

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
 Data File : VW006074.D
 Acq On : 16 Oct 2018 13:18
 Operator : VA/AP
 Sample : VW1016SBSD01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

Quant Time: Oct 16 14:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	422959	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	382914	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	215679	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113827	45.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.76%	
35) Dibromofluoromethane	7.89	113	117014	46.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.64%	
50) Toluene-d8	10.33	98	455279	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
62) 4-Bromofluorobenzene	12.62	95	167720	46.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	27292	18.23	ug/l	98
3) Chloromethane	2.22	50	34072	17.68	ug/l	97
4) Vinyl Chloride	2.37	62	52210	18.97	ug/l	96
5) Bromomethane	2.78	94	47309	18.90	ug/l	98
6) Chloroethane	2.93	64	36734	18.62	ug/l	96
7) Trichlorofluoromethane	3.26	101	53016	20.68	ug/l	98
8) Diethyl Ether	3.68	74	23883	17.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.07	101	54990	20.46	ug/l	98
10) Methyl Iodide	4.27	142	88899	19.88	ug/l	100
11) Tert butyl alcohol	5.17	59	19311	114.46	ug/l	98
12) 1,1-Dichloroethene	4.04	96	49767	19.69	ug/l	89
13) Acrolein	3.90	56	16450	100.77	ug/l	95
14) Allyl chloride	4.67	41	71896	19.89	ug/l	99
15) Acrylonitrile	5.37	53	47366	96.91	ug/l	99
16) Acetone	4.12	43	56979	112.96	ug/l	99
17) Carbon Disulfide	4.38	76	150404	19.71	ug/l	99
18) Methyl Acetate	4.67	43	23814	18.86	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	76129	19.77	ug/l	98
20) Methylene Chloride	4.92	84	53056	18.98	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	55734	19.75	ug/l	99
22) Diisopropyl ether	6.32	45	142518	19.95	ug/l	98
23) Vinyl Acetate	6.26	43	408124	96.81	ug/l	100
24) 1,1-Dichloroethane	6.22	63	91419	19.83	ug/l	98
25) 2-Butanone	7.18	43	69842	103.06	ug/l	96
26) 2,2-Dichloropropane	7.17	77	68678	21.13	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	61370	19.71	ug/l	97
28) Bromochloromethane	7.51	49	28639	16.09	ug/l	97
29) Tetrahydrofuran	7.53	42	40003	96.03	ug/l	99
30) Chloroform	7.68	83	98974	19.71	ug/l	99
31) Cyclohexane	7.96	56	91213	19.87	ug/l	95
32) 1,1,1-Trichloroethane	7.88	97	91200	20.13	ug/l	99
36) 1,1-Dichloropropene	8.09	75	80986	20.77	ug/l	99
37) Ethyl Acetate	7.26	43	27043	18.67	ug/l	100
38) Carbon Tetrachloride	8.07	117	86564	20.25	ug/l	99

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 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

