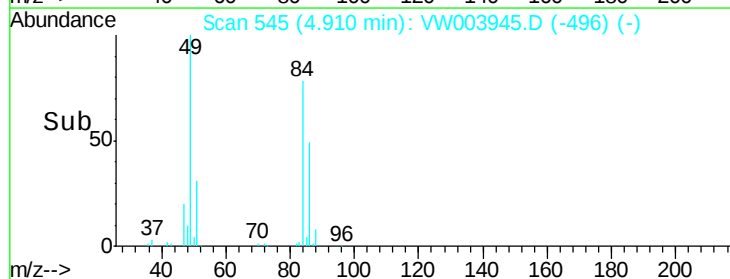
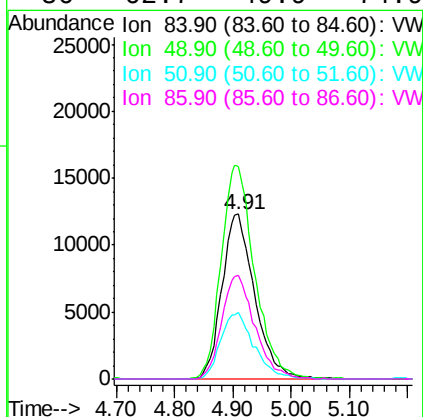
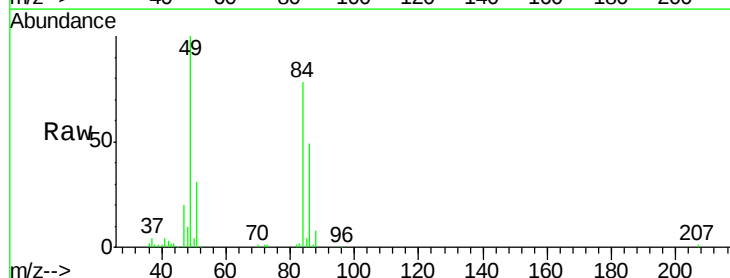
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

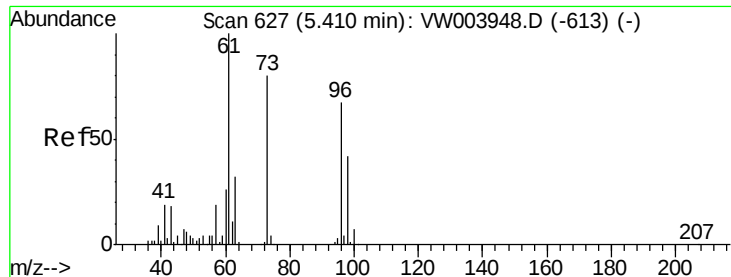
Tot Ion: 73 Resp: 24183
Ion Ratio Lower Upper
73 100
57 24.6 18.2 27.4



#20
Methylene Chloride
Concen: 12.74 ug/l
RT: 4.91 min Scan# 545
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 84 Resp: 47984
Ion Ratio Lower Upper
84 100
49 128.7 102.9 154.3
51 40.5 30.9 46.3
86 62.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 4.85 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

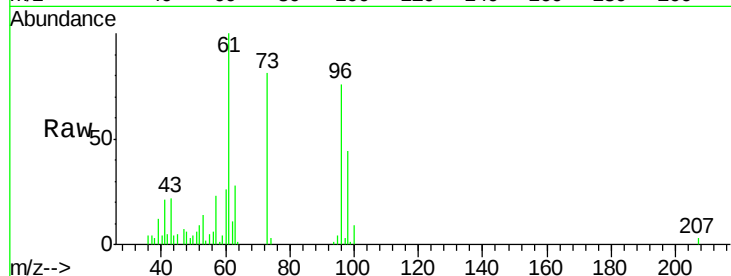
Tot Ion: 96 Resp: 15479

Ion Ratio Lower Upper

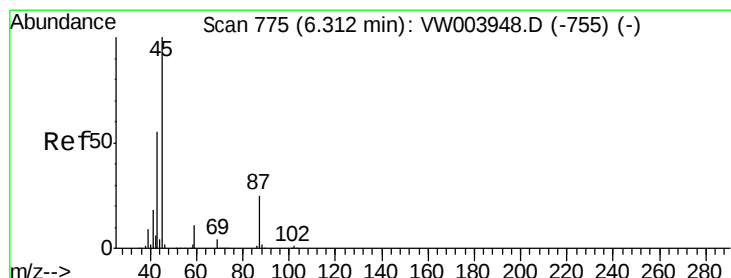
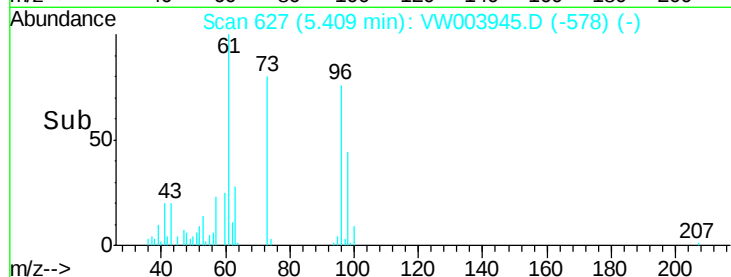
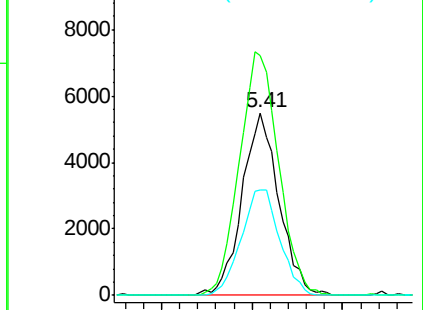
96 100

61 131.4 119.0 178.4

98 57.8 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: 4.21 ug/l

RT: 6.31 min Scan# 774

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion: 45 Resp: 42806

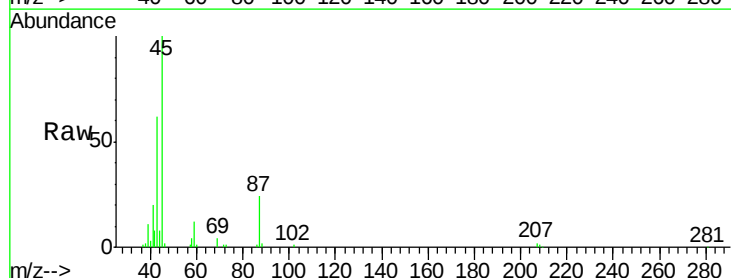
Ion Ratio Lower Upper

45 100

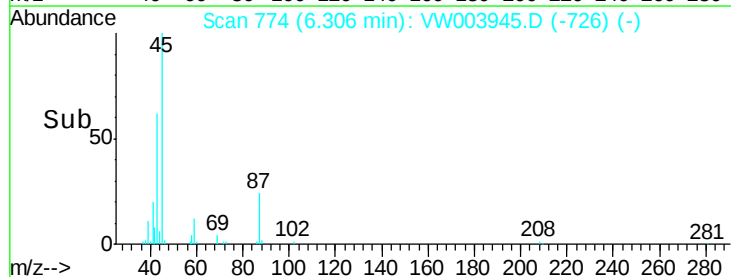
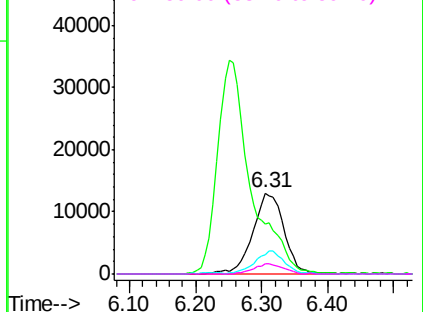
43 61.0 44.3 66.5

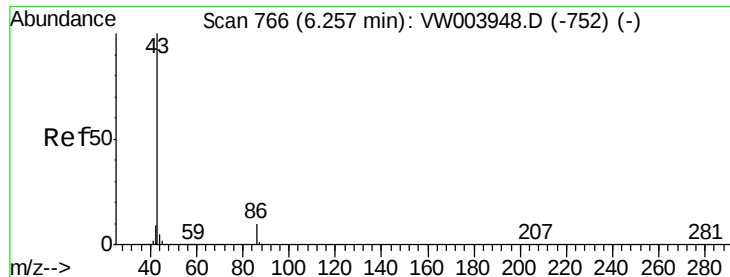
87 24.1 20.2 30.4

59 12.4 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: 19.28 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

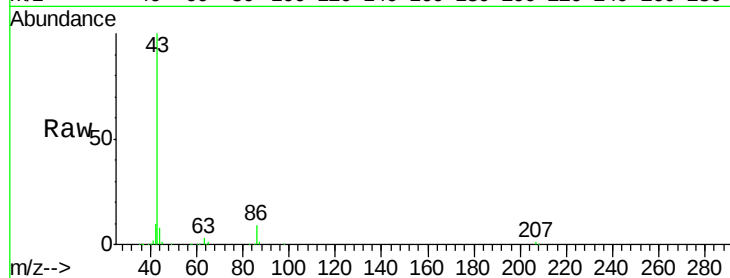
VSTDIC005

Tot Ion: 43 Resp: 120394

Ion Ratio Lower Upper

43 100

86 8.7 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

40000

30000

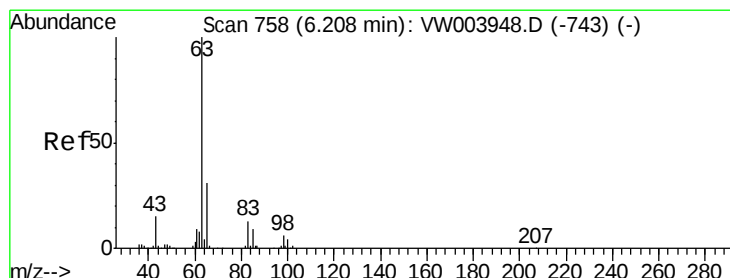
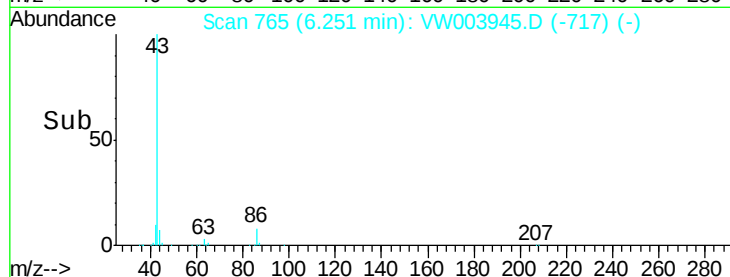
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 4.53 ug/l

RT: 6.20 min Scan# 757

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

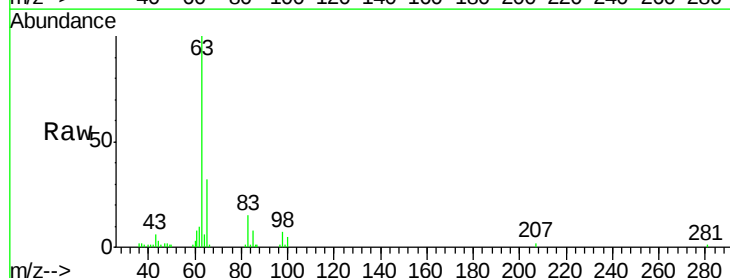
Tgt Ion: 63 Resp: 28140

Ion Ratio Lower Upper

63 100

98 6.6 3.1 9.4

100 4.9 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

12000

10000

8000

6000

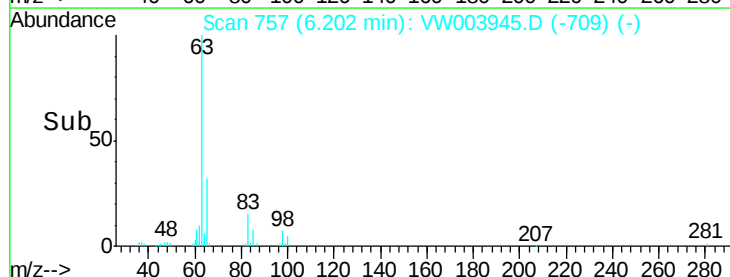
4000

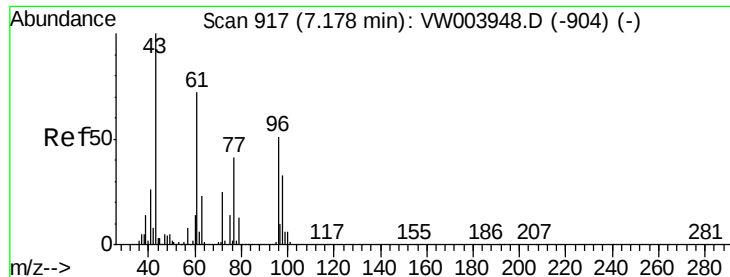
2000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 22.86 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

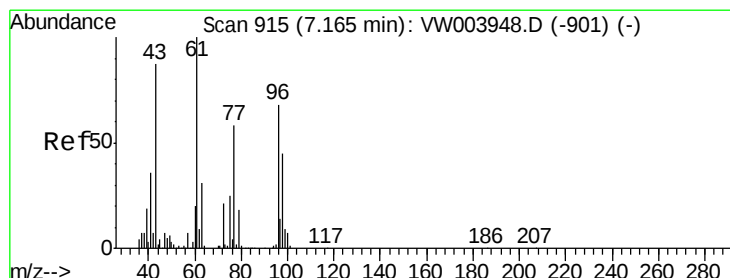
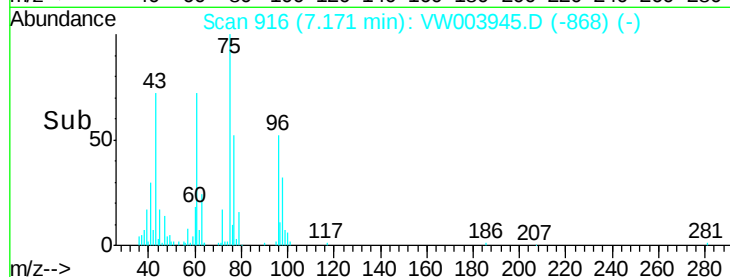
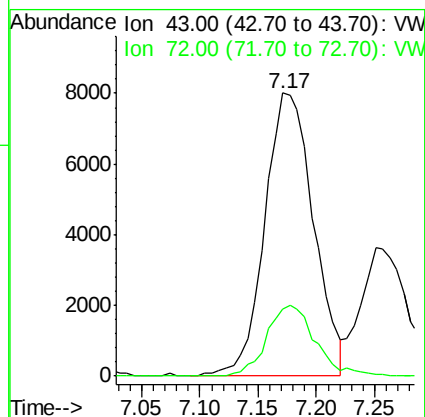
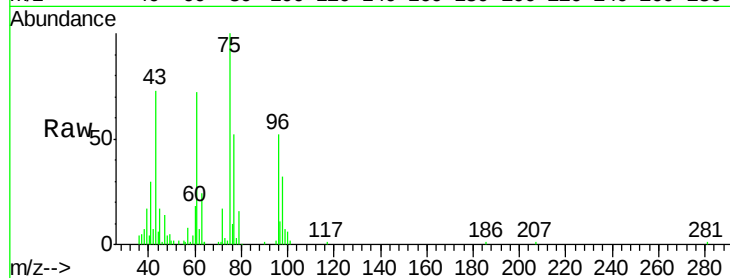
VSTDIC005

Tot Ion: 43 Resp: 23249

Ion Ratio Lower Upper

43 100

72 23.7 19.8 29.6



#26

2,2-Dichloropropane

Concen: 5.39 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW003945.D

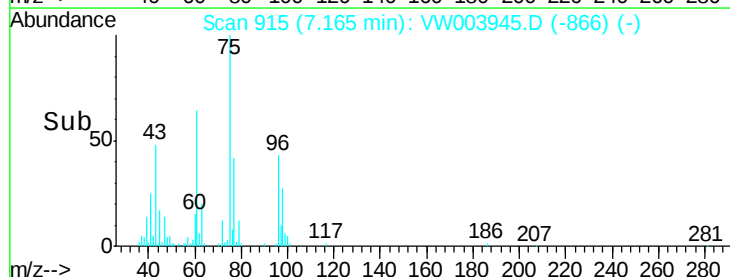
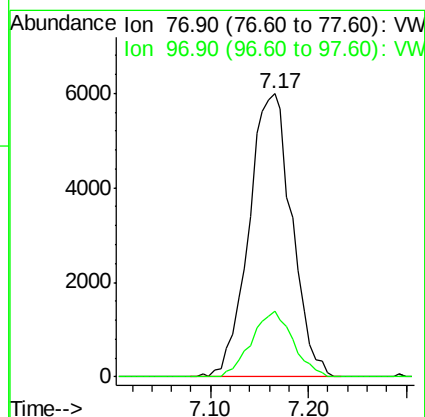
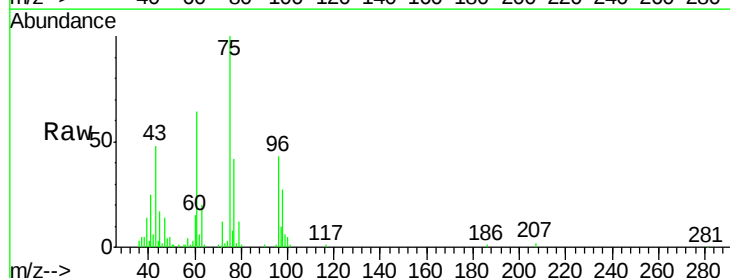
Acq: 16 Jul 2018 11:57

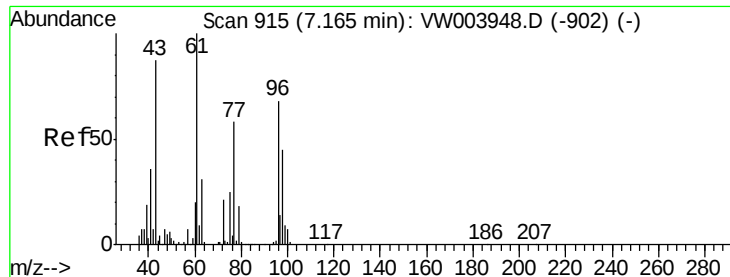
Tgt Ion: 77 Resp: 18246

Ion Ratio Lower Upper

77 100

97 22.4 11.8 35.3



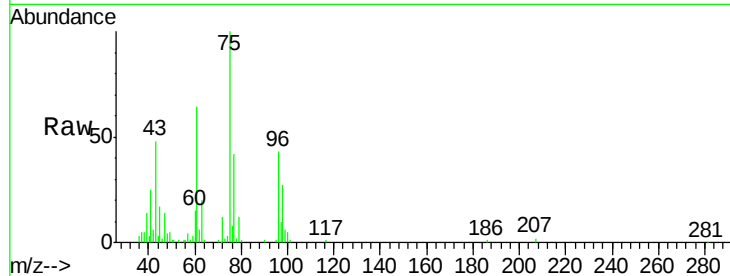


#27

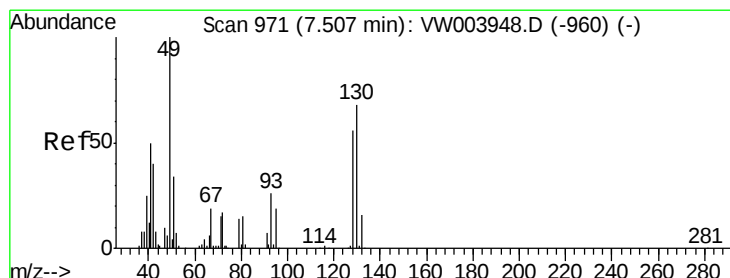
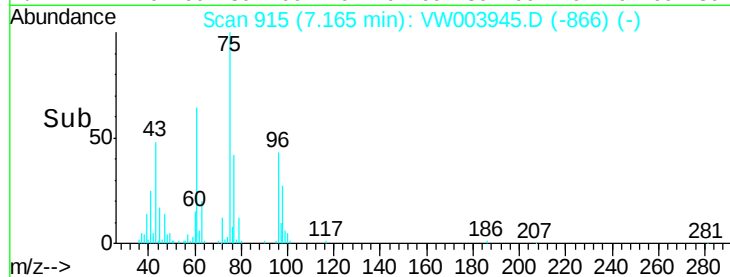
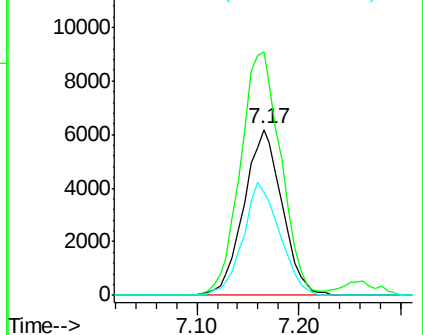
cis-1,2-Dichloroethene
 Concen: 4.58 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	154.9	0.0	298.6
98	64.9	0.0	130.4



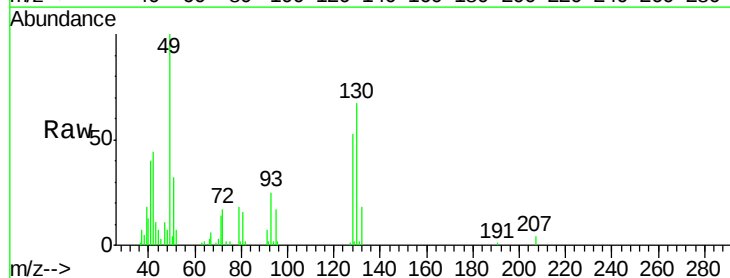
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



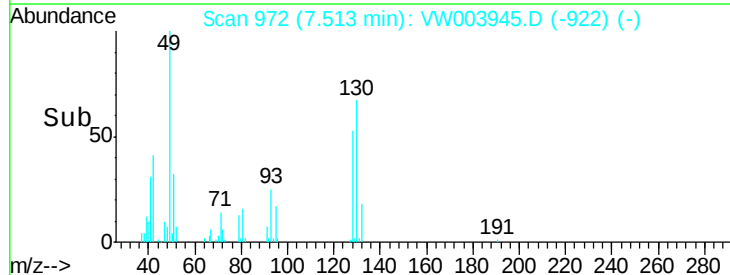
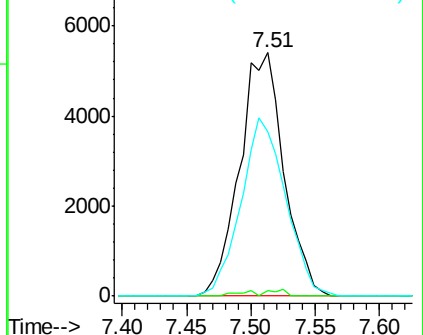
#28

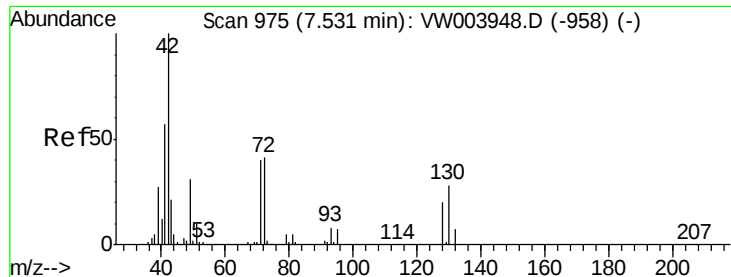
Bromochloromethane
 Concen: 4.71 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	2.2
130	74.0	58.3	87.5



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

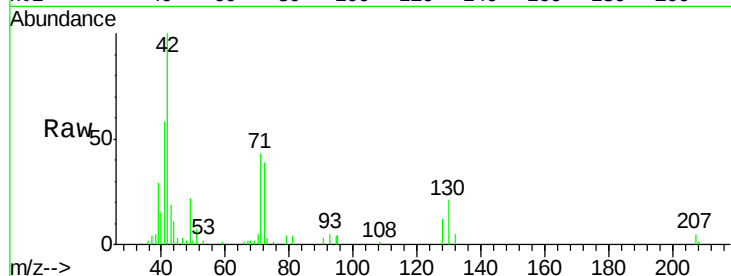




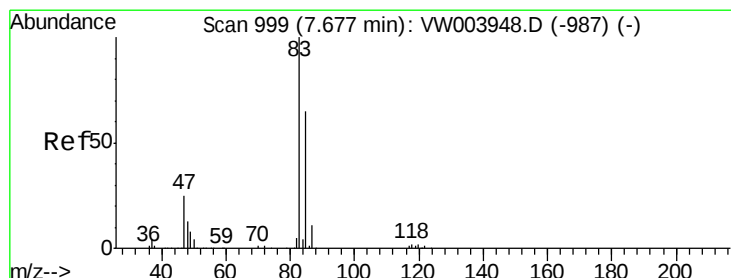
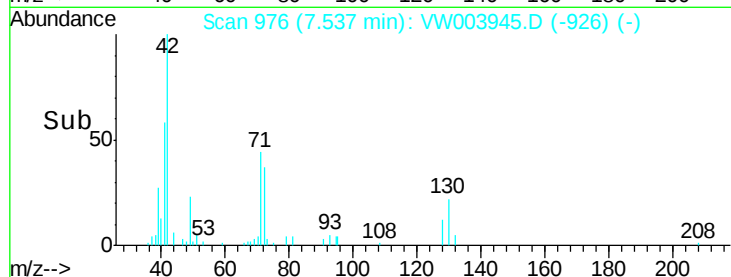
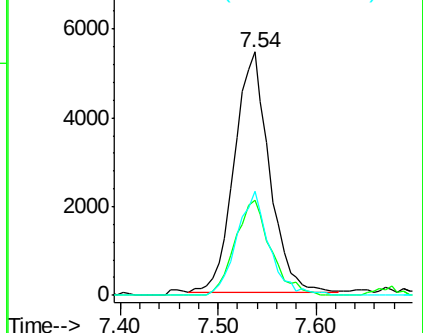
#29
Tetrahydrofuran
Concen: 20.63 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.6	48.8
71	40.2	30.5	45.7

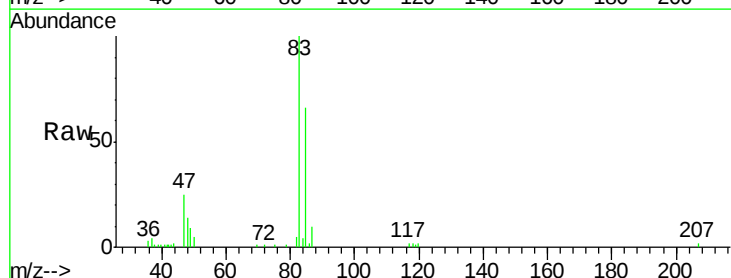


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

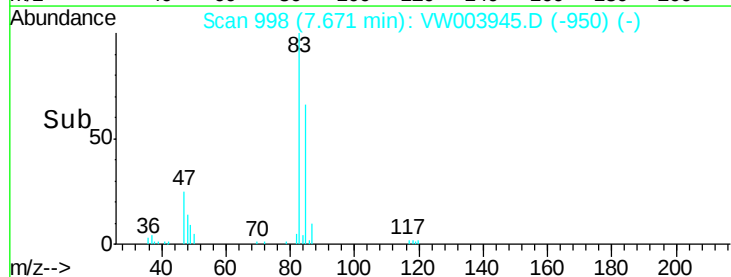
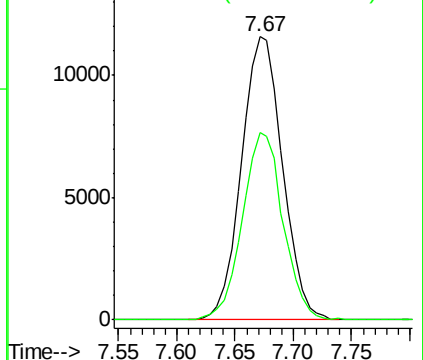


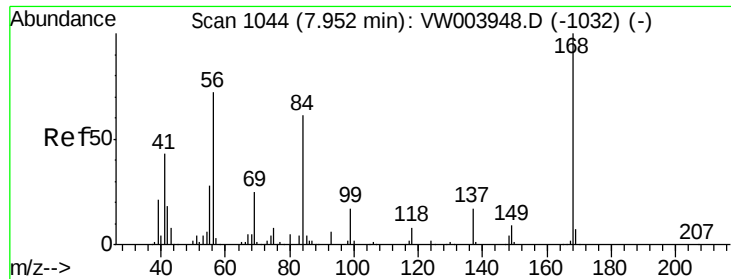
#30
Chloroform
Concen: 4.51 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.2	78.4



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

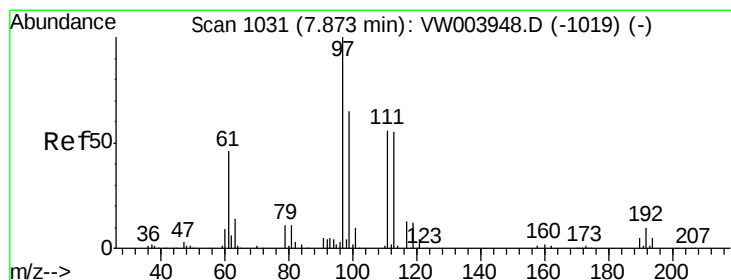
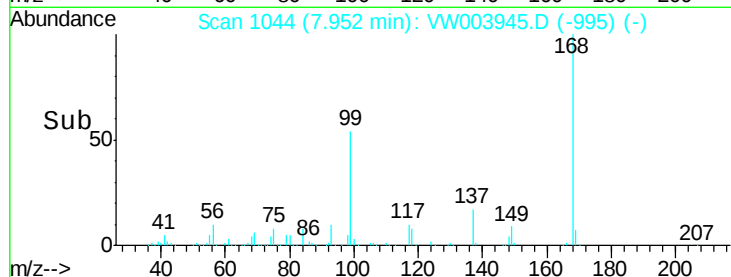
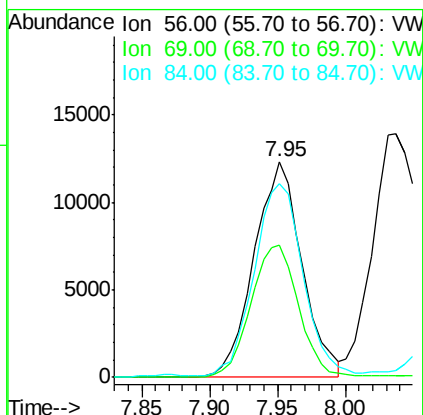
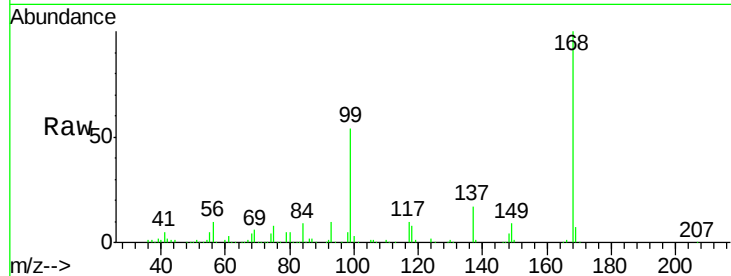




#31
Cyclohexane
Concen: 5.50 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

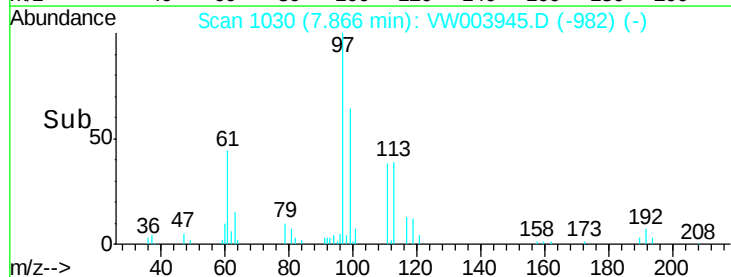
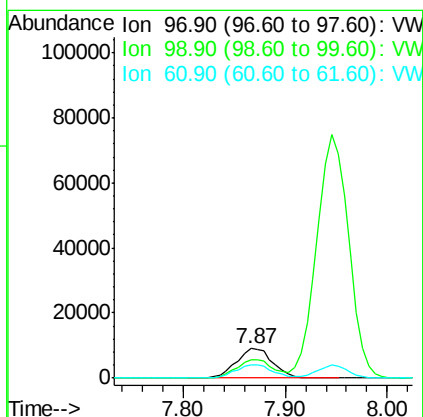
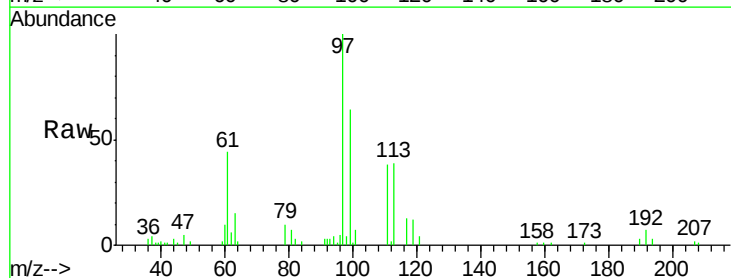
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

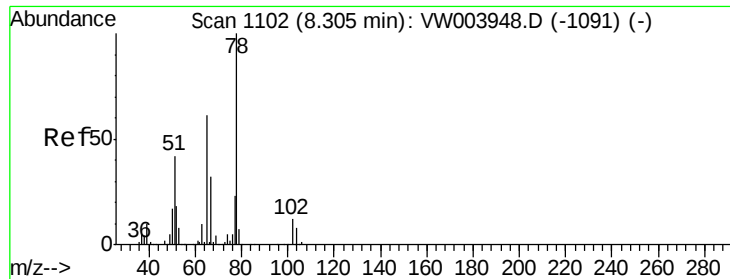
Tot Ion: 56 Resp: 30276
Ion Ratio Lower Upper
56 100
69 61.4 27.8 41.8#
84 88.8 67.2 100.8



#32
1,1,1-Trichloroethane
Concen: 4.70 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 97 Resp: 22601
Ion Ratio Lower Upper
97 100
99 63.3 51.3 76.9
61 46.2 36.8 55.2

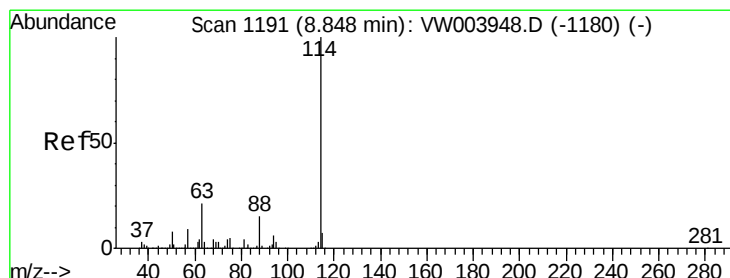
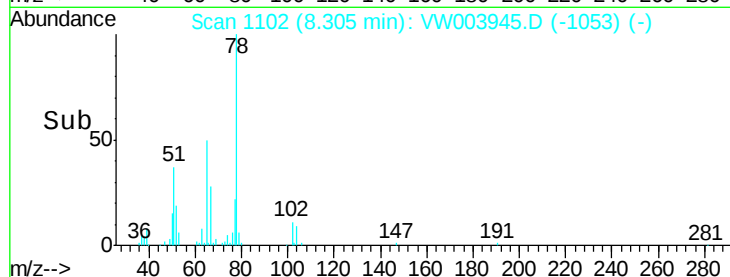
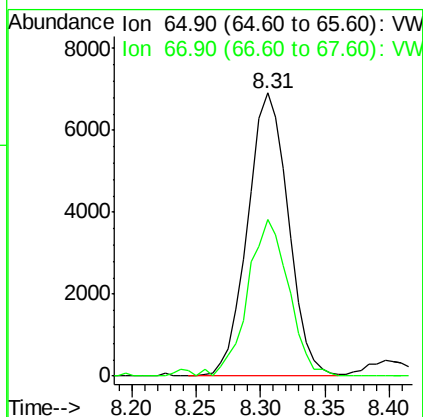
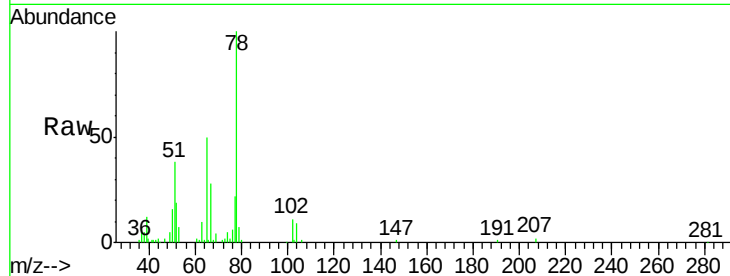




#33
 1,2-Dichloroethane-d4
 Concen: 4.06 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

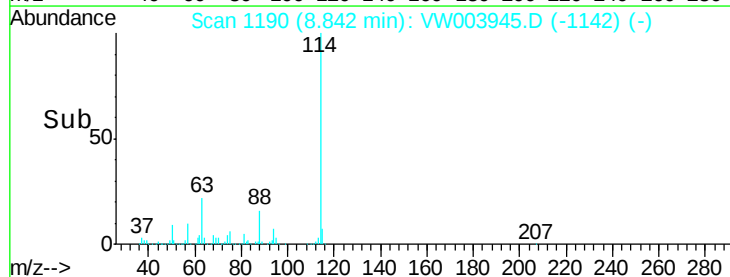
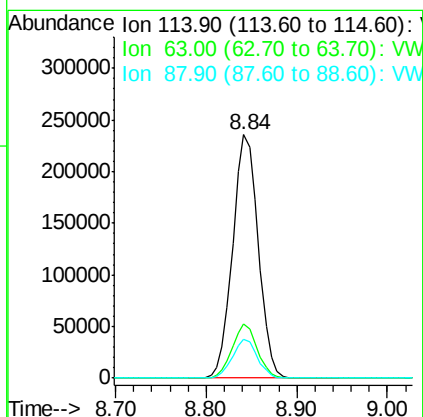
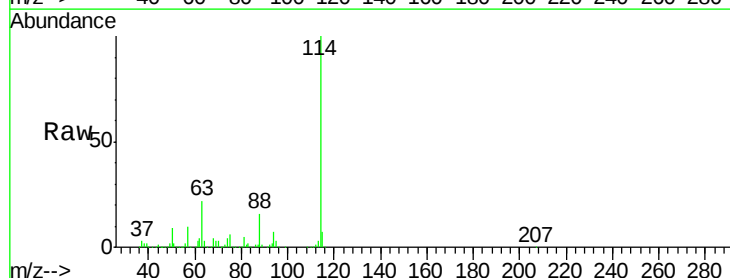
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

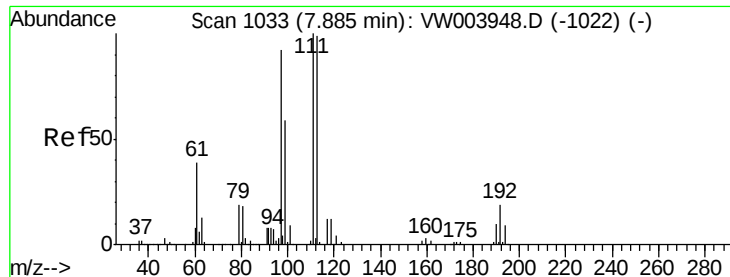
Tot Ion: 65 Resp: 15150
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 114 Resp: 460602
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 42.8
 88 15.8 0.0 30.4

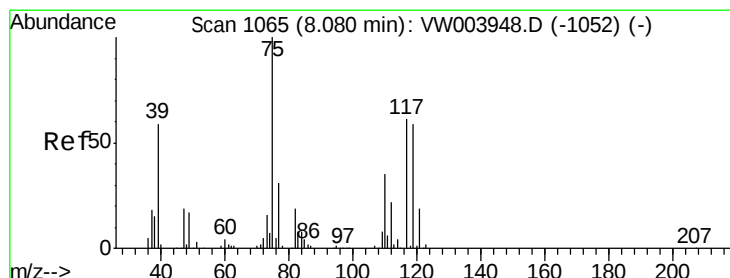
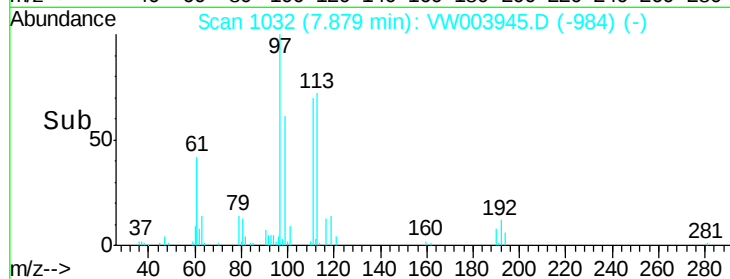
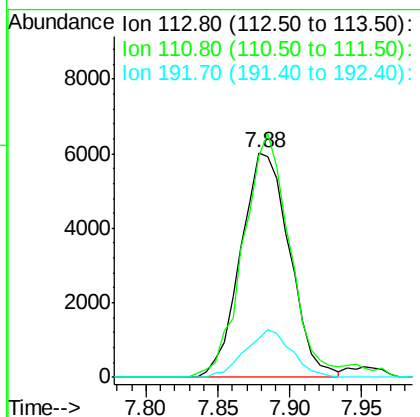
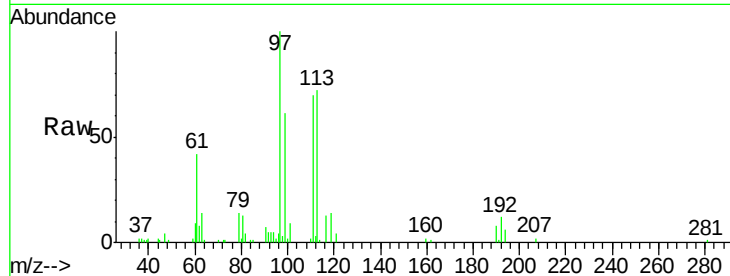




#35
 Dibromofluoromethane
 Concen: 4.41 ug/l
 RT: 7.88 min Scan# 1032
 Delta R.T. -0.01 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

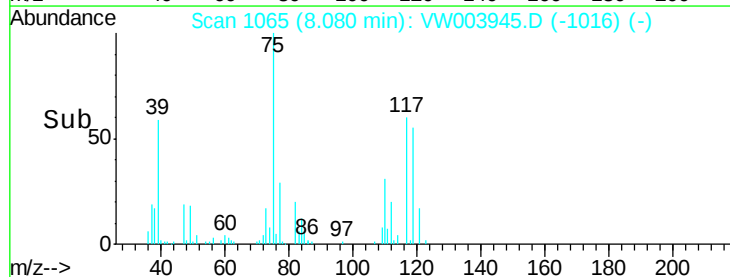
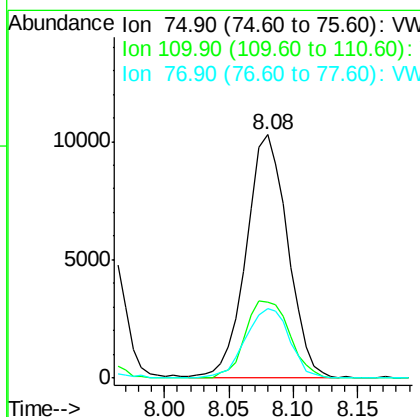
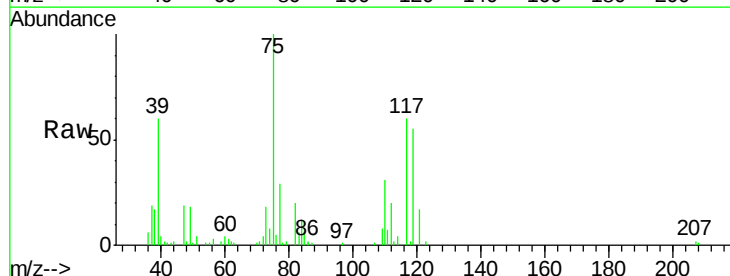
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

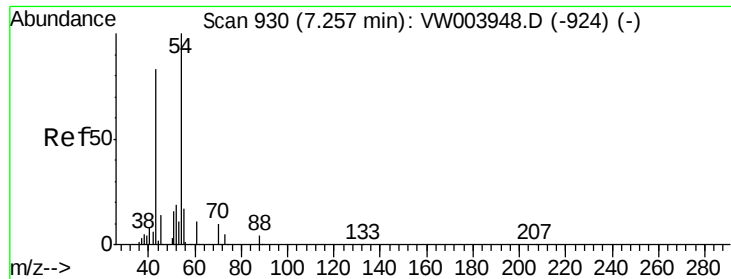
Tot Ion:113 Resp: 14150
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 20.2 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.73 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 75 Resp: 22966
 Ion Ratio Lower Upper
 75 100
 110 33.9 17.0 51.0
 77 30.6 24.9 37.3

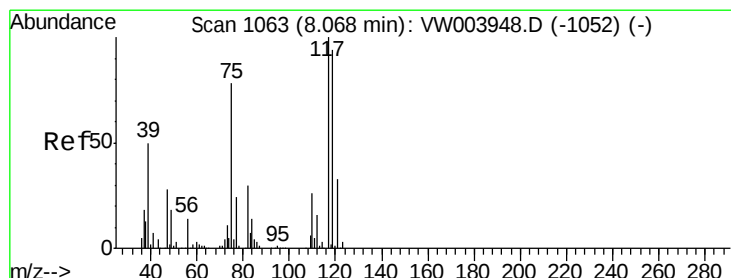
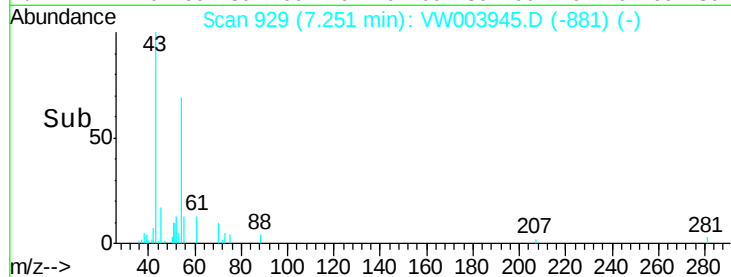
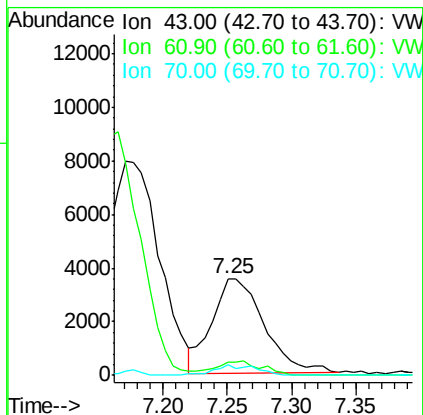
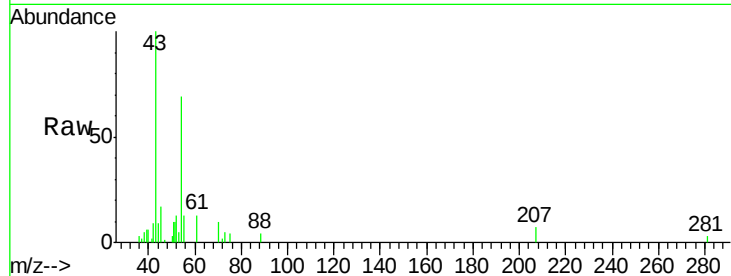




#37
Ethyl Acetate
Concen: 4.26 ug/l
RT: 7.25 min Scan# 929
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

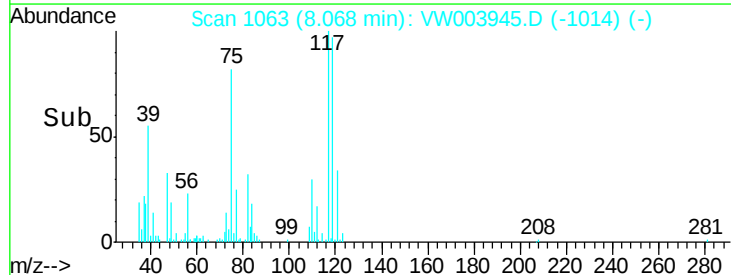
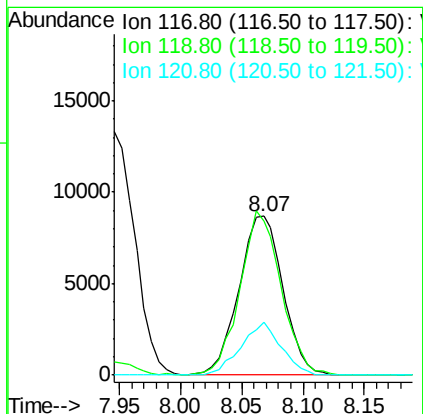
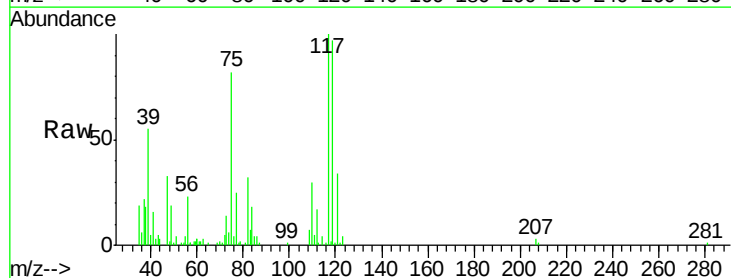
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

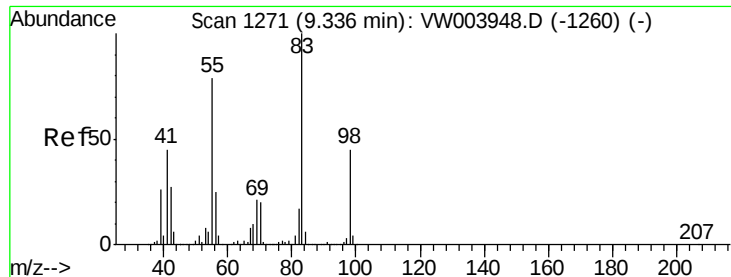
Tot Ion: 43 Resp: 10003
Ion Ratio Lower Upper
43 100
61 12.7 10.7 16.1
70 8.7 7.7 11.5



#38
Carbon Tetrachloride
Concen: 4.74 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 117 Resp: 21824
Ion Ratio Lower Upper
117 100
119 96.8 75.3 112.9
121 33.5 26.0 39.0

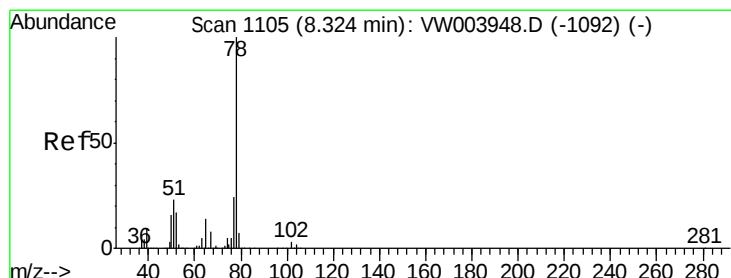
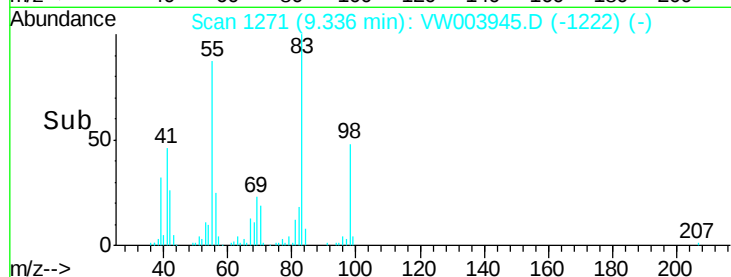
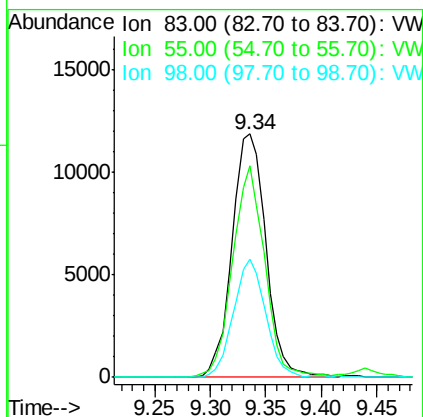
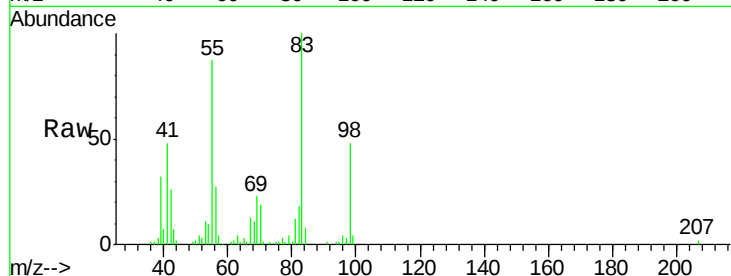