Quant Time: Oct 16 14:45:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 16 05:36:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107261	20.70	ug/l	98
40) Benzene	8.33	78	218606	20.44	ug/l	99
41) Methacrylonitrile	7.49	41	14191	16.25	ug/l #	84
42) 1,2-Dichloroethane	8.40	62	62449	19.88	ug/l	100
43) Isopropyl Acetate	8.43	43	58002	19.59	ug/l	99
44) Trichloroethene	9.10	130	66843	20.37	ug/l	95
45) 1,2-Dichloropropane	9.37	63	51838	20.26	ug/l	95
46) Dibromomethane	9.46	93	28708	19.68	ug/l	100
47) Bromodichloromethane	9.65	83	70763	20.01	ug/l	99
48) Methyl methacrylate	9.45	41	28935	20.61	ug/l	96
49) 1,4-Dioxane	9.45	88	9155	407.74	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	143332	96.59	ug/l	99
52) Toluene	10.39	92	148131	20.66	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	70543	20.02	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	81601	20.18	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	40409	19.80	ug/l	97
56) Ethyl methacrylate	10.65	69	48011	19.19	ug/l	98
57) 1,3-Dichloropropane	10.94	76	66193	19.59	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	89433	93.54	ug/l	99
59) 2-Hexanone	10.98	43	106990	101.01	ug/l	100
60) Dibromochloromethane	11.13	129	49643	19.53	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40065	19.65	ug/l	99
64) Tetrachloroethene	10.87	164	61105	20.56	ug/l	98
65) Chlorobenzene	11.66	112	169681	20.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	59759	20.51	ug/l	100
67) Ethyl Benzene	11.74	91	297109	20.91	ug/l	99
68) m/p-Xylenes	11.85	106	233645	41.61	ug/l	99
69) o-Xylene	12.17	106	110480	20.65	ug/l	100
70) Styrene	12.19	104	178346	20.50	ug/l	100
71) Bromoform	12.35	173	31028	19.10	ug/l #	99
73) Isopropylbenzene	12.47	105	312975	20.54	ug/l	99
74) N-amyl acetate	12.28	43	57422	19.40	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	45848	19.78	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	60135	36.50	ug/l #	100
77) Bromobenzene	12.76	156	76134	20.40	ug/l	100
78) n-propylbenzene	12.81	91	367284	20.72	ug/l	100
79) 2-Chlorotoluene	12.90	91	206660	20.75	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	266203	20.72	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13006	18.87	ug/l	98
82) 4-Chlorotoluene	12.99	91	212640	20.38	ug/l	99
83) tert-Butylbenzene	13.21	119	238387	20.74	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	272011	20.93	ug/l	100
85) sec-Butylbenzene	13.39	105	339772	20.93	ug/l	99
86) p-Isopropyltoluene	13.51	119	306613	20.88	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	152884	20.58	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	152424	20.61	ug/l	99
89) n-Butylbenzene	13.83	91	283559	21.11	ug/l	100
90) Hexachloroethane	14.10	117	51242	20.60	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	134451	20.29	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7865	18.96	ug/l	99

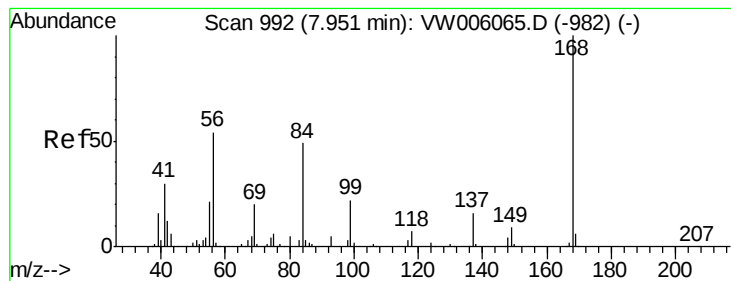
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW101618\
Data File : VW006074.D
Acq On : 16 Oct 2018 13:18
Operator : VA/AP
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Quant Title : SW846 8260
QLast Update : Tue Oct 16 05:36:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	103508	20.30	ug/l	100
94) Hexachlorobutadiene	15.25	225	67850	21.19	ug/l	100
95) Naphthalene	15.38	128	162788	19.20	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	88198	20.00	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