#39
Methvlcvclohexane
Concen: 4.67 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

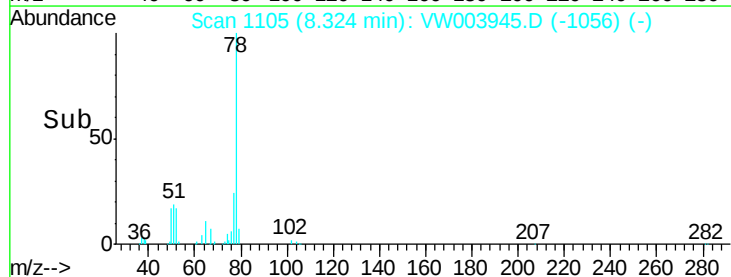
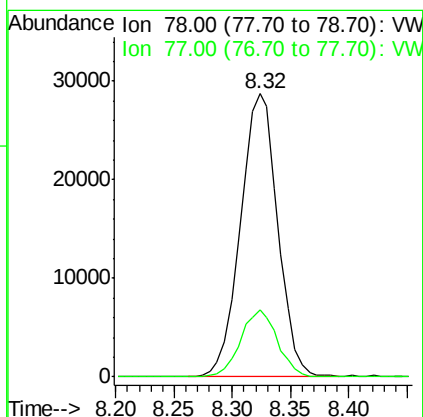
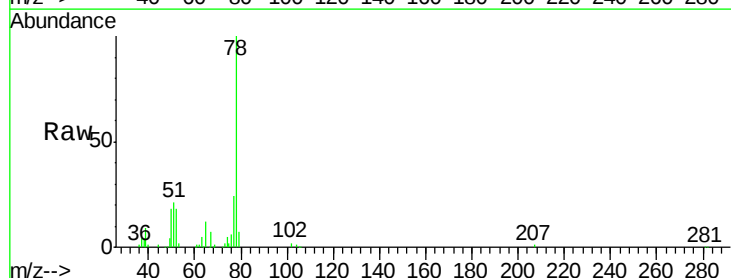
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

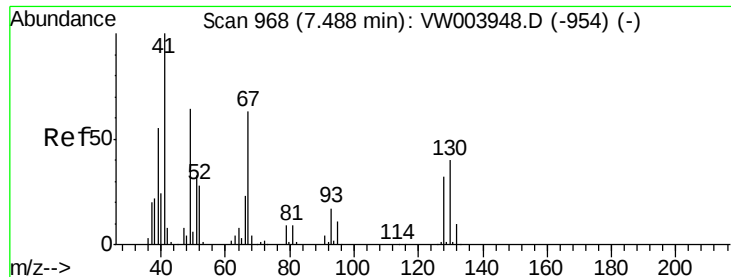
Tot Ion: 83 Resp: 25074
Ion Ratio Lower Upper
83 100
55 86.7 62.8 94.2
98 48.3 36.2 54.4



#40
Benzene
Concen: 4.64 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 78 Resp: 64017
Ion Ratio Lower Upper
78 100
77 23.8 19.5 29.3

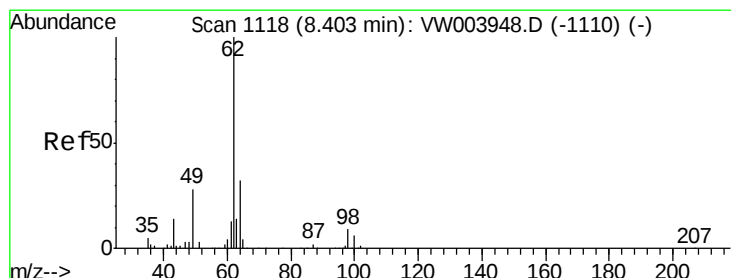
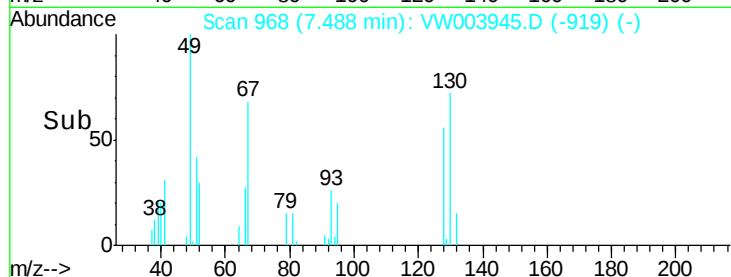
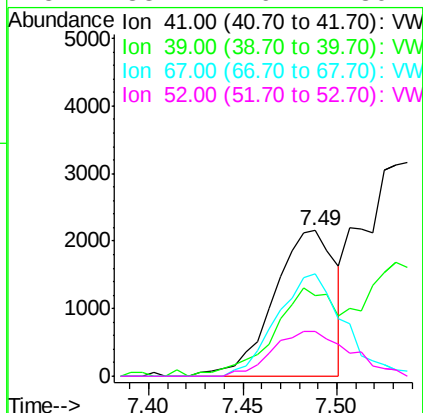
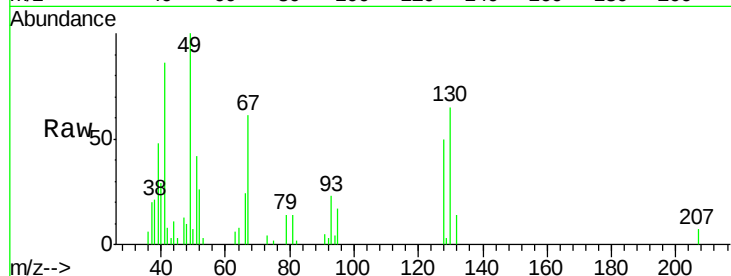




#41
Methacrylonitrile
Concen: 3.70 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

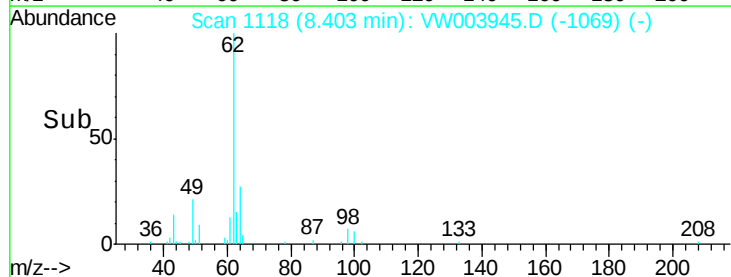
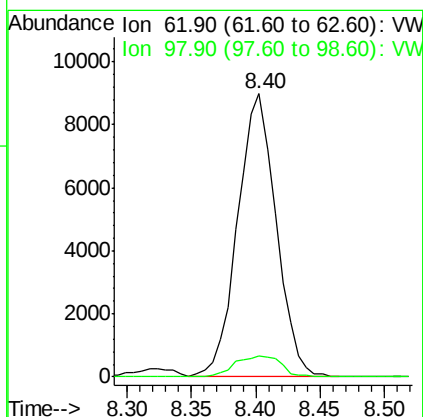
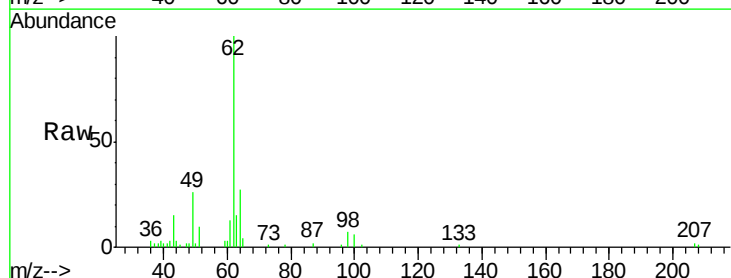
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

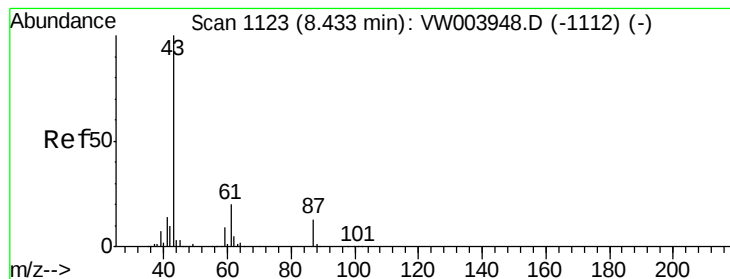
Tot Ion:	41	Resp:	4902
Ion	Ratio	Lower	Upper
41	100		
39	59.6	50.0	75.0
67	76.2	60.8	91.2
52	38.7	26.2	39.4



#42
1,2-Dichloroethane
Concen: 4.20 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:	62	Resp:	18613
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	17.4





#43

Isopropyl Acetate

Concen: 3.98 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

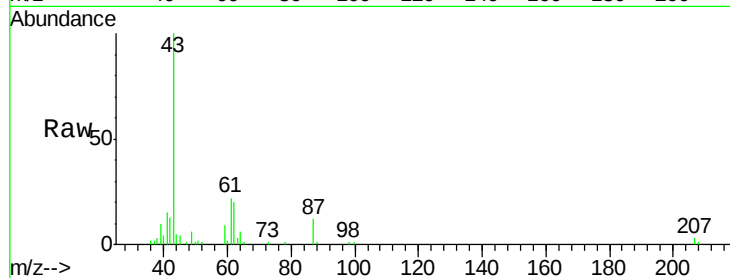
Tot Ion: 43 Resp: 17617

Ion Ratio Lower Upper

43 100

61 30.7 23.0 34.6

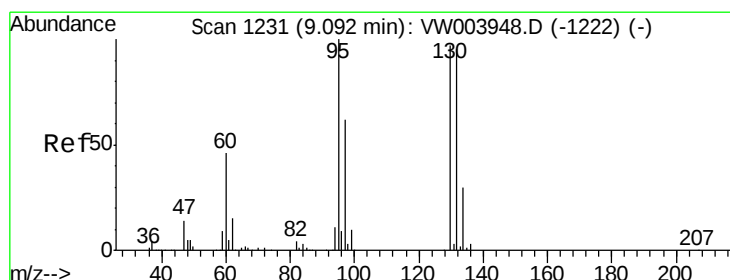
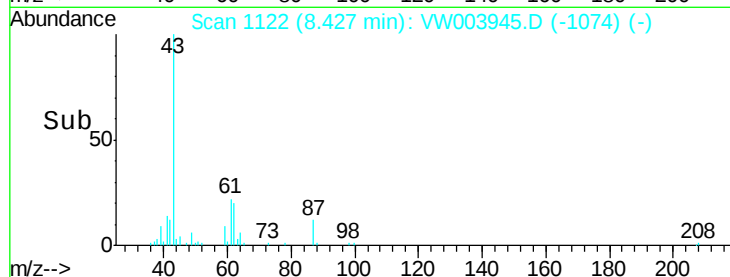
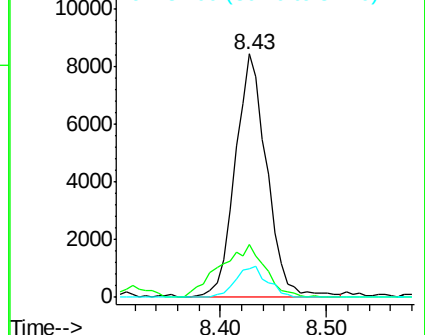
87 12.9 9.9 14.9



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 4.77 ug/l

RT: 9.09 min Scan# 1231

Delta R.T. -0.00 min

Lab File: VW003945.D

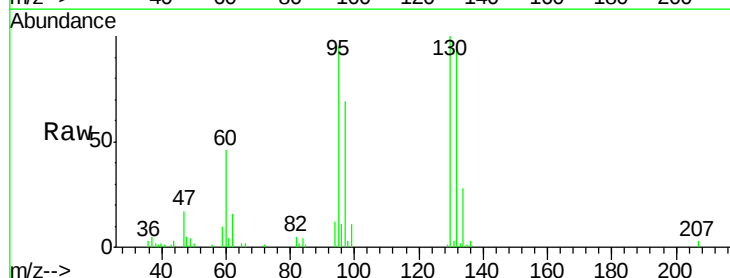
Acq: 16 Jul 2018 11:57

Tgt Ion:130 Resp: 16669

Ion Ratio Lower Upper

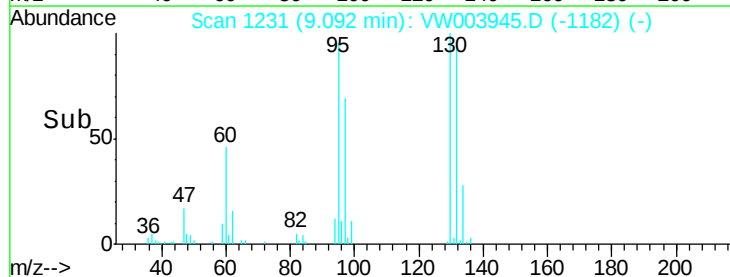
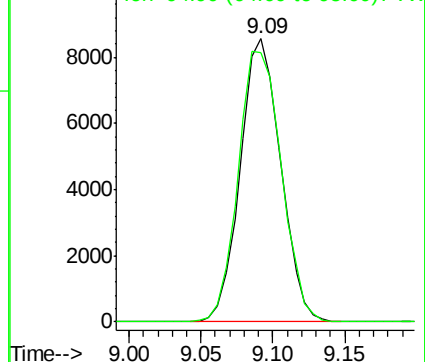
130 100

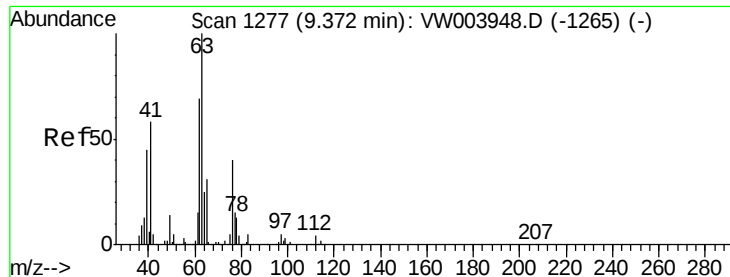
95 95.4 0.0 206.8



Abundance Ion 129.80 (129.50 to 130.50):

Ion 94.90 (94.60 to 95.60): VW

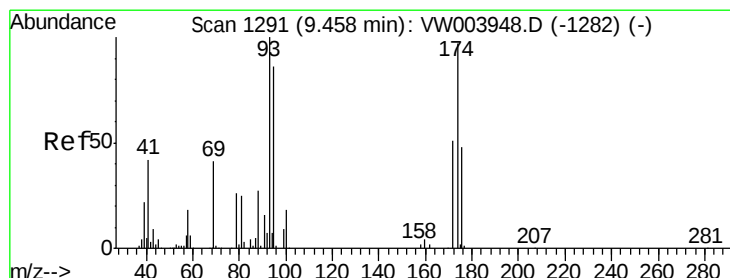
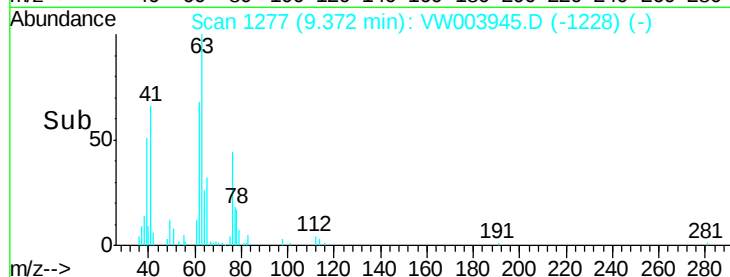
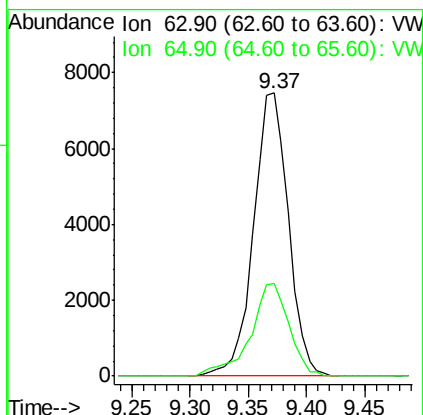
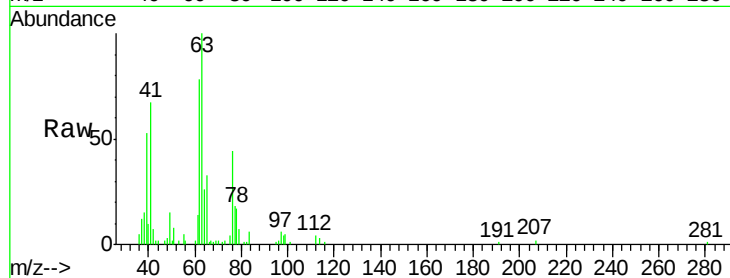




#45
 1,2-Dichloropropane
 Concen: 4.35 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

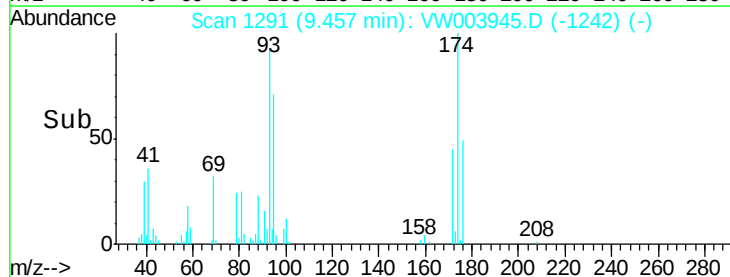
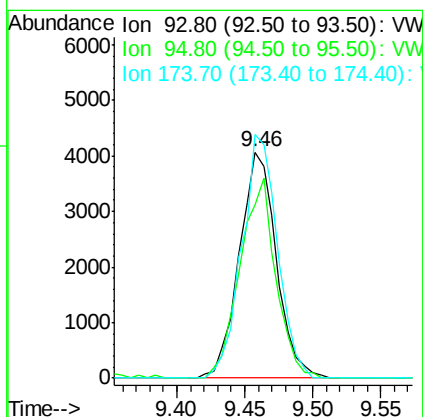
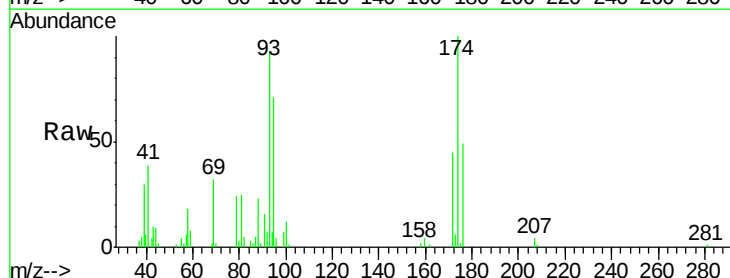
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

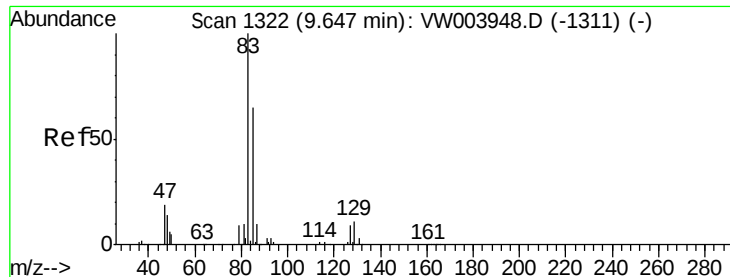
Tot Ion: 63 Resp: 15570
 Ion Ratio Lower Upper
 63 100
 65 32.7 24.8 37.2



#46
 Dibromomethane
 Concen: 4.13 ug/l
 RT: 9.46 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 93 Resp: 7753
 Ion Ratio Lower Upper
 93 100
 95 85.3 66.9 100.3
 174 103.9 80.2 120.2





#47

Bromodichloromethane

Concen: 4.29 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

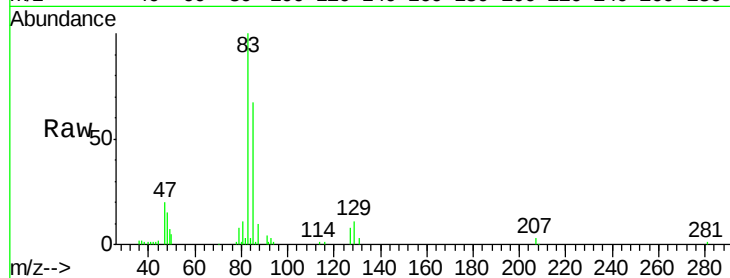
Tot Ion: 83 Resp: 19843

Ion Ratio Lower Upper

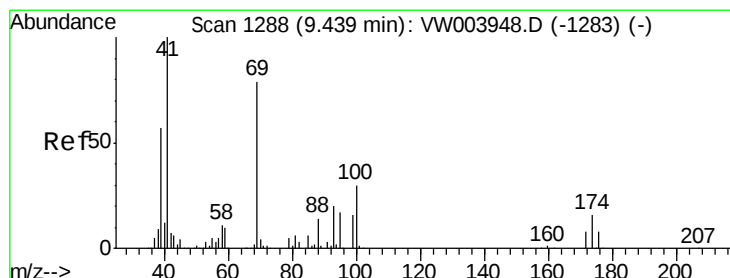
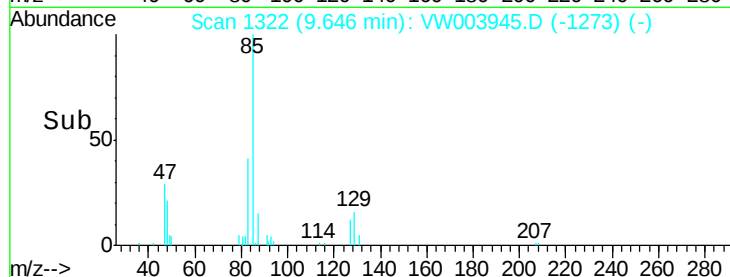
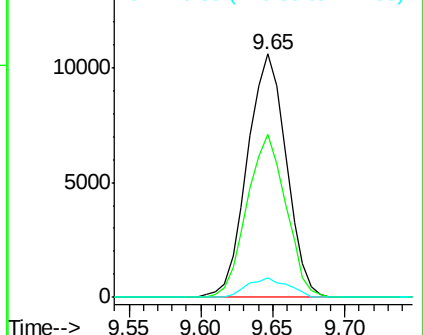
83 100

85 66.9 52.2 78.2

127 7.9 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW
Ion 126.80 (126.50 to 127.50):



#48

Methyl methacrylate

Concen: 3.92 ug/l

RT: 9.44 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

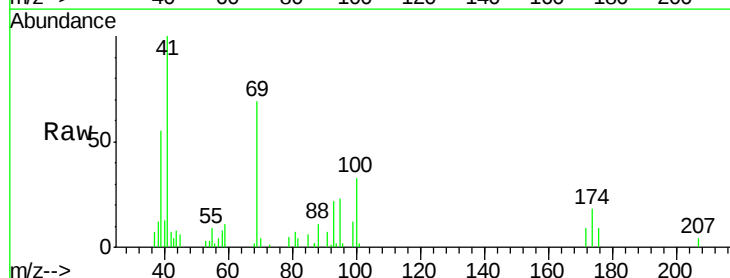
Tgt Ion: 41 Resp: 8253

Ion Ratio Lower Upper

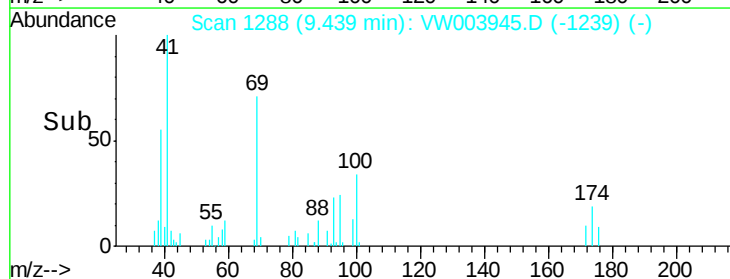
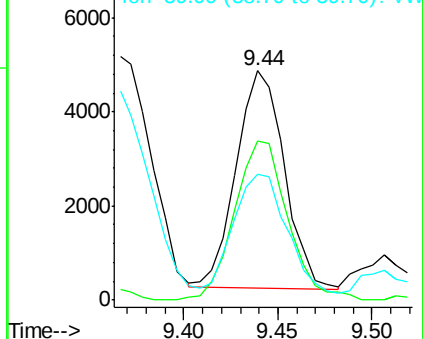
41 100

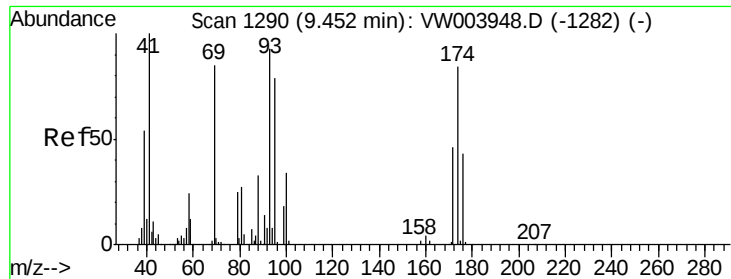
69 80.3 67.0 100.6

39 67.3 48.8 73.2



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

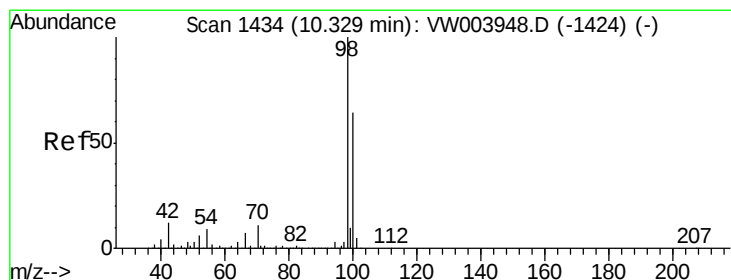
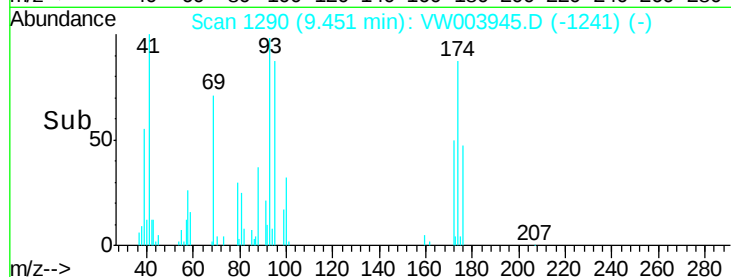
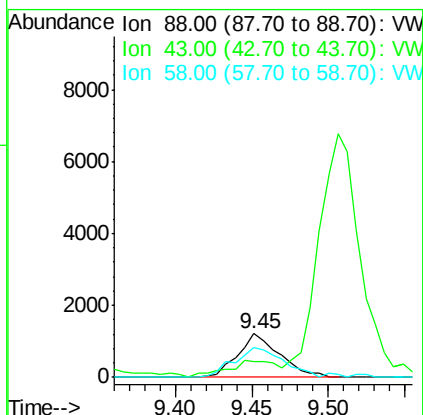
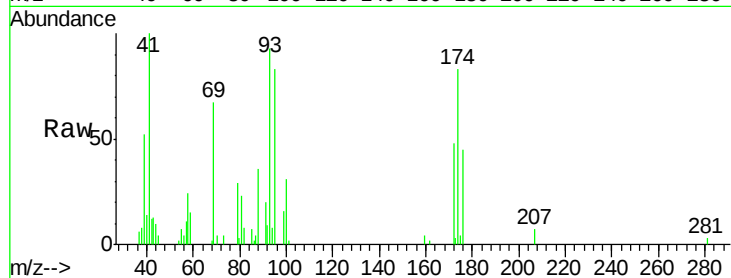




#49
1,4-Dioxane
Concen: 82.27 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

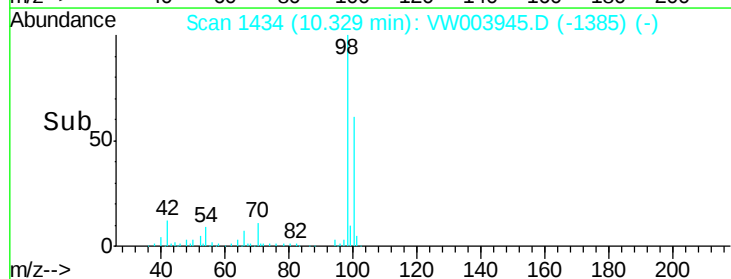
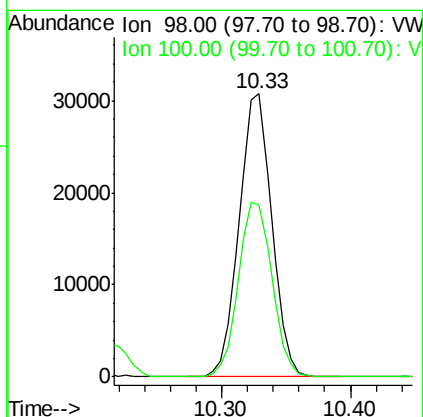
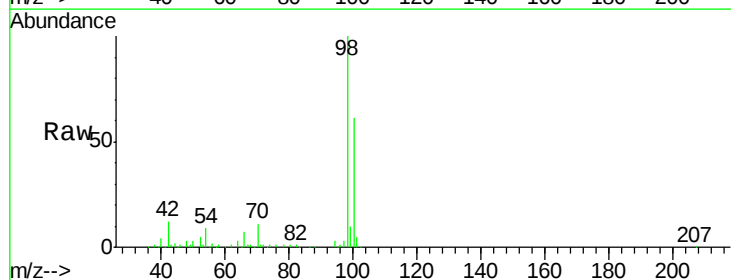
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

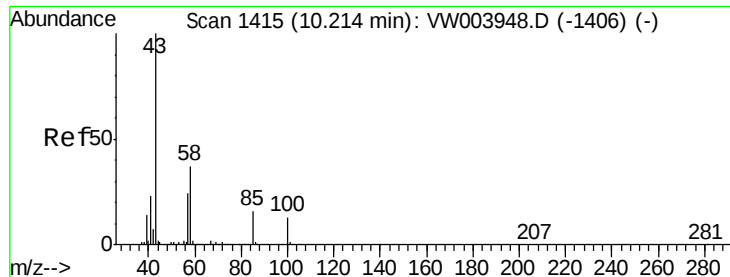
Tot Ion: 88 Resp: 2317
Ion Ratio Lower Upper
88 100
43 45.7 27.3 40.9#
58 79.5 61.1 91.7



#50
Toluene-d8
Concen: 4.39 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 98 Resp: 53900
Ion Ratio Lower Upper
98 100
100 63.6 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 20.54 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

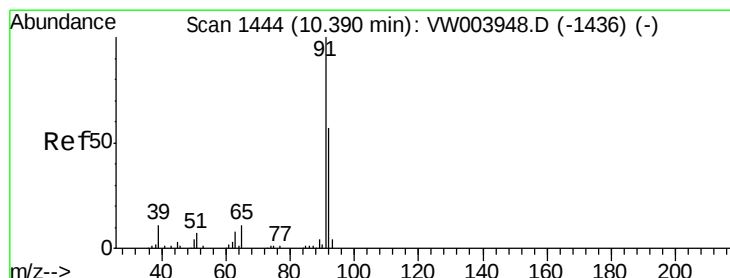
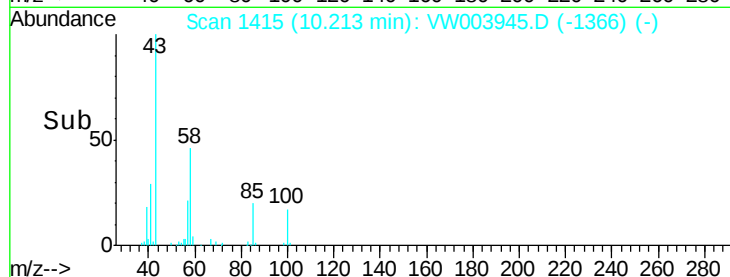
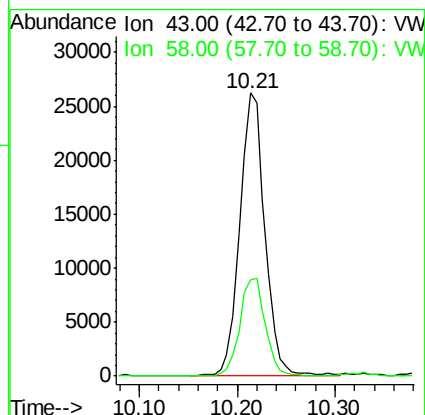
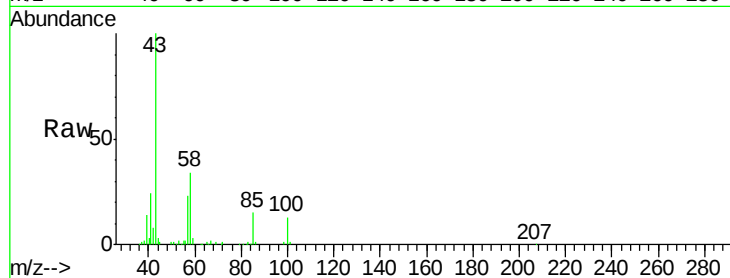
VSTDIC005

Tot Ion: 43 Resp: 46954

Ion Ratio Lower Upper

43 100

58 35.0 29.9 44.9



#52

Toluene

Concen: 4.51 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW003945.D

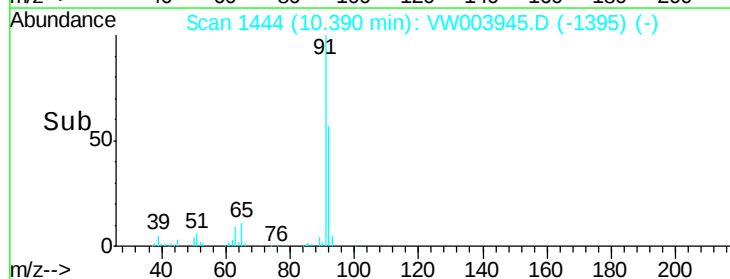
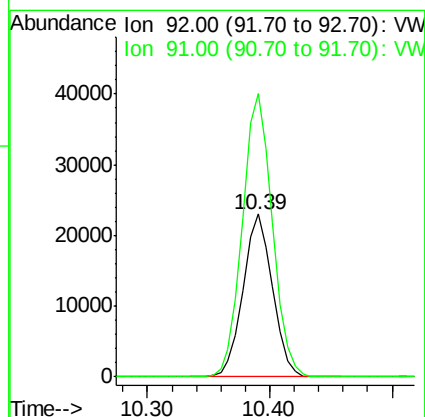
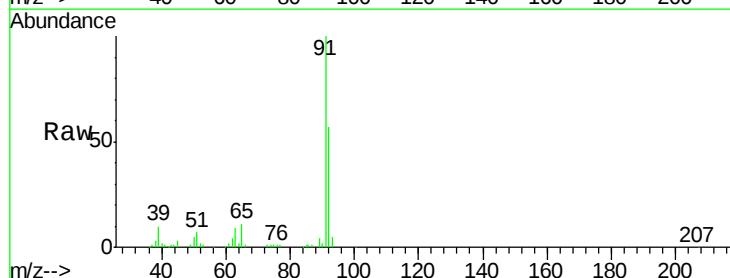
Acq: 16 Jul 2018 11:57

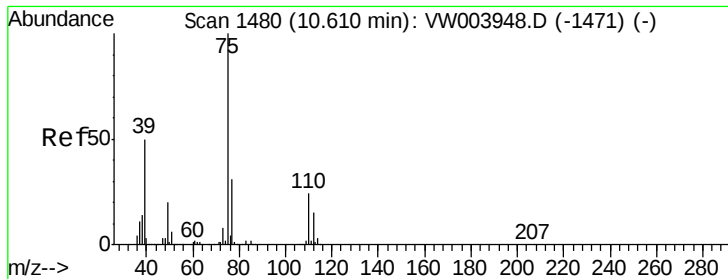
Tgt Ion: 92 Resp: 38514

Ion Ratio Lower Upper

92 100

91 175.9 139.6 209.4





#53

t-1,3-Dichloropropene

Concen: 4.26 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

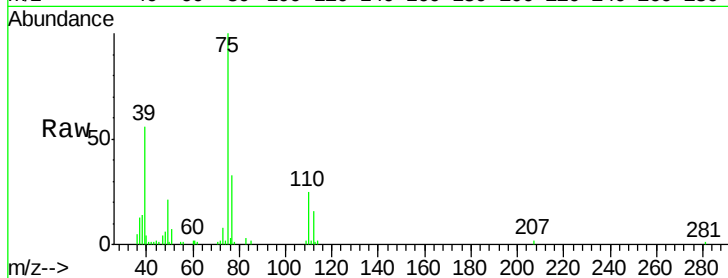
VSTDIC005

Tot Ion: 75 Resp: 19717

Ion Ratio Lower Upper

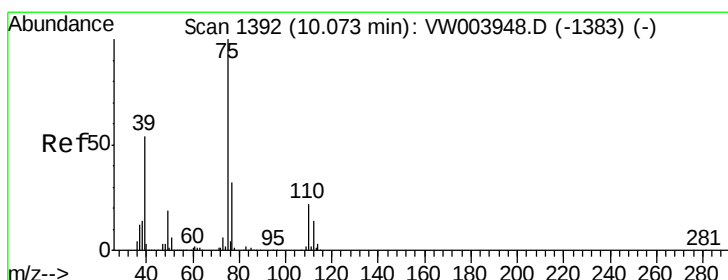
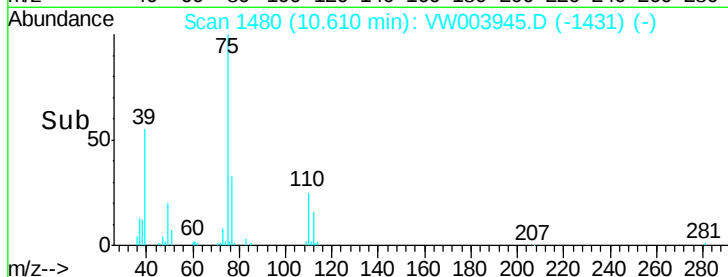
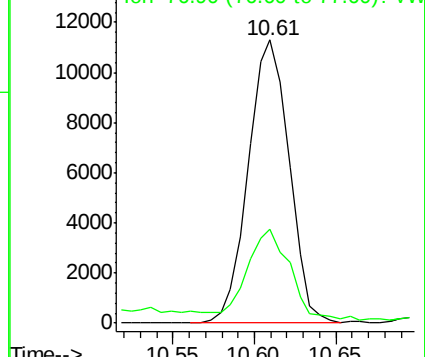
75 100

77 31.8 25.2 37.8



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW



#54

cis-1,3-Dichloropropene

Concen: 4.45 ug/l

RT: 10.07 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

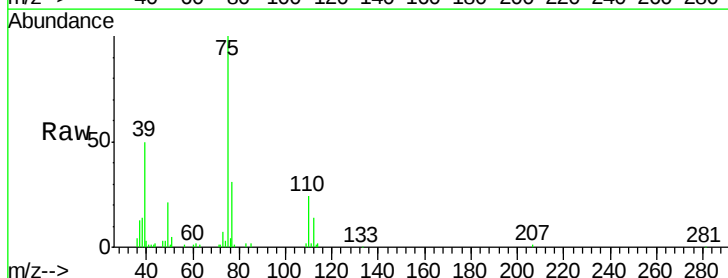
Tgt Ion: 75 Resp: 23304

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2

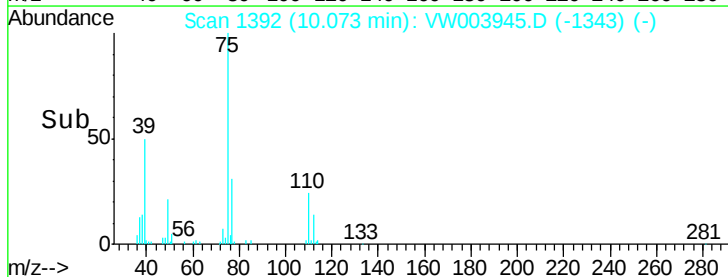
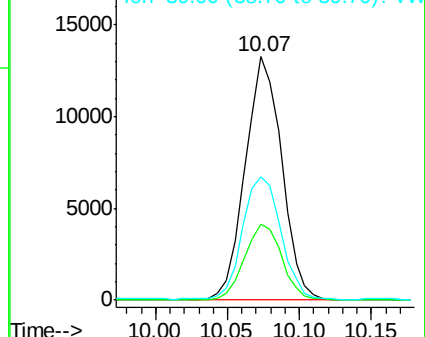
39 50.4 43.0 64.6

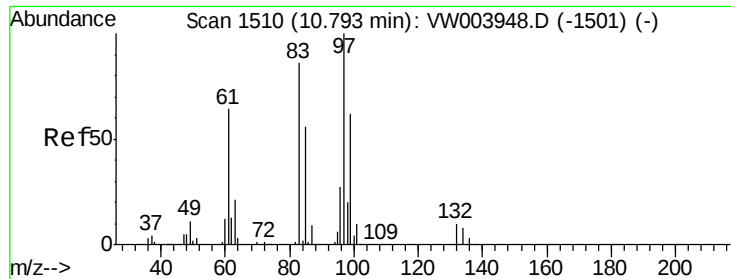


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 76.90 (76.60 to 77.60): VW

Ion 39.00 (38.70 to 39.70): VW

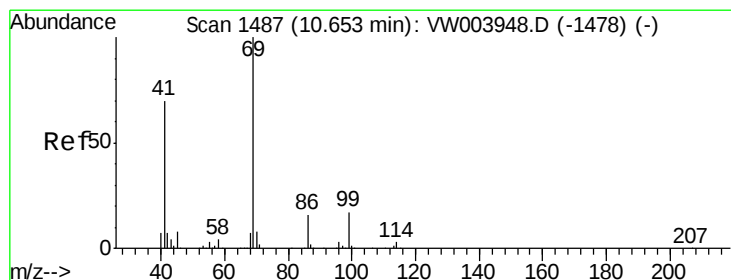
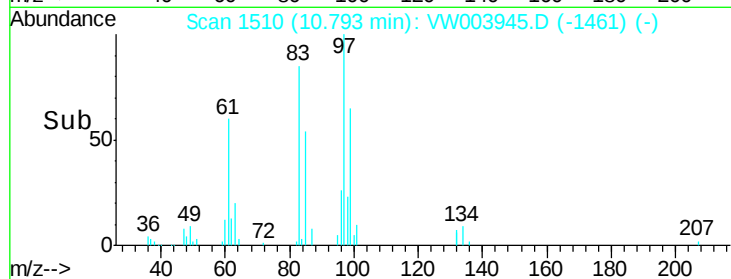
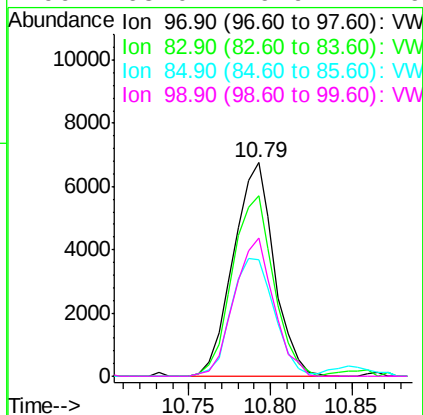
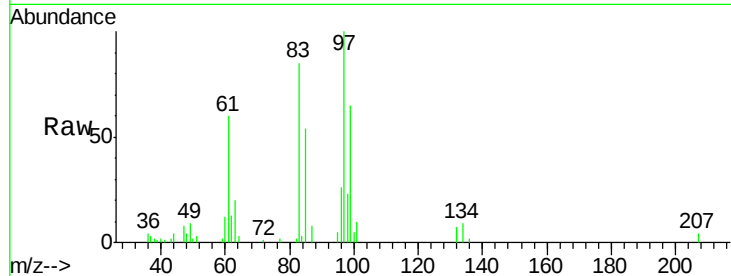




#55
 1,1,2-Trichloroethane
 Concen: 4.50 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

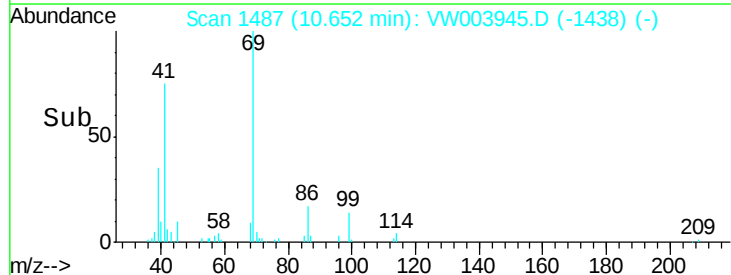
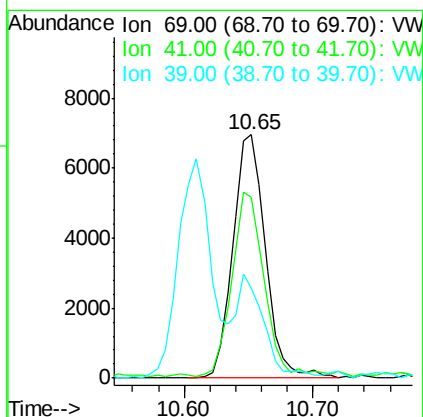
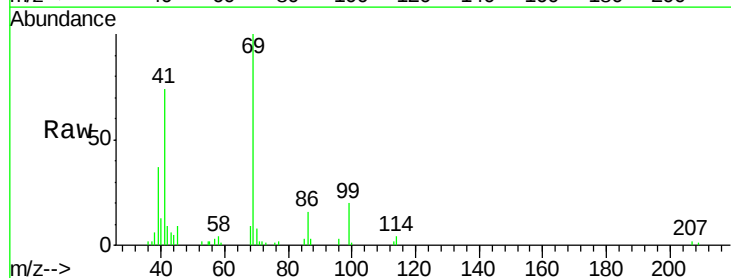
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

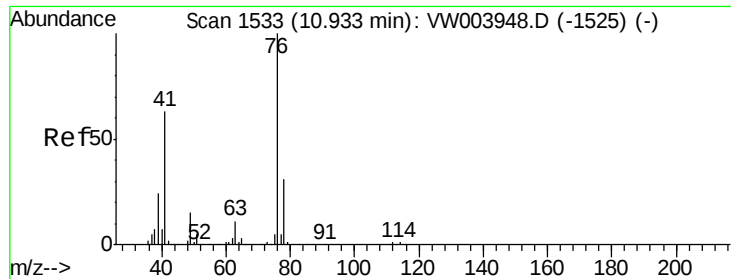
Tot Ion:	97	Resp:	11726
Ion	Ratio	Lower	Upper
97	100		
83	84.5	69.0	103.4
85	54.4	45.0	67.6
99	65.0	49.9	74.9



#56
 Ethyl methacrylate
 Concen: 3.83 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion:	69	Resp:	12195
Ion	Ratio	Lower	Upper
69	100		
41	74.1	56.5	84.7
39	36.3	30.2	45.4

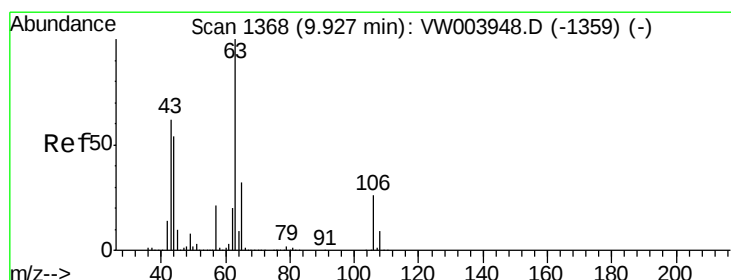
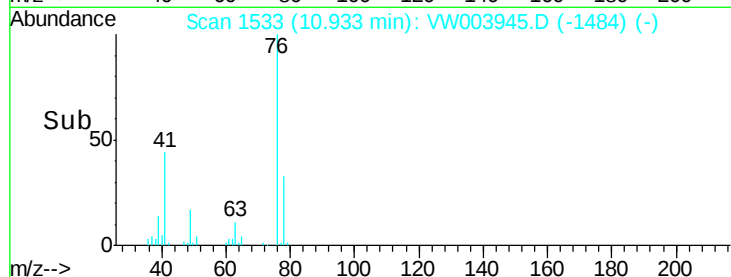
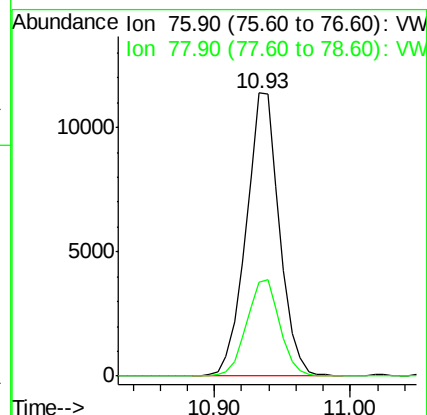
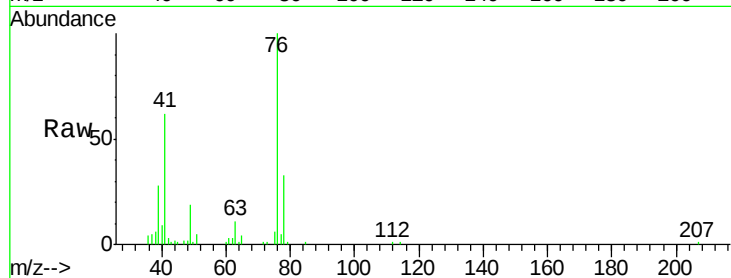




#57
 1,3-Dichloropropane
 Concen: 4.28 ug/l
 RT: 10.93 min Scan# 1533
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

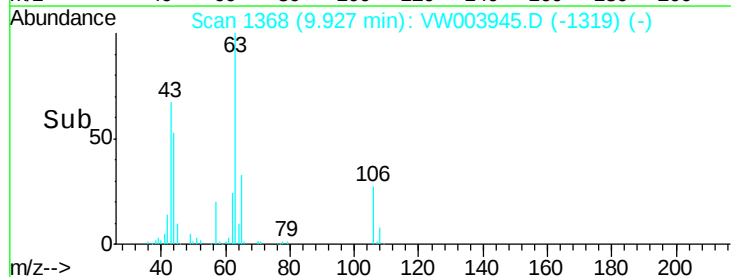
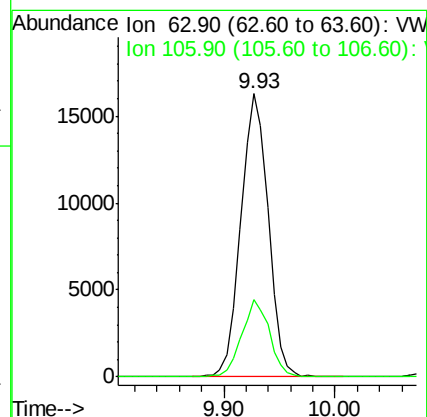
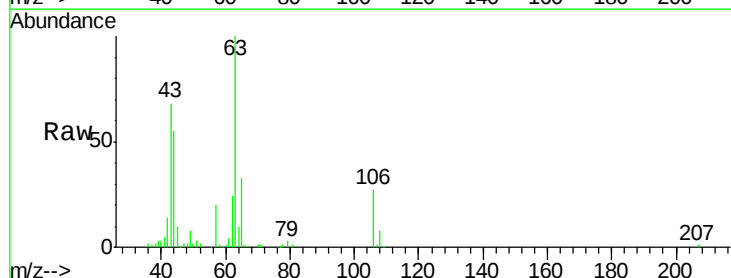
Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC005

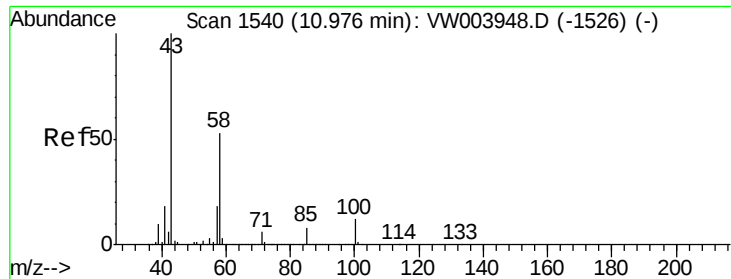
Tot Ion: 76 Resp: 19431
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.2 37.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 18.84 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 63 Resp: 27743
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.2 31.8

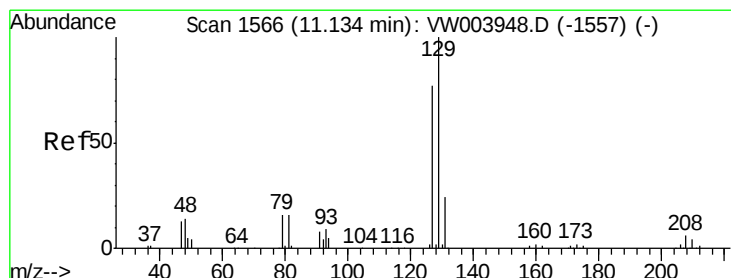
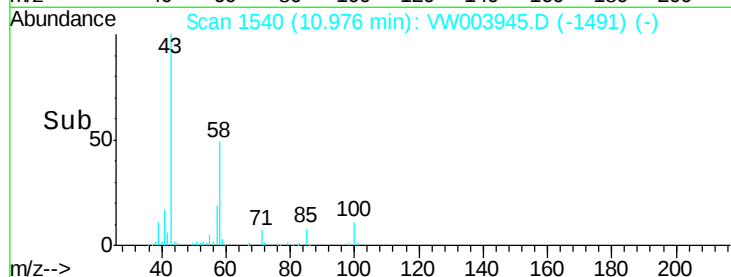
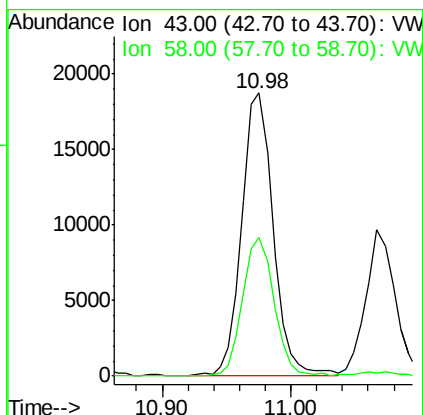
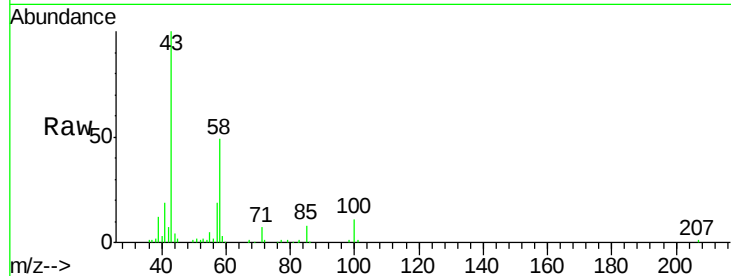




#59
2-Hexanone
Concen: 20.24 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

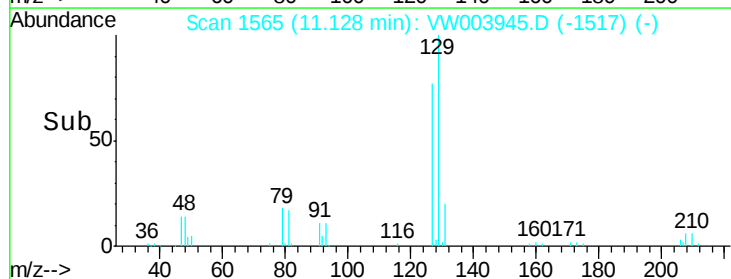
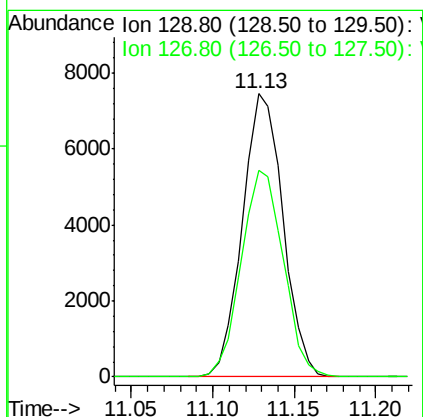
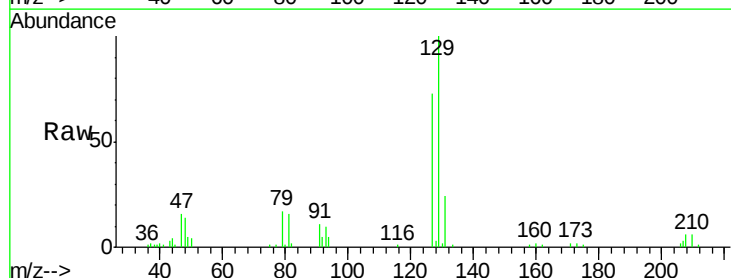
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

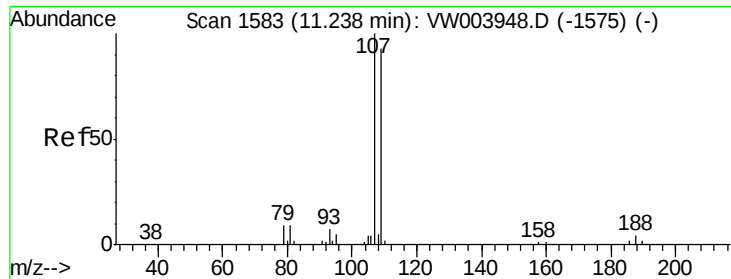
Tot Ion: 43 Resp: 31784
Ion Ratio Lower Upper
43 100
58 49.0 26.0 78.0



#60
Dibromochloromethane
Concen: 4.25 ug/l
RT: 11.13 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 129 Resp: 12910
Ion Ratio Lower Upper
129 100
127 75.6 39.1 117.3

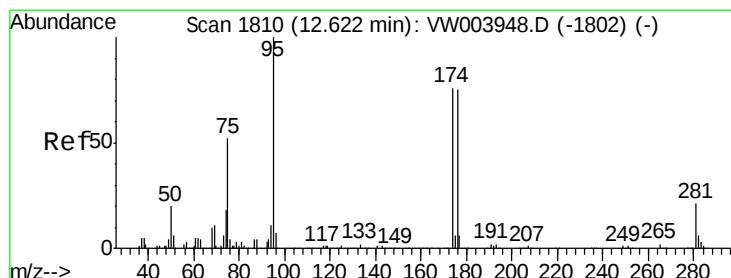
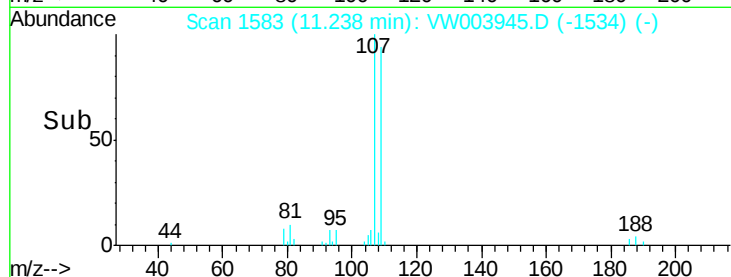
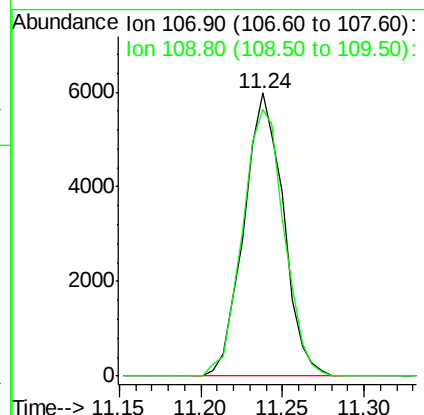
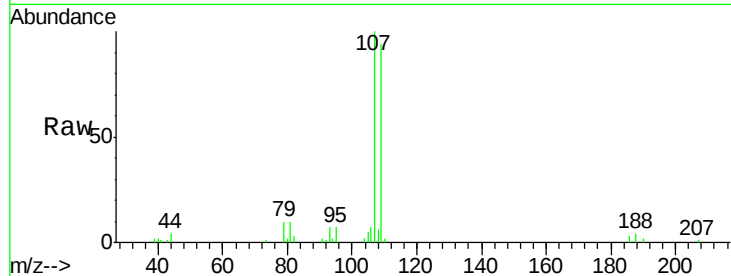




#61
 1,2-Dibromoethane
 Concen: 4.06 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

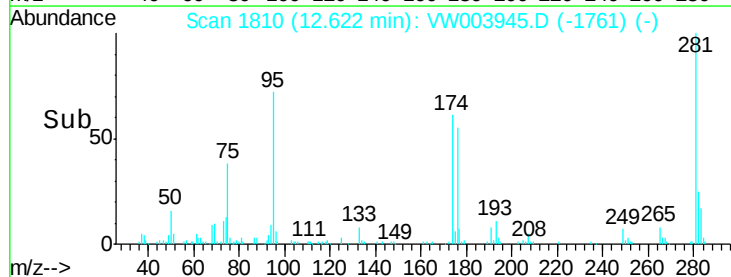
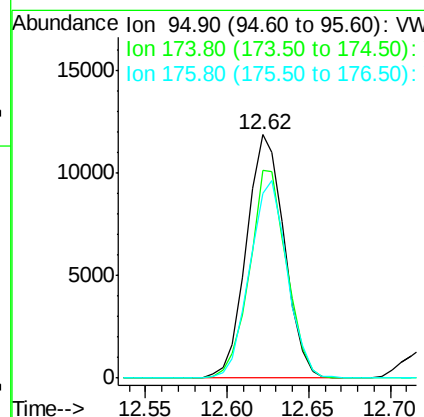
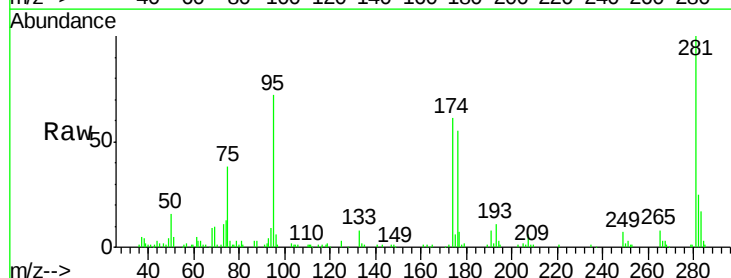
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

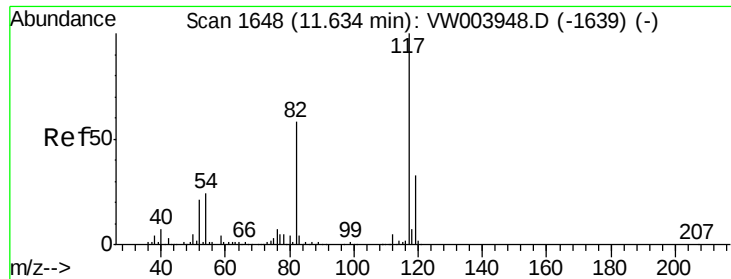
Tot Ion: 107 Resp: 10091
 Ion Ratio Lower Upper
 107 100
 109 99.3 74.3 111.5



#62
 4-Bromofluorobenzene
 Concen: 4.30 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 95 Resp: 19091
 Ion Ratio Lower Upper
 95 100
 174 84.1 0.0 160.2
 176 81.1 0.0 155.8

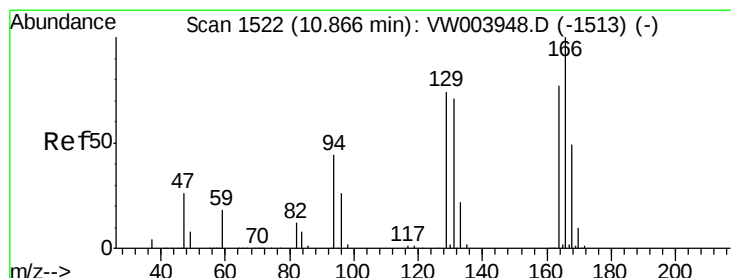
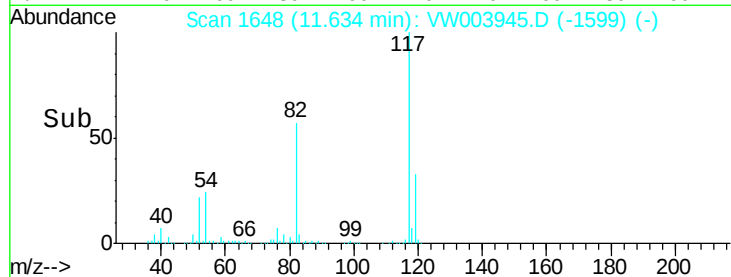
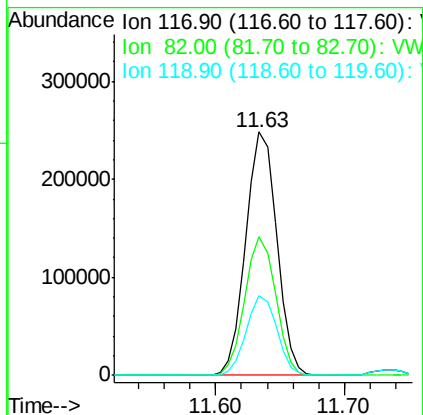
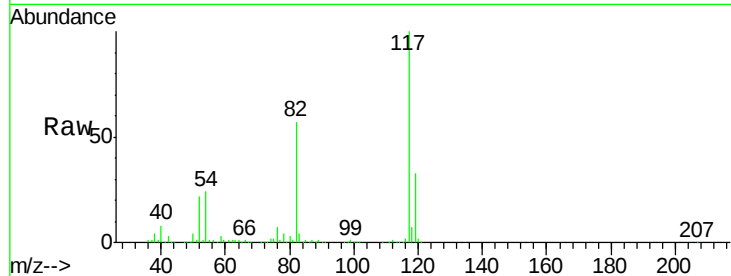




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

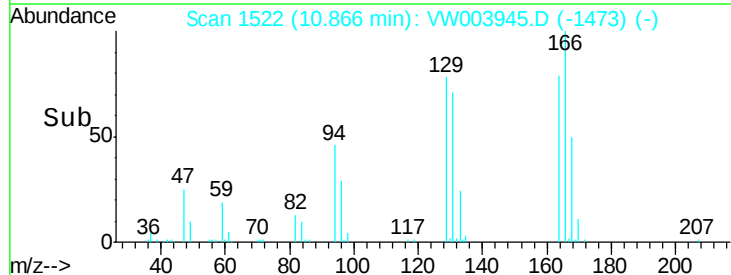
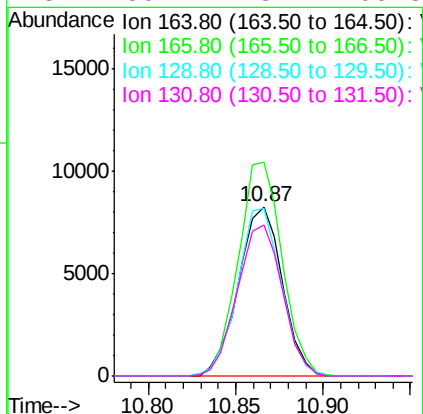
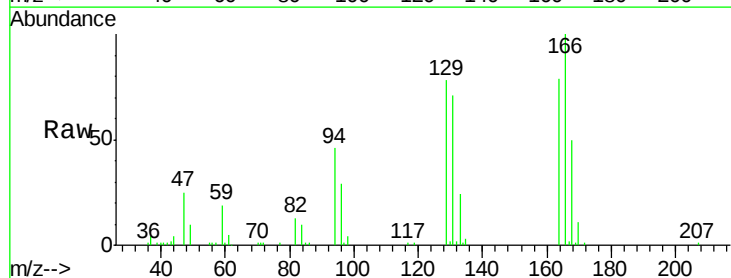
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

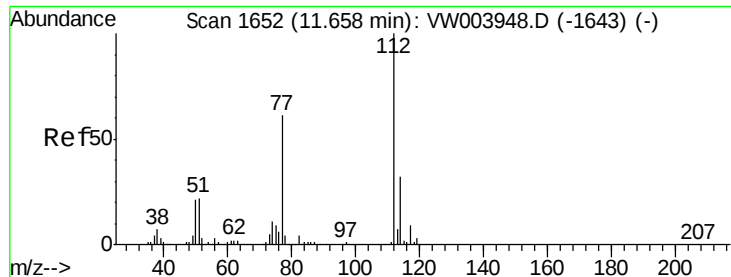
Tot Ion:117 Resp: 413517
Ion Ratio Lower Upper
117 100
82 56.8 46.5 69.7
119 32.7 26.2 39.2



#64
Tetrachloroethene
Concen: 4.79 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:164 Resp: 14388
Ion Ratio Lower Upper
164 100
166 126.3 103.5 155.3
129 99.0 76.8 115.2
131 89.7 73.2 109.8

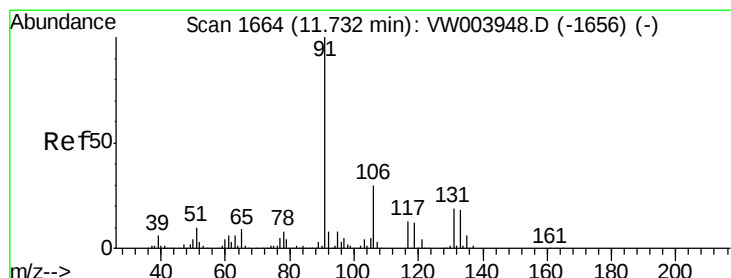
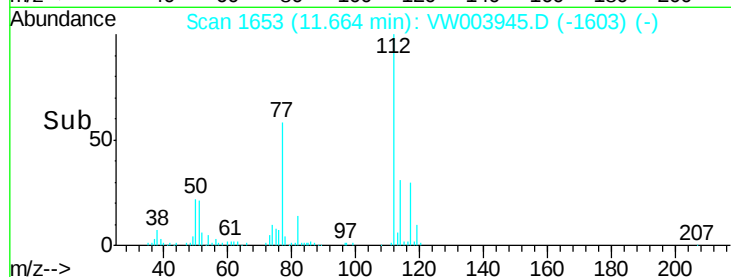
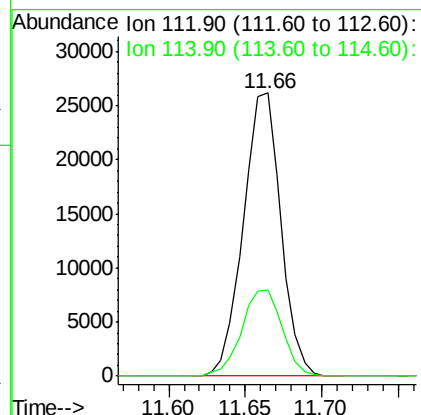
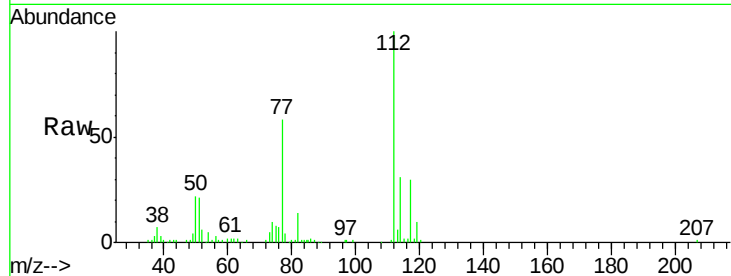




#65
Chlorobenzene
Concen: 4.94 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

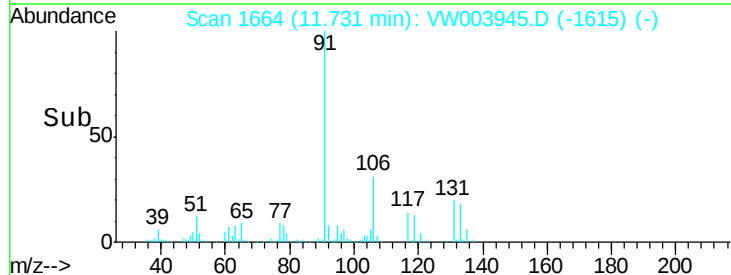
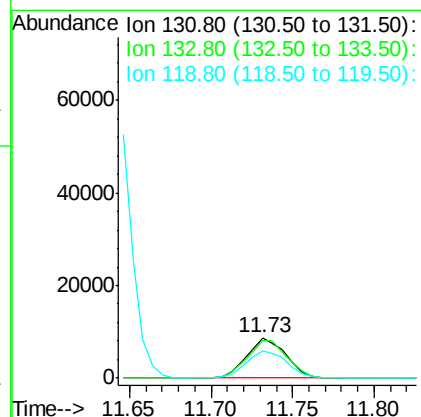
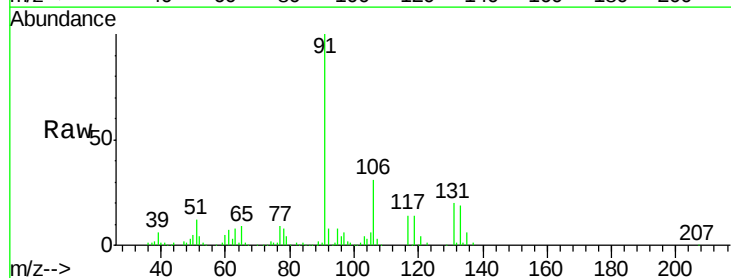
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

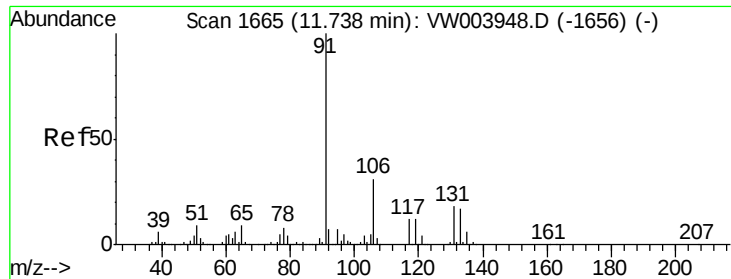
Tot Ion:112 Resp: 44599
Ion Ratio Lower Upper
112 100
114 30.6 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.56 ug/l
RT: 11.73 min Scan# 1664
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:131 Resp: 14428
Ion Ratio Lower Upper
131 100
133 97.1 47.9 143.8
119 69.6 32.5 97.5

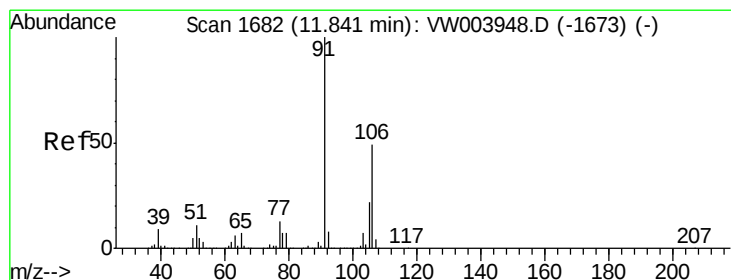
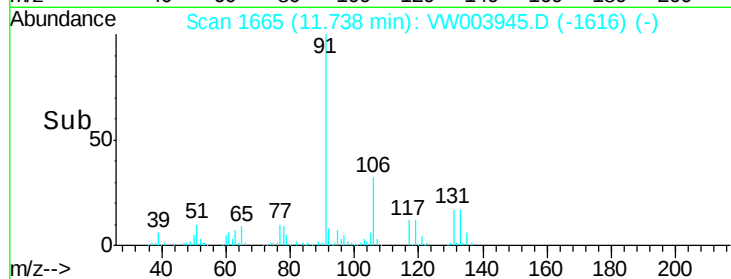
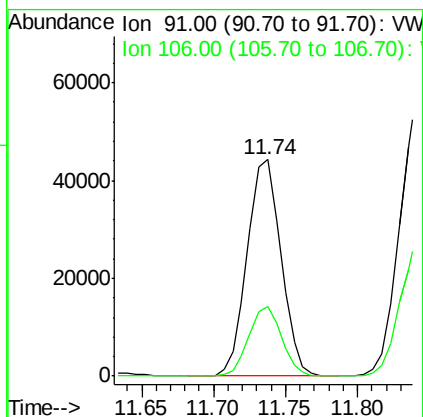
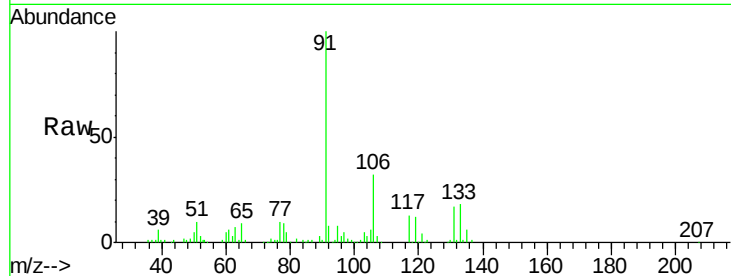




#67
Ethyl Benzene
Concen: 4.67 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

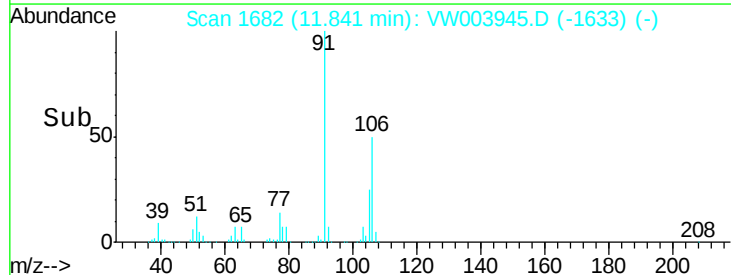
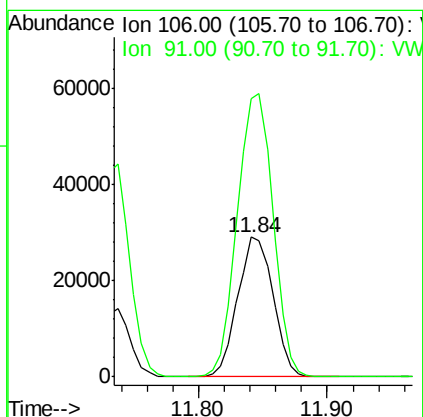
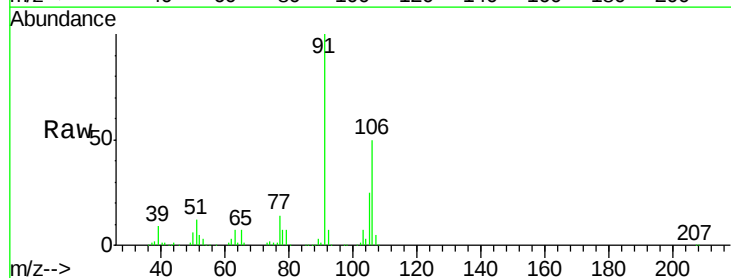
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

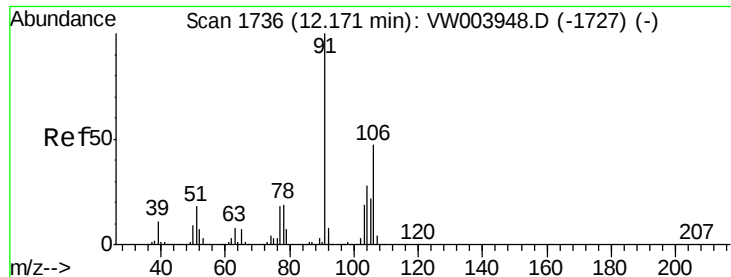
Tot Ion: 91 Resp: 72270
Ion Ratio Lower Upper
91 100
106 32.2 25.0 37.4



#68
m/p-Xylenes
Concen: 9.39 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 106 Resp: 55588
Ion Ratio Lower Upper
106 100
91 204.1 164.2 246.2

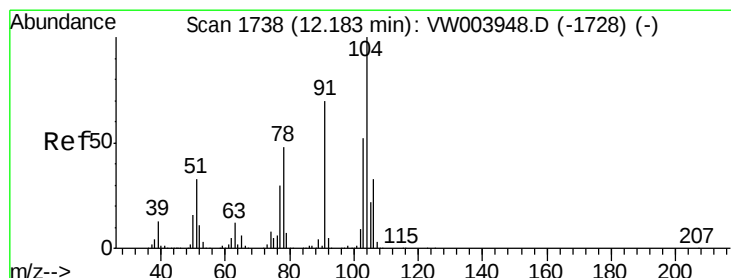
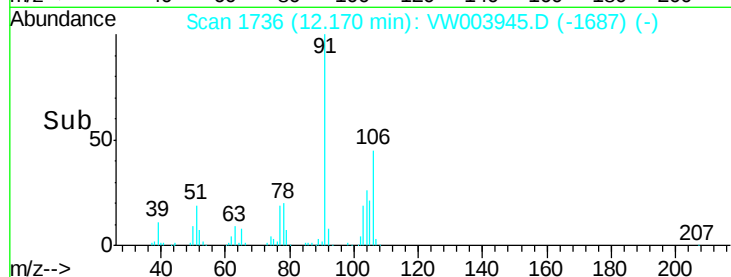
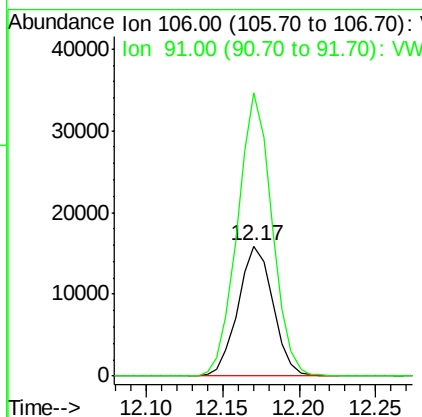
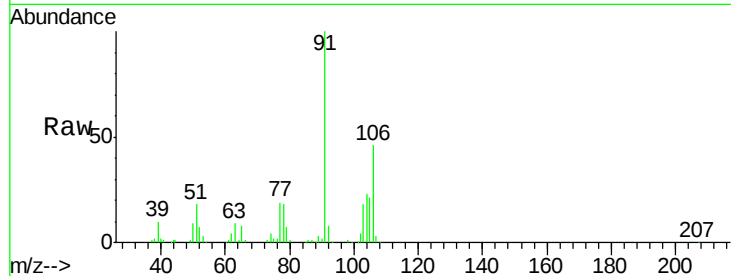




#69
o-Xylene
Concen: 4.63 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

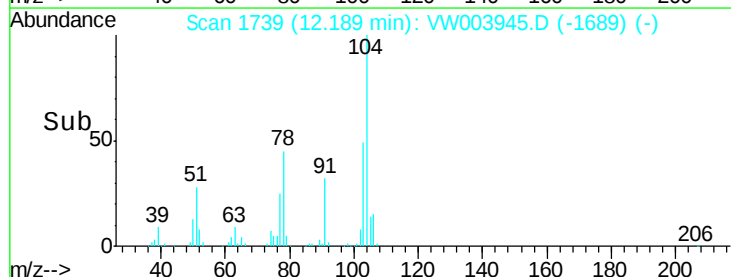
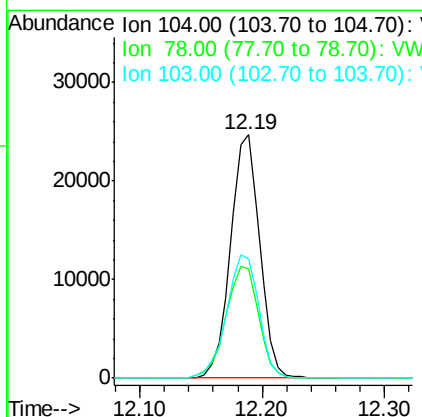
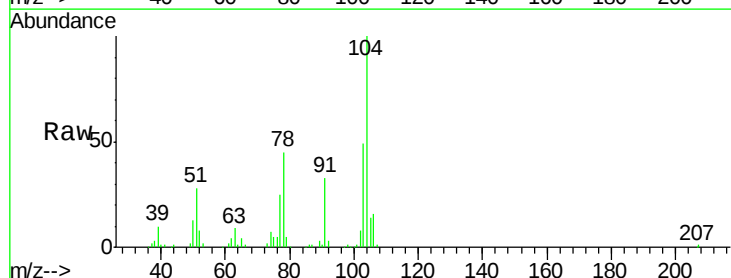
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

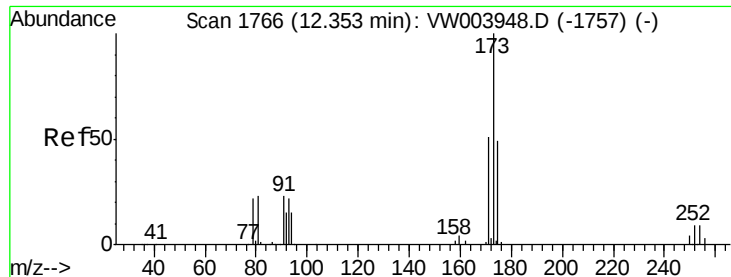
Tot Ion:106 Resp: 25297
Ion Ratio Lower Upper
106 100
91 214.8 107.5 322.6



#70
Styrene
Concen: 4.39 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:104 Resp: 40633
Ion Ratio Lower Upper
104 100
78 51.5 41.0 61.4
103 56.0 44.6 67.0

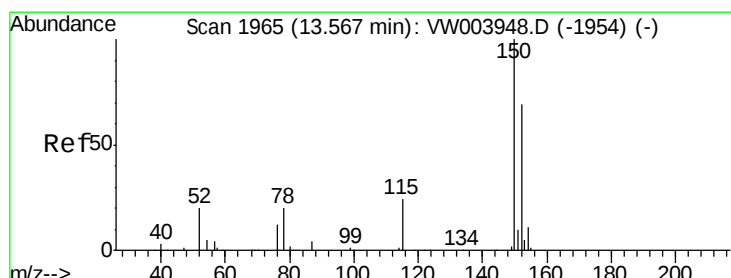
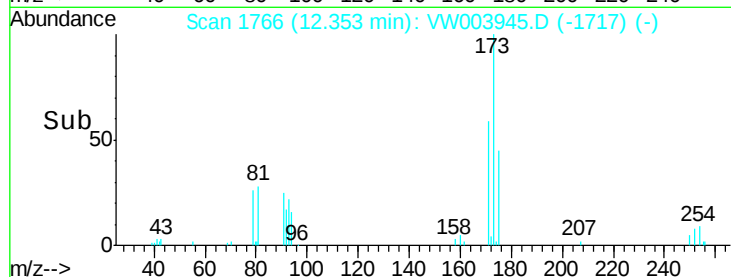
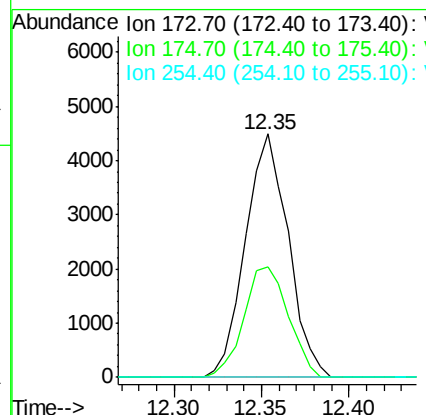
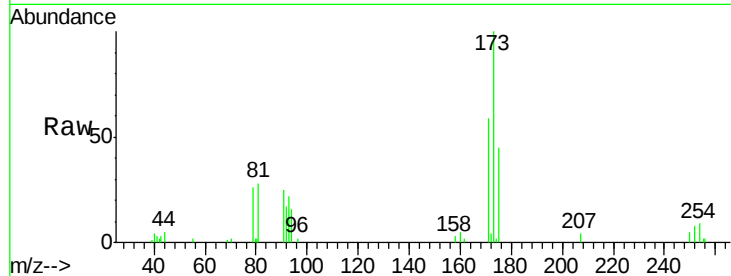




#71
Bromoform
Concen: 4.39 ug/l
RT: 12.35 min Scan# 1766
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

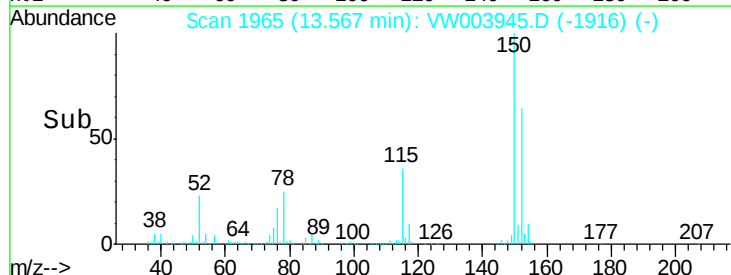
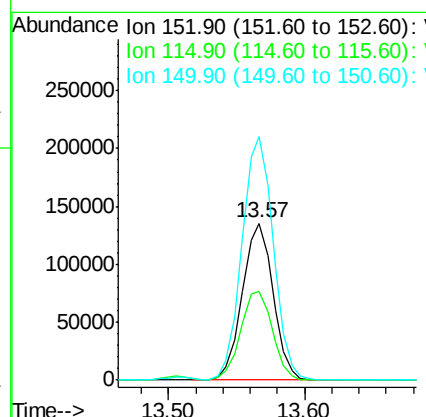
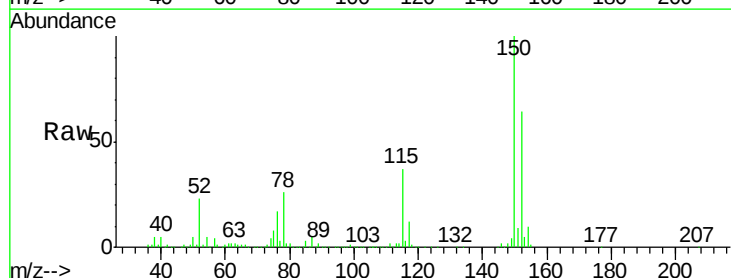
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

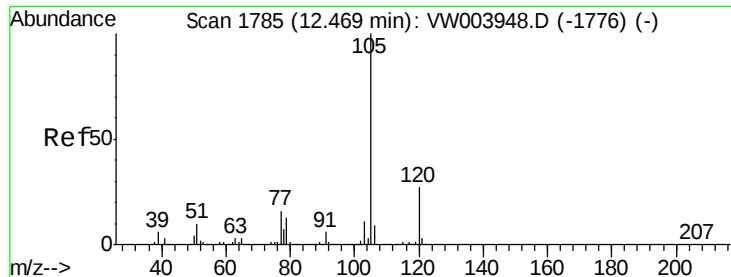
Tot Ion:173 Resp: 7652
Ion Ratio Lower Upper
173 100
175 47.3 24.4 73.2
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:152 Resp: 213899
Ion Ratio Lower Upper
152 100
115 58.6 29.2 87.6
150 158.5 0.0 345.2





#73

Isopropylbenzene

Concen: 4.91 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

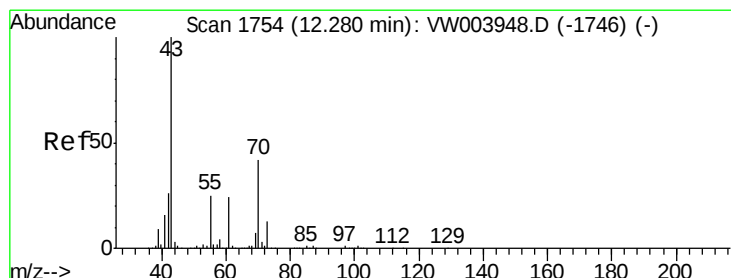
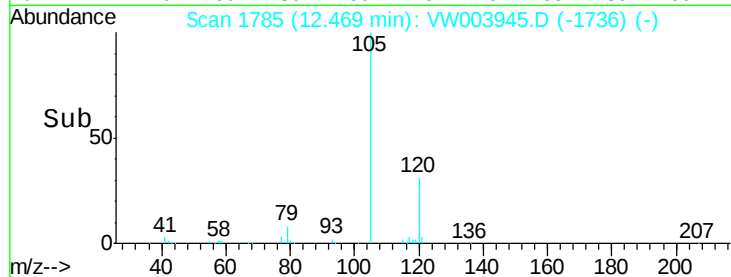
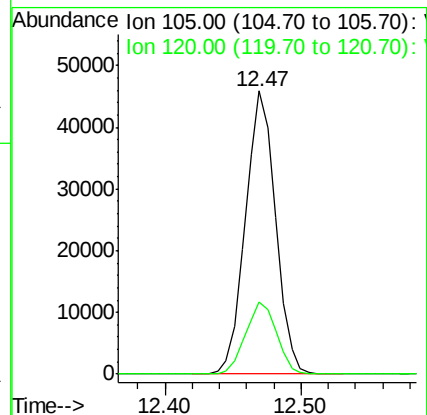
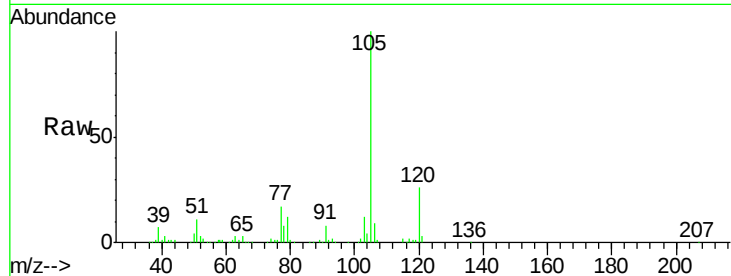
VSTDIC005

Tot Ion:105 Resp: 71003

Ion Ratio Lower Upper

105 100

120 26.2 13.2 39.6



#74

N-ethyl acetate

Concen: 4.03 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion: 43 Resp: 15690

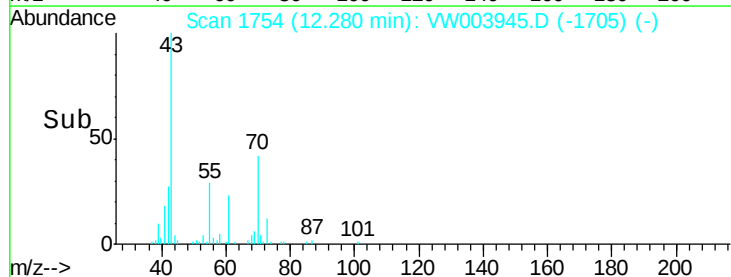
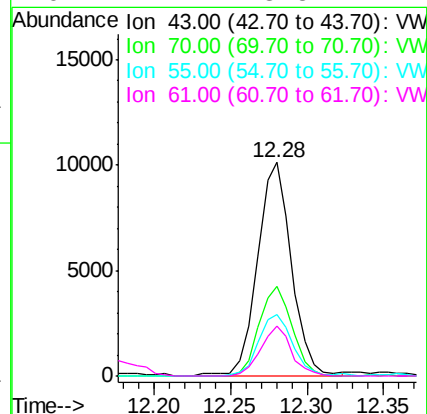
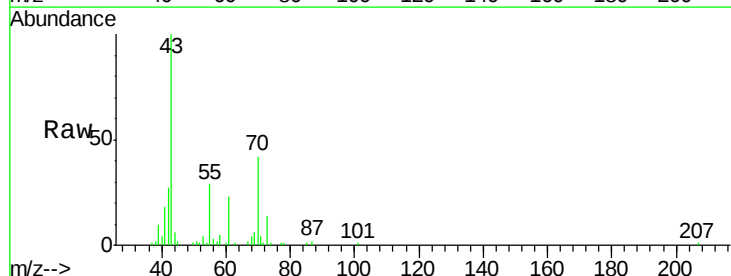
Ion Ratio Lower Upper

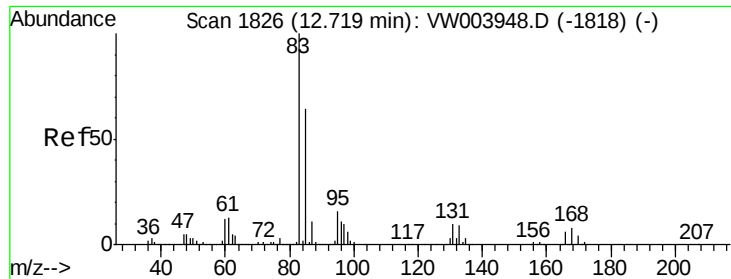
43 100

70 40.5 31.6 47.4

55 29.1 20.0 30.0

61 21.2 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 4.66 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

VSTDIC005

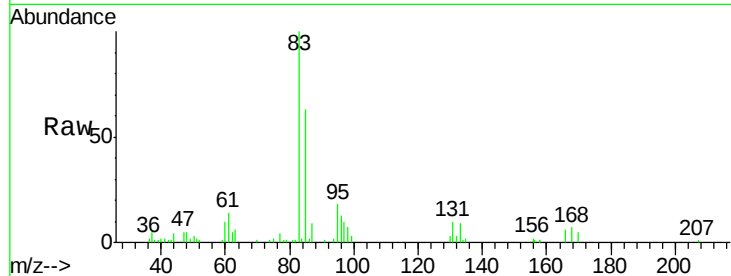
Tot Ion: 83 Resp: 13580

Ion Ratio Lower Upper

83 100

131 10.1 5.3 15.8

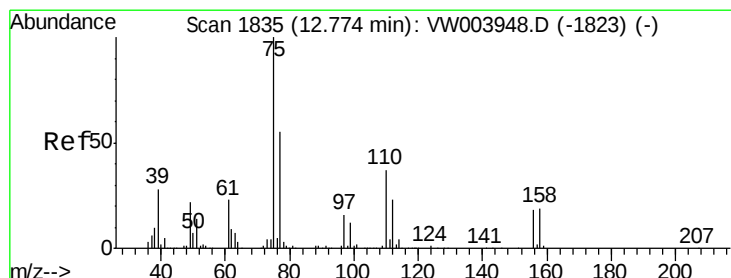
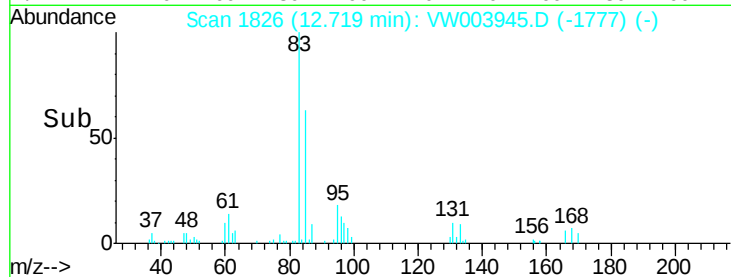
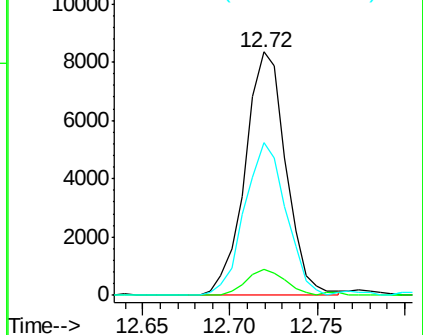
85 63.6 32.2 96.6



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: 7.32 ug/l

RT: 12.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VW003945.D

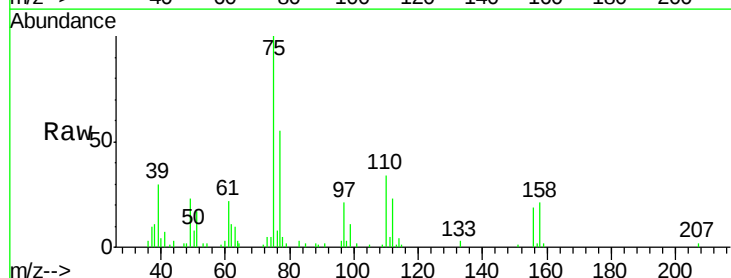
Acq: 16 Jul 2018 11:57

Tgt Ion: 75 Resp: 17727

Ion Ratio Lower Upper

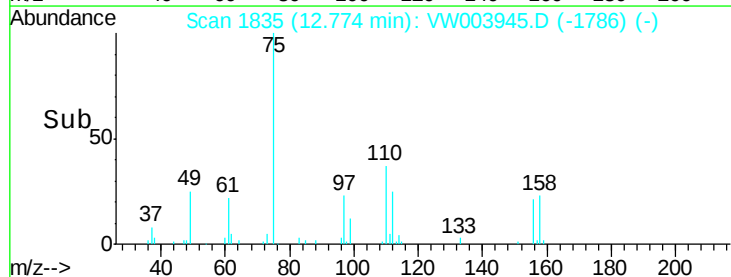
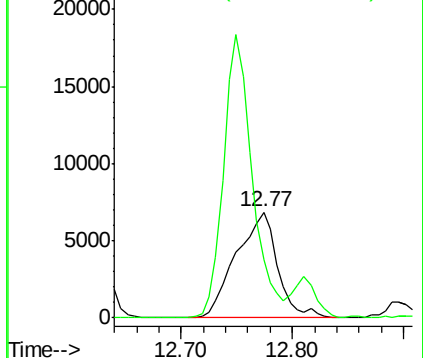
75 100

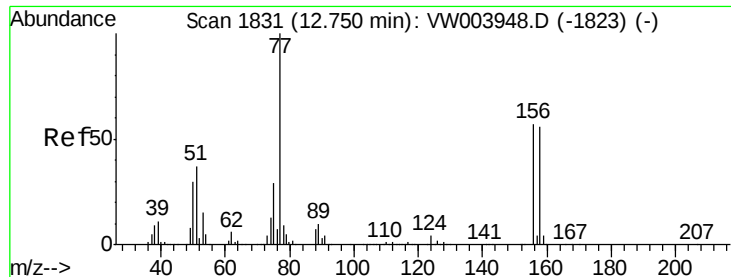
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.95 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

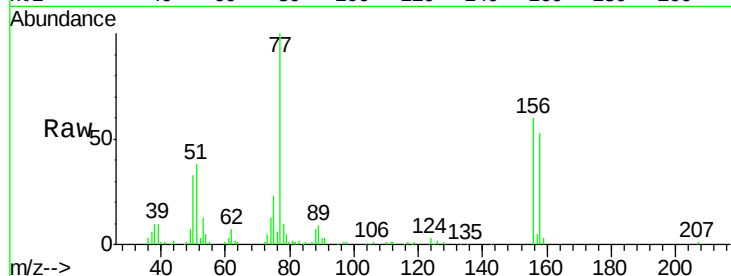
Tot Ion:156 Resp: 17733

Ion Ratio Lower Upper

156 100

77 185.4 96.2 288.6

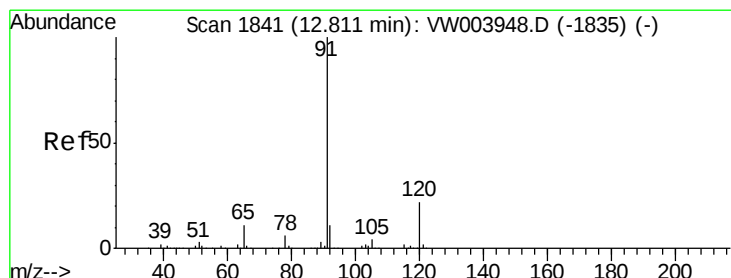
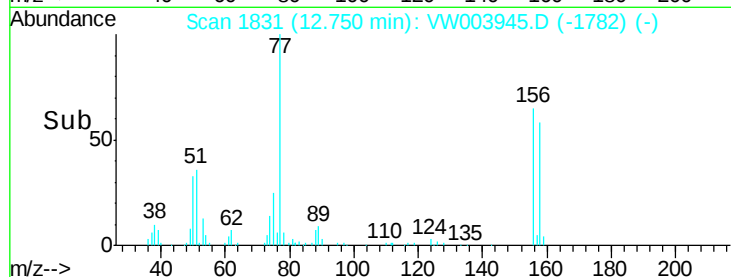
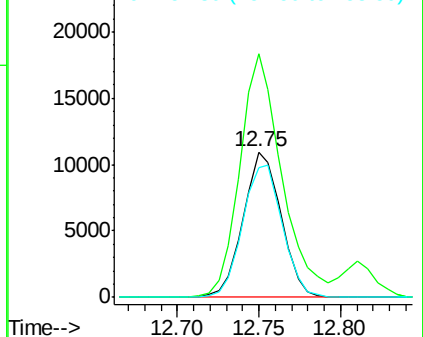
158 95.6 48.5 145.5



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: 4.83 ug/l

RT: 12.81 min Scan# 1841

Delta R.T. -0.00 min

Lab File: VW003945.D

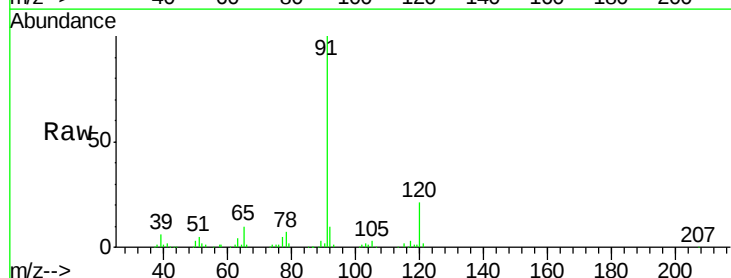
Acq: 16 Jul 2018 11:57

Tgt Ion: 91 Resp: 87612

Ion Ratio Lower Upper

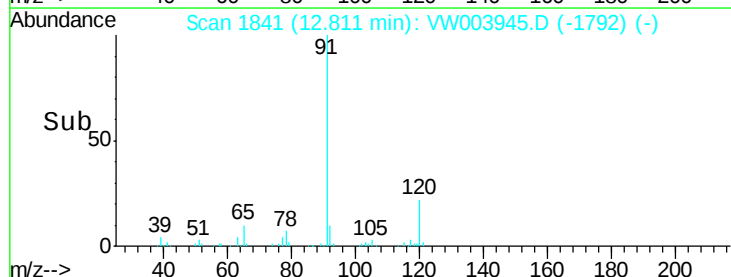
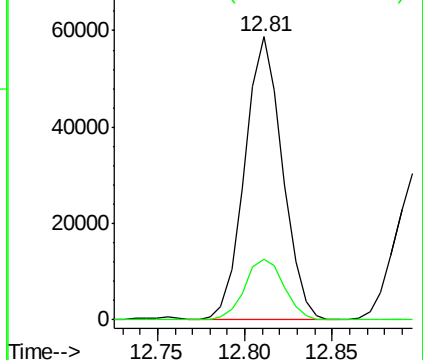
91 100

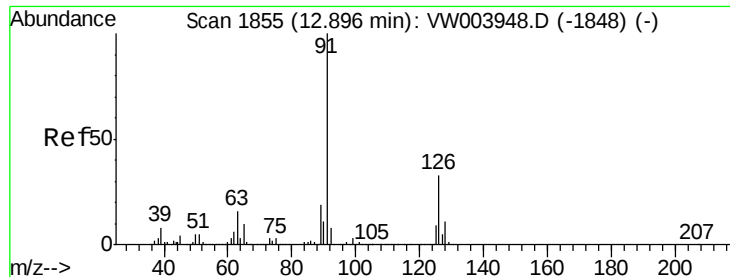
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70):





#79

2-Chlorotoluene

Concen: 4.86 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

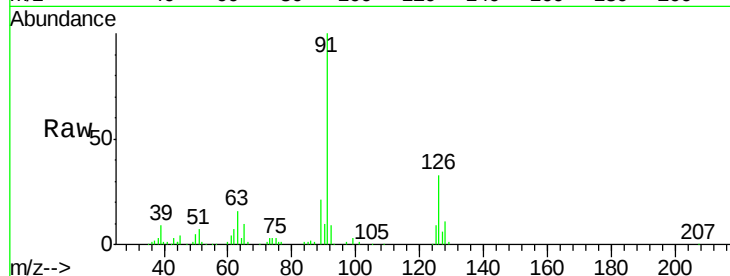
VSTDIC005

Tot Ion: 91 Resp: 50462

Ion Ratio Lower Upper

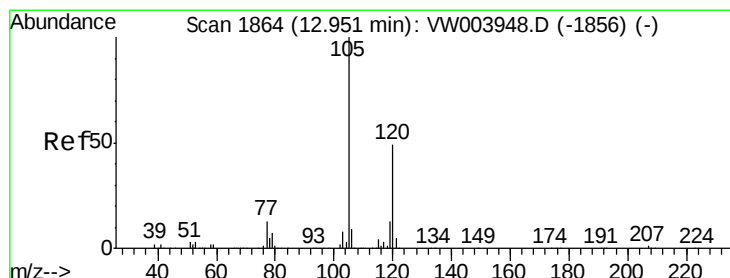
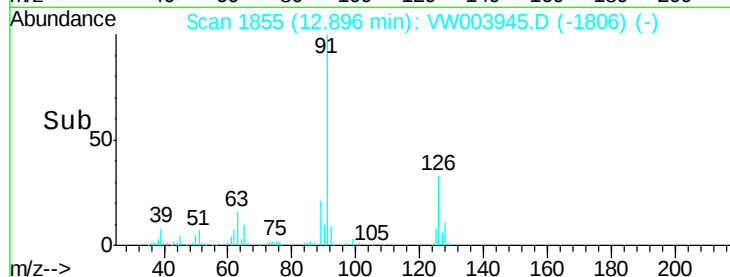
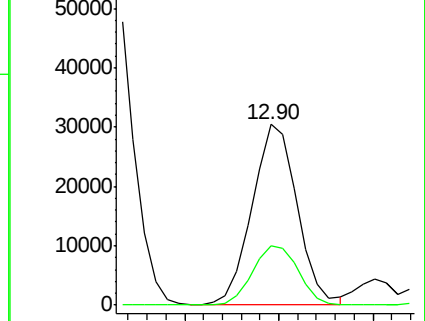
91 100

126 33.4 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: 4.79 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003945.D

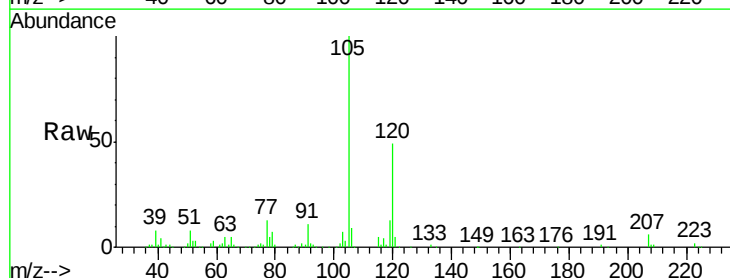
Acq: 16 Jul 2018 11:57

Tgt Ion:105 Resp: 59604

Ion Ratio Lower Upper

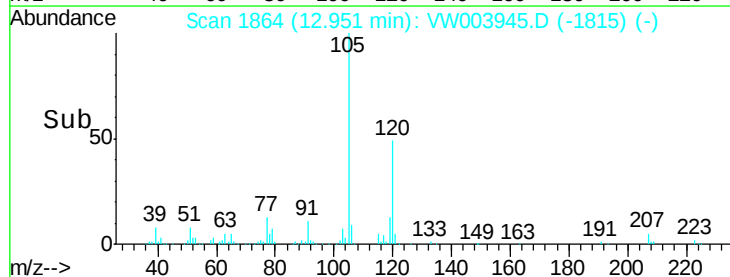
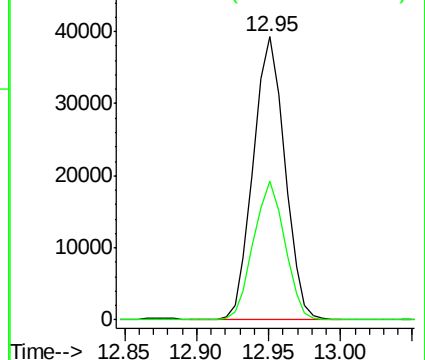
105 100

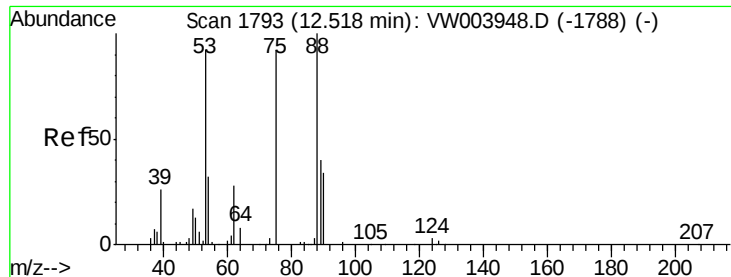
120 48.9 24.4 73.2



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: 4.74 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

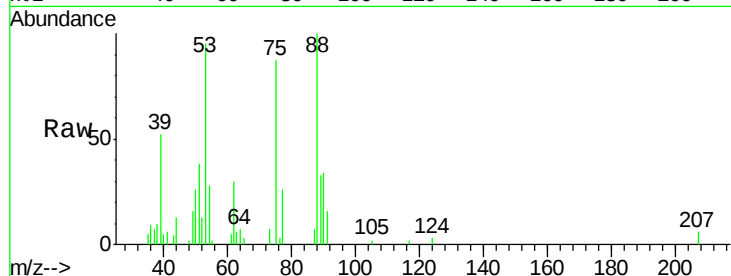
Tot Ion: 75 Resp: 4095

Ion Ratio Lower Upper

75 100

53 104.3 77.6 116.4

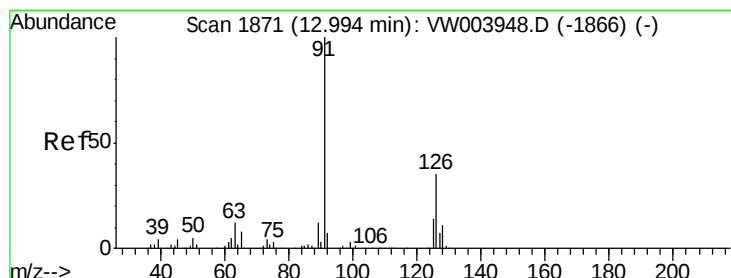
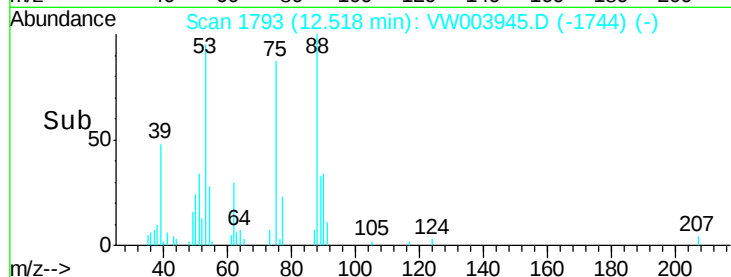
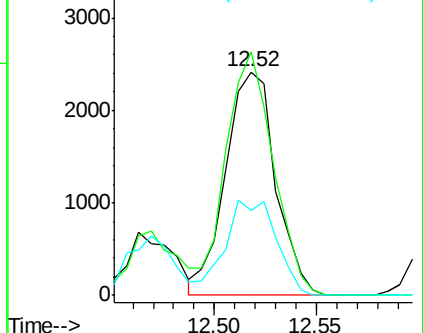
89 44.1 36.6 54.8



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: 4.99 ug/l

RT: 12.99 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VW003945.D

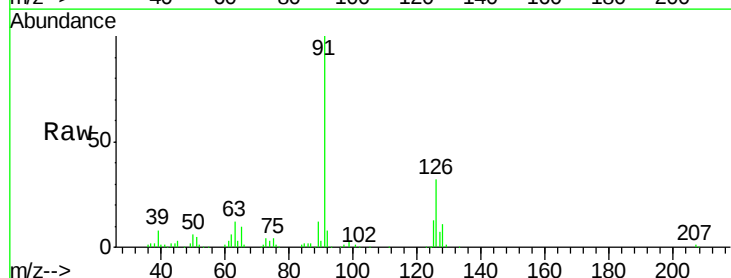
Acq: 16 Jul 2018 11:57

Tgt Ion: 91 Resp: 55649

Ion Ratio Lower Upper

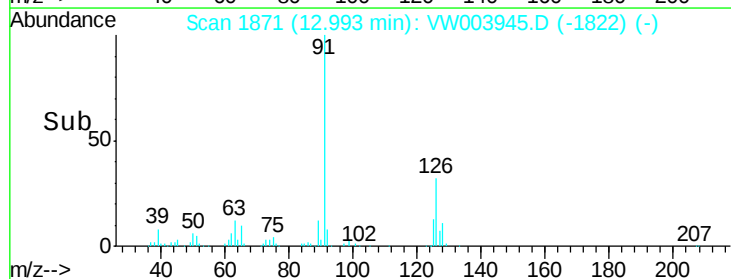
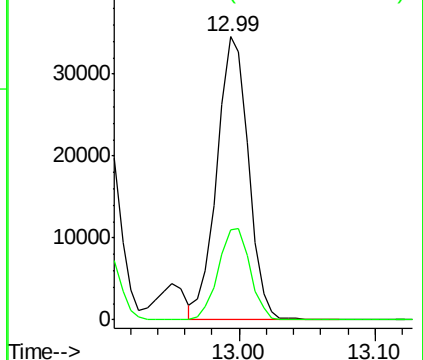
91 100

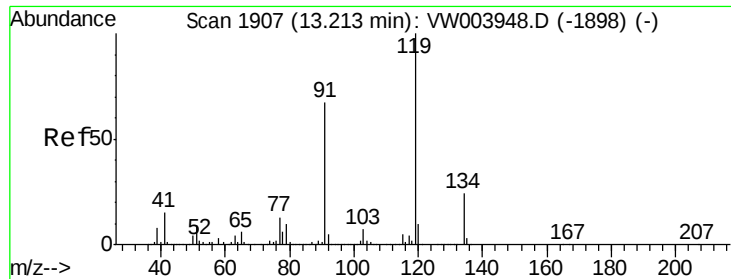
126 32.7 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW

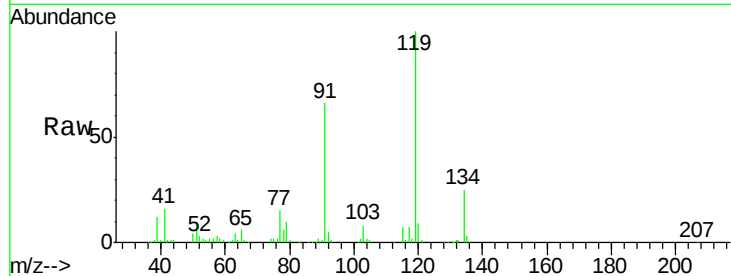




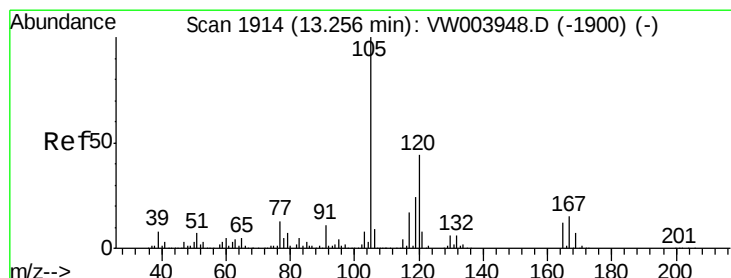
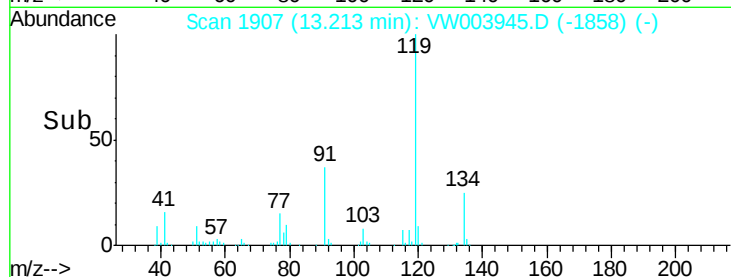
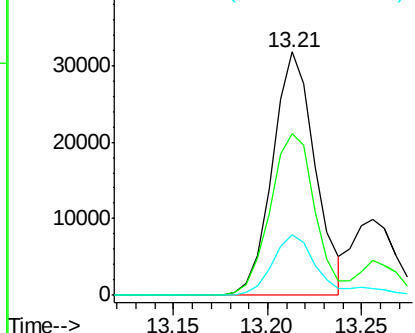
#83
tert-Butylbenzene
Concen: 4.84 ug/l
RT: 13.21 min Scan# 1907
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

Tot Ion:119 Resp: 49792
Ion Ratio Lower Upper
119 100
91 70.2 33.2 99.6
134 25.0 13.0 38.9

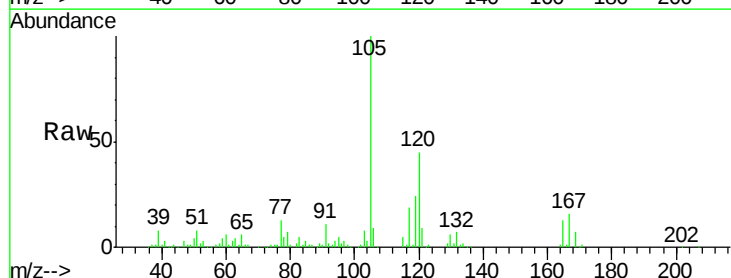


Abundance Ion 119.00 (118.70 to 119.70):
Ion 91.00 (90.70 to 91.70): VW
Ion 134.00 (133.70 to 134.70):

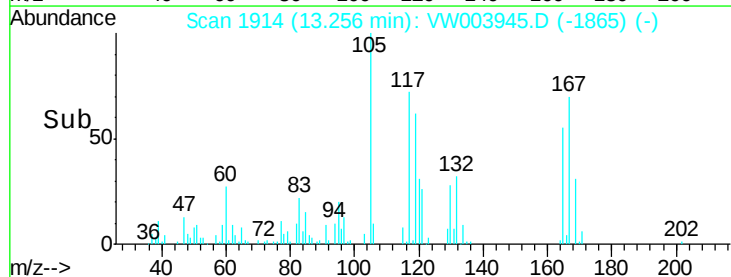
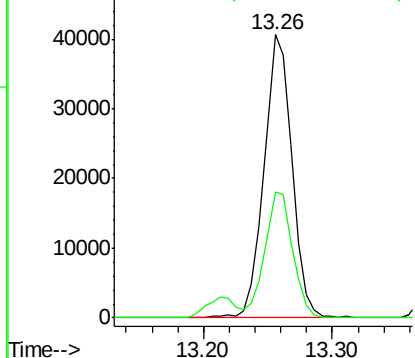


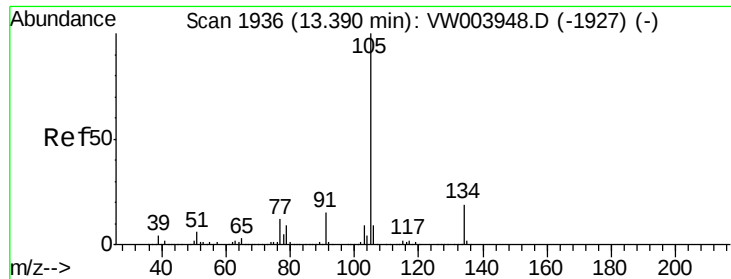
#84
1,2,4-Trimethylbenzene
Concen: 4.73 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion:105 Resp: 61111
Ion Ratio Lower Upper
105 100
120 44.4 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70):
Ion 120.00 (119.70 to 120.70):





#85

sec-Butylbenzene

Concen: 4.91 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampled :

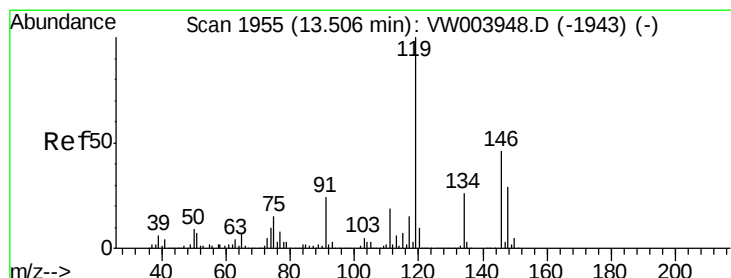
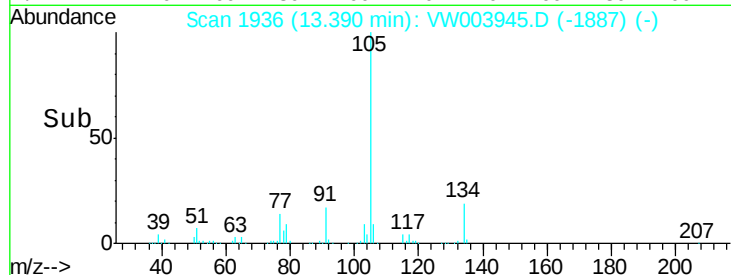
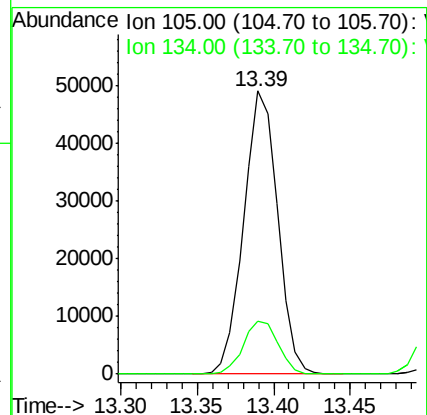
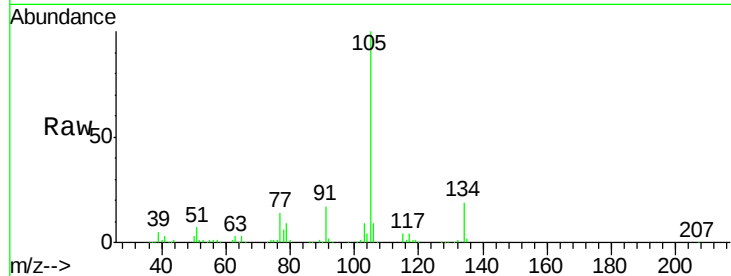
VSTDIC005

Tot Ion:105 Resp: 75604

Ion Ratio Lower Upper

105 100

134 19.3 9.8 29.4



#86

p-Isopropyltoluene

Concen: 4.82 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

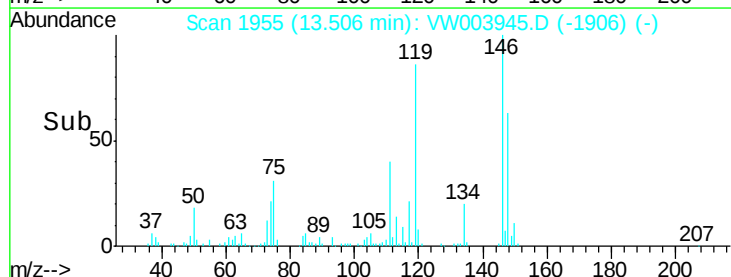
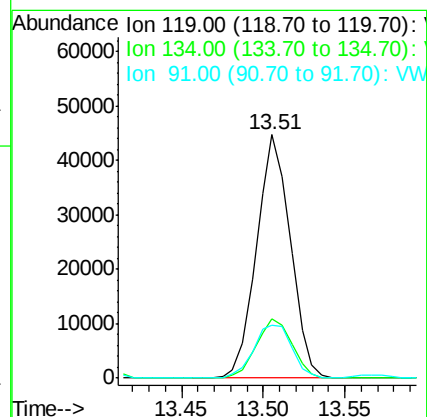
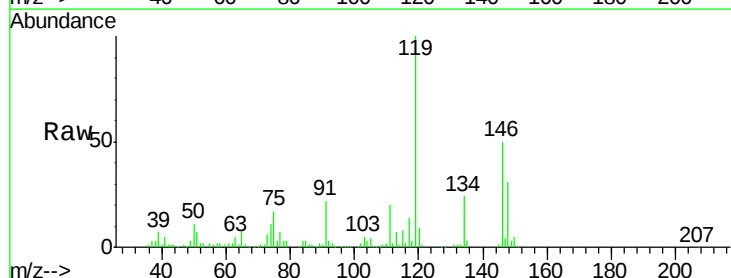
Tgt Ion:119 Resp: 64784

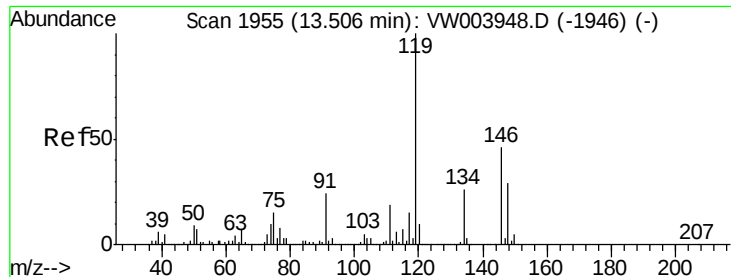
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 25.0 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 5.02 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

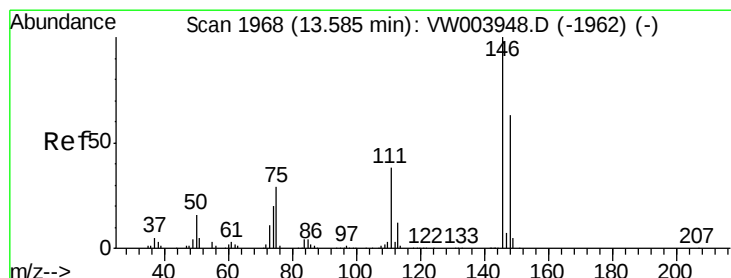
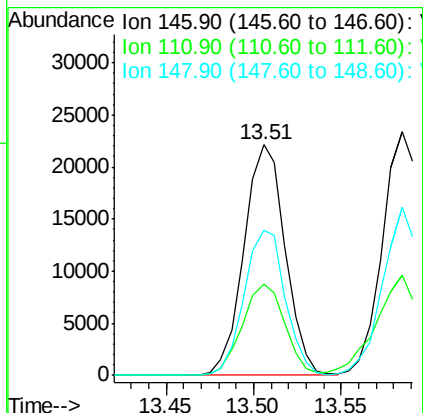
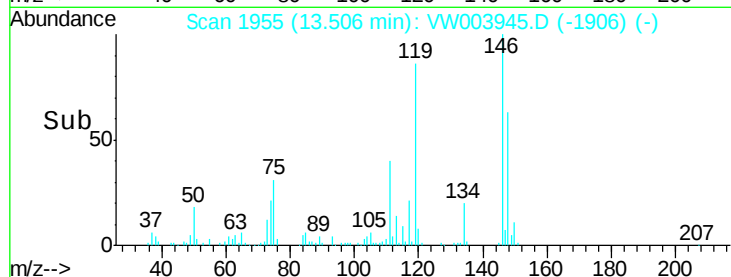
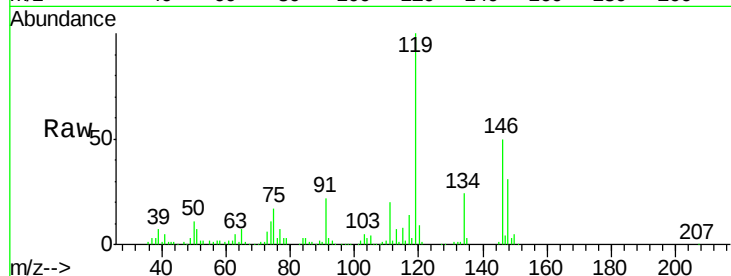
Tot Ion:146 Resp: 36377

Ion Ratio Lower Upper

146 100

111 40.8 19.9 59.6

148 62.6 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 5.21 ug/l

RT: 13.58 min Scan# 1968

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

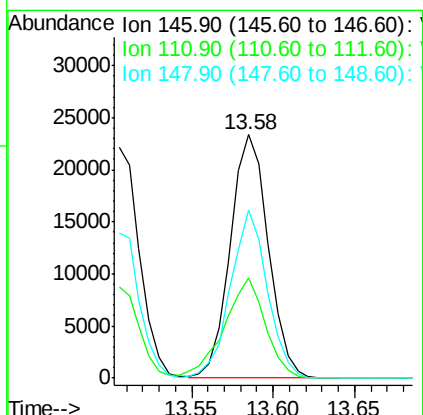
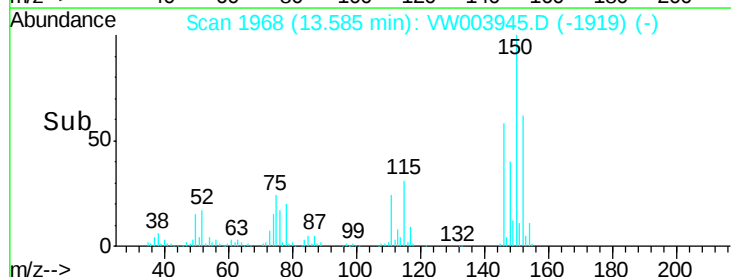
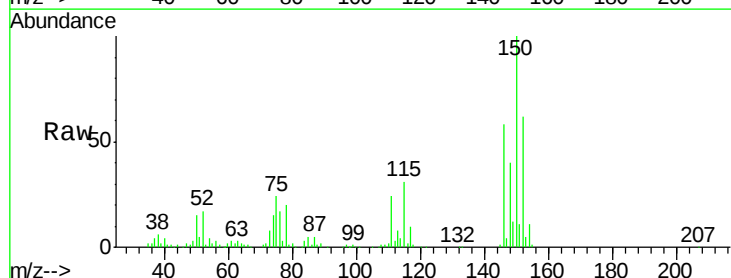
Tgt Ion:146 Resp: 37849

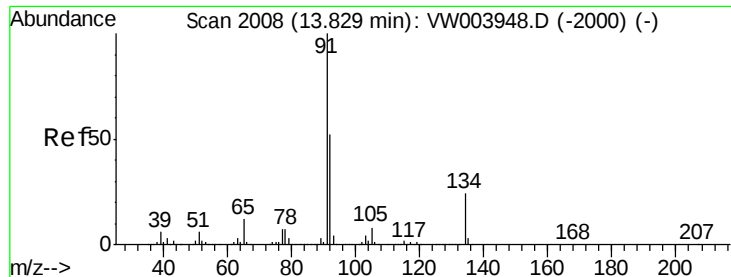
Ion Ratio Lower Upper

146 100

111 44.4 19.6 58.7

148 67.0 32.3 96.8

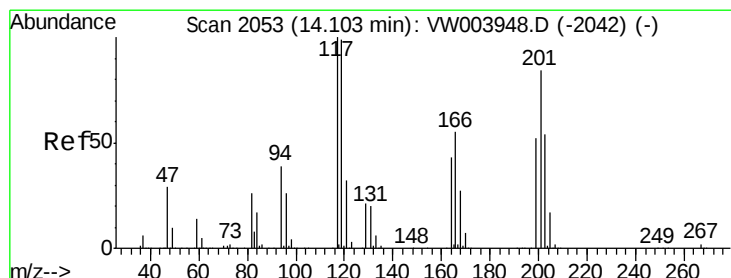
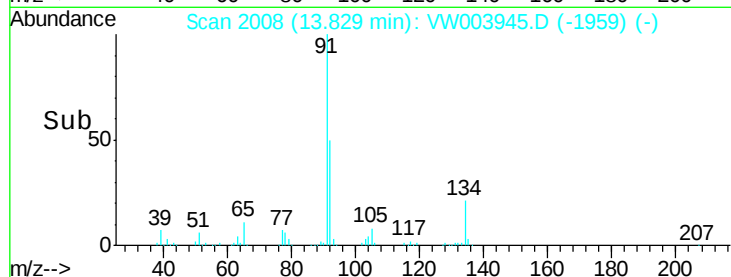
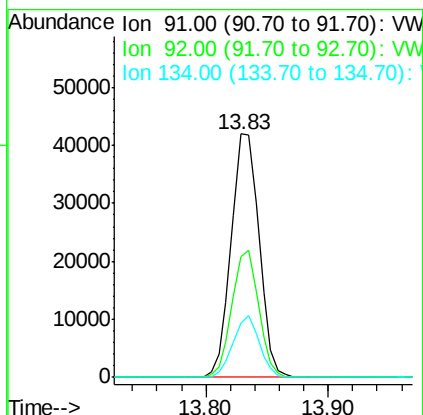
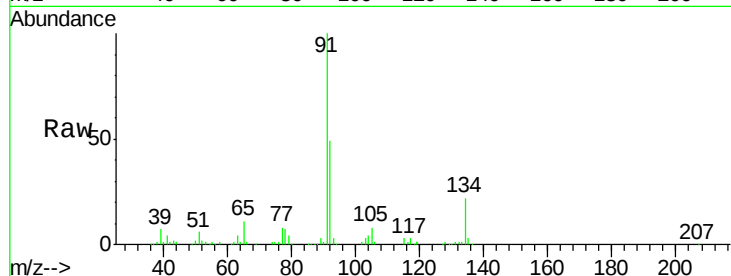




#89
n-Butylbenzene
Concen: 5.01 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

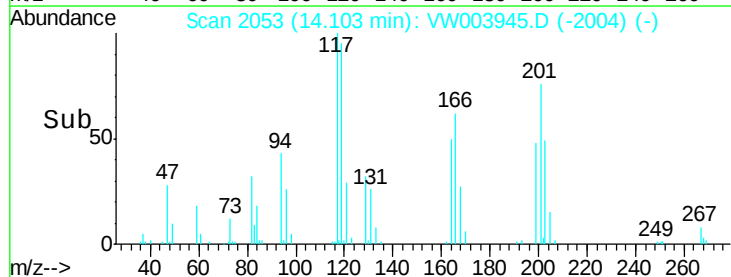
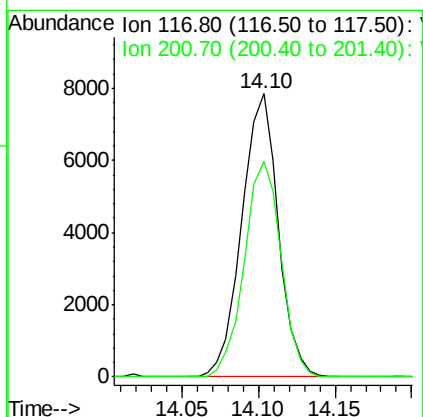
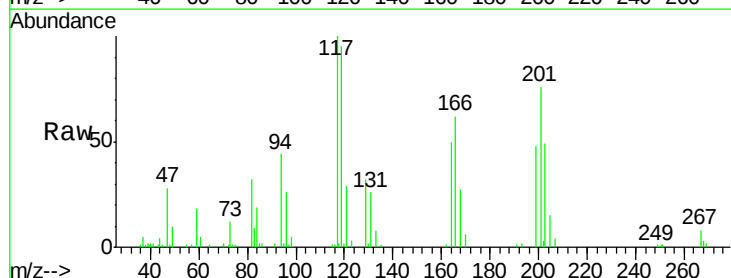
Instrument :
MSVOA_W
ClientSampleId :
VSTDIC005

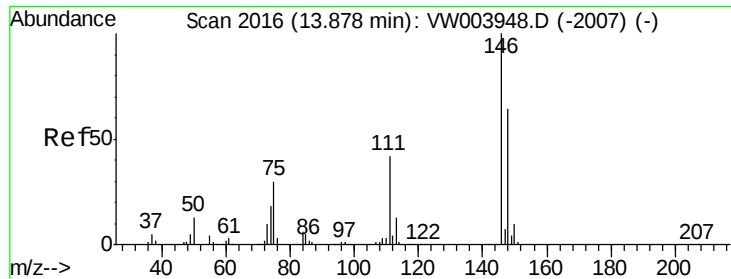
Tot Ion: 91 Resp: 66307
Ion Ratio Lower Upper
91 100
92 49.8 26.1 78.3
134 23.7 12.4 37.4



#90
Hexachloroethane
Concen: 5.04 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW003945.D
Acq: 16 Jul 2018 11:57

Tgt Ion: 117 Resp: 13012
Ion Ratio Lower Upper
117 100
201 76.7 40.3 120.9

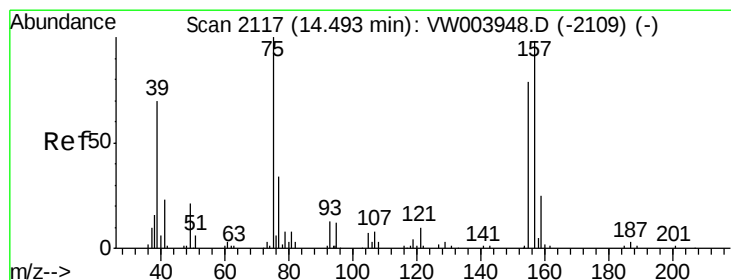
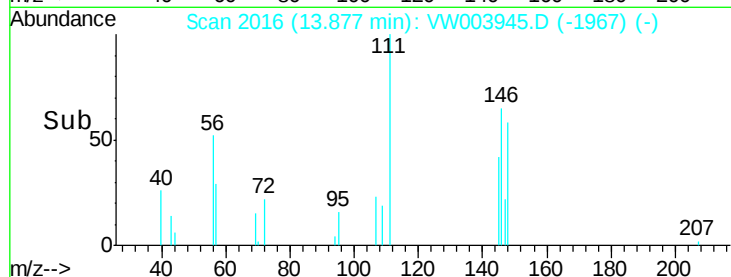
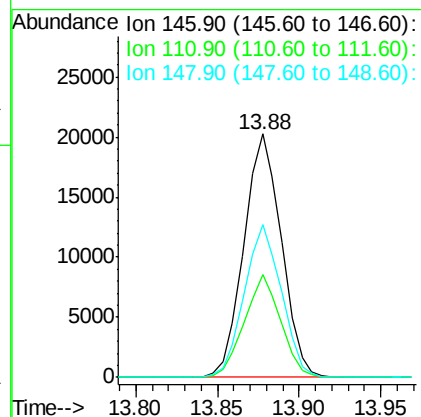
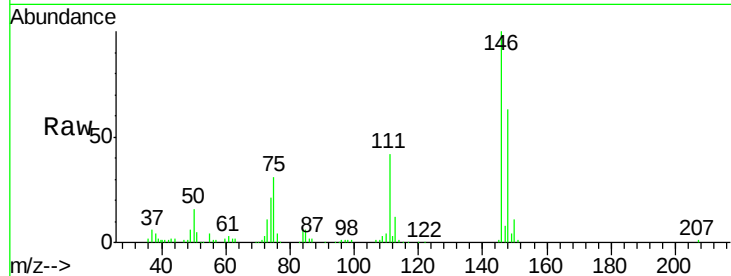




#91
 1,2-Dichlorobenzene
 Concen: 4.98 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

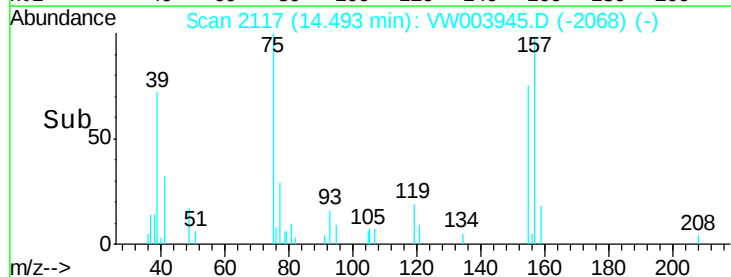
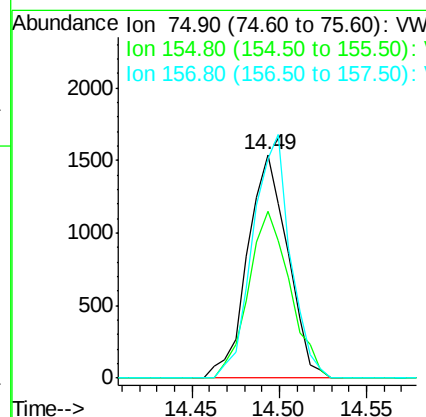
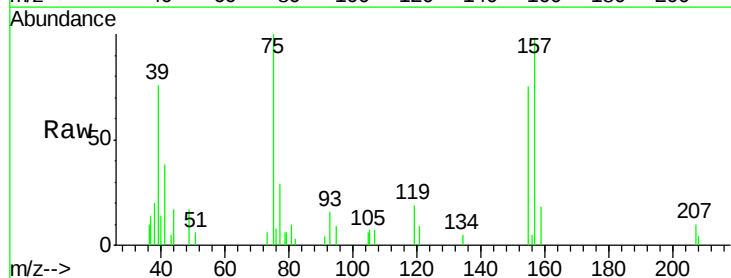
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

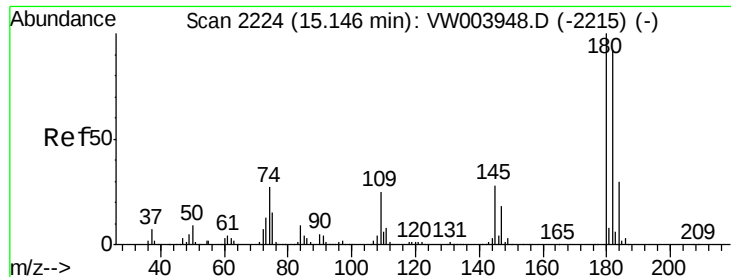
Tot Ion:146 Resp: 32388
 Ion Ratio Lower Upper
 146 100
 111 41.0 20.7 62.1
 148 62.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.89 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion: 75 Resp: 2458
 Ion Ratio Lower Upper
 75 100
 155 77.3 39.4 118.1
 157 102.2 51.8 155.4

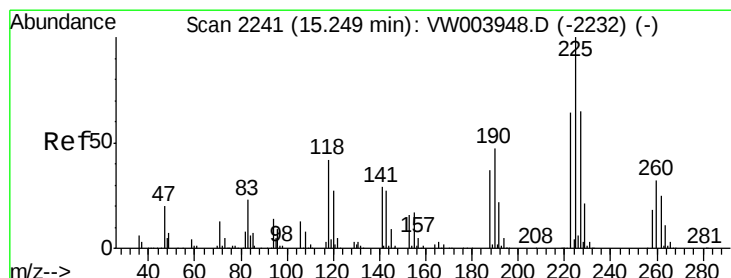
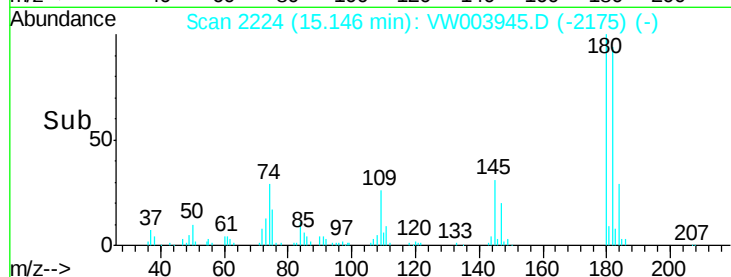
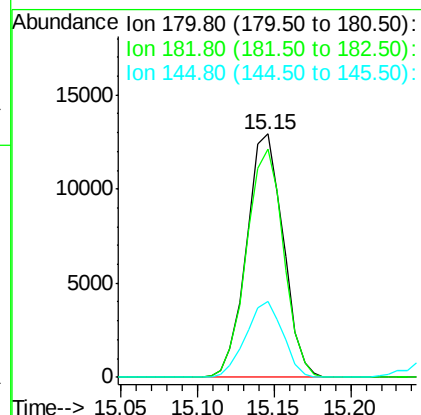
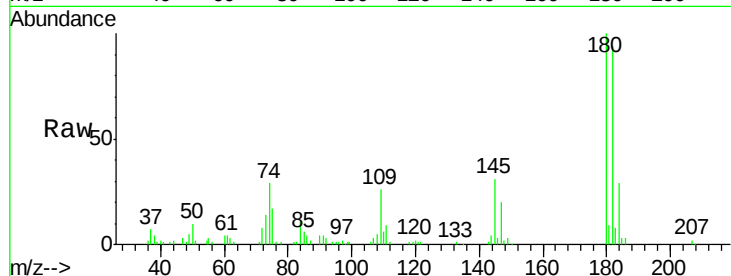




#93
 1,2,4-Trichlorobenzene
 Concen: 4.89 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

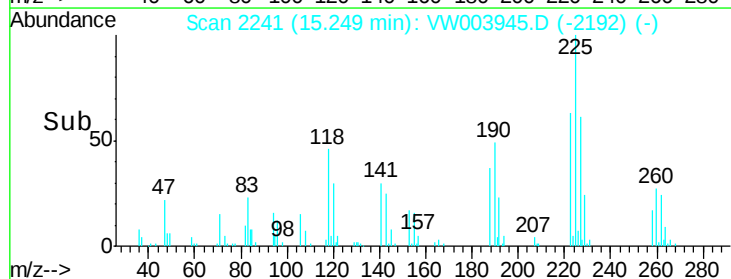
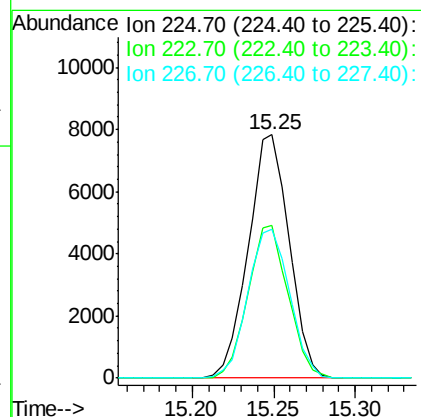
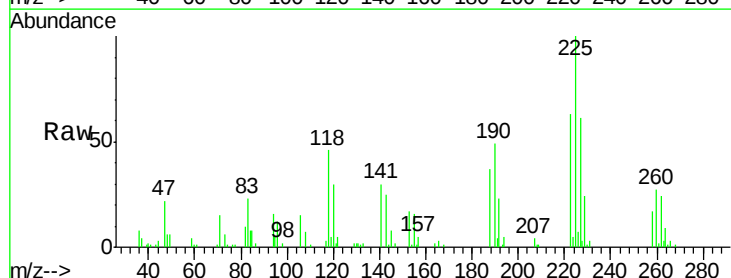
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC005

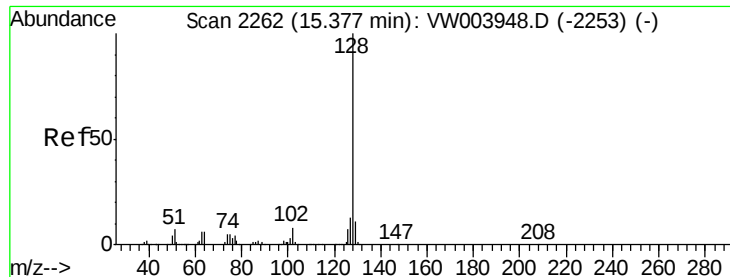
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.9	140.8
145	31.5	15.0	45.0



#94
 Hexachlorobutadiene
 Concen: 5.38 ug/l
 RT: 15.25 min Scan# 2241
 Delta R.T. -0.00 min
 Lab File: VW003945.D
 Acq: 16 Jul 2018 11:57

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	32.0	96.2
227	62.7	32.3	96.9





#95

Naphthalene

Concen: 4.38 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC005

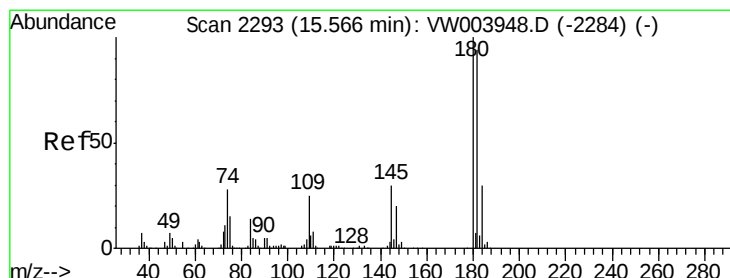
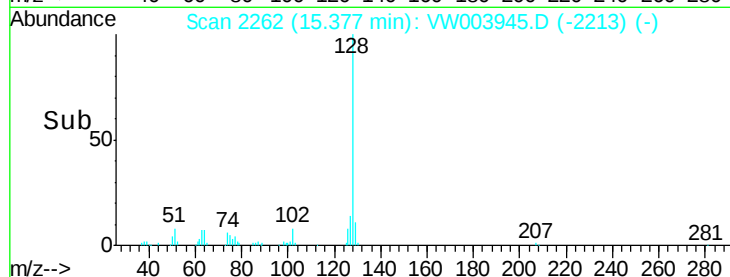
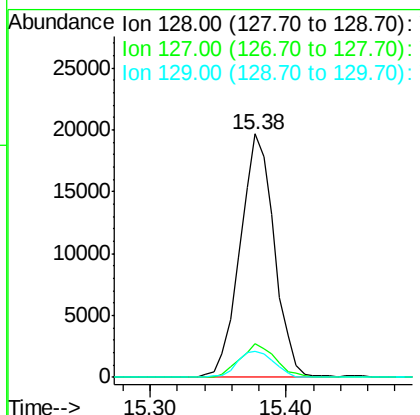
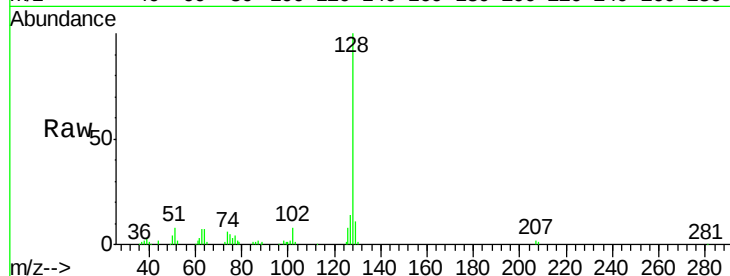
Tot Ion:128 Resp: 34455

Ion Ratio Lower Upper

128 100

127 14.4 10.7 16.1

129 11.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 4.94 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW003945.D

Acq: 16 Jul 2018 11:57

Tgt Ion:180 Resp: 19486

Ion Ratio Lower Upper

180 100

182 97.0 47.5 142.6

145 31.2 15.8 47.4