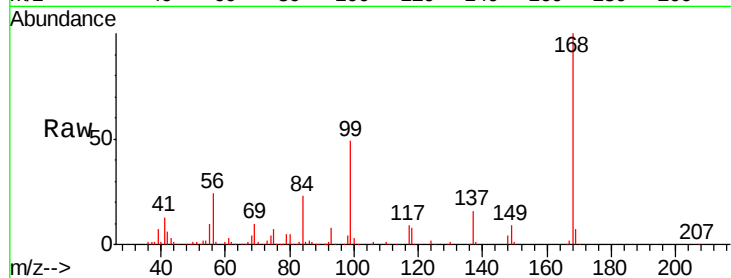
VW1016SBSD01

Tgt Ion:168 Resp: 302573

Ion Ratio Lower Upper

168 100

99 49.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

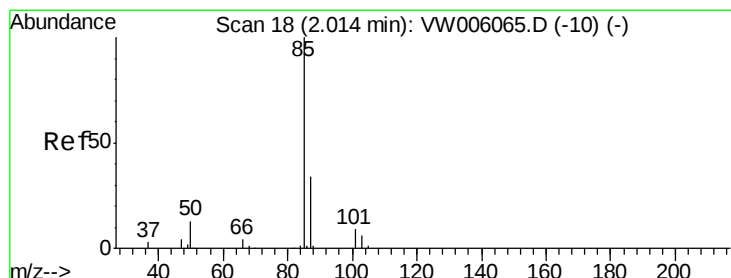
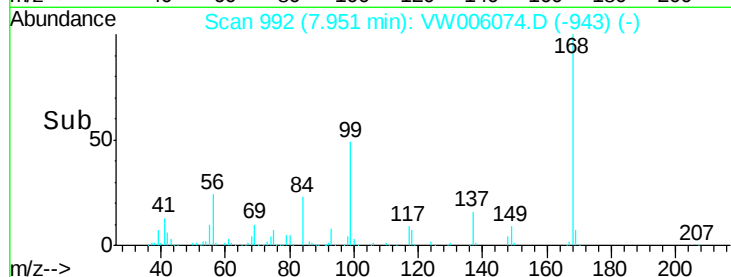
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.23 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW006074.D

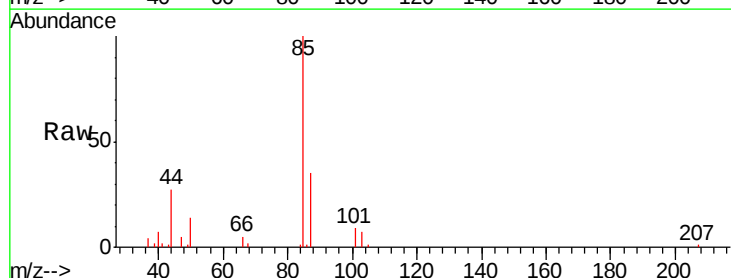
Acq: 16 Oct 2018 13:18

Tgt Ion: 85 Resp: 27292

Ion Ratio Lower Upper

85 100

87 34.9 16.9 50.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

6000

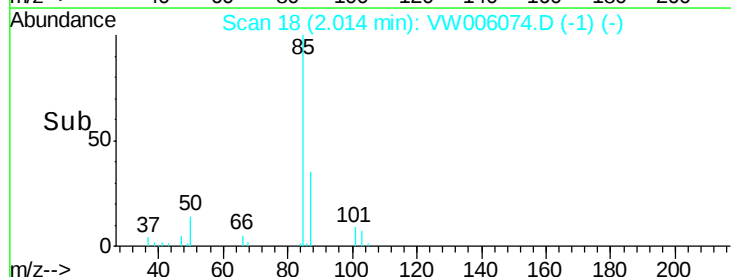
4000

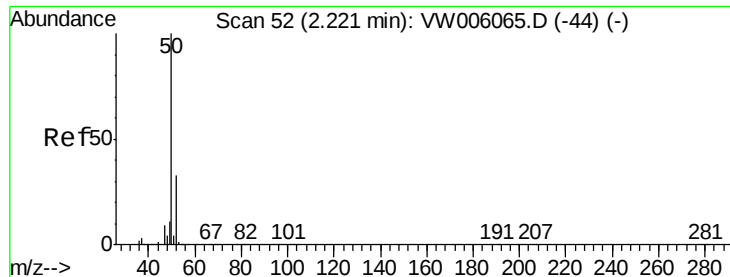
2000

0

2.00 2.20

Time-->





#3

Chloromethane

Concen: 17.68 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

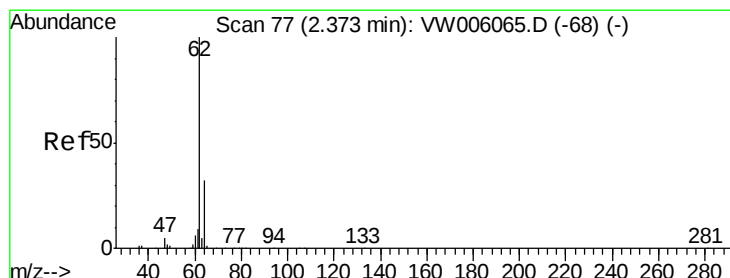
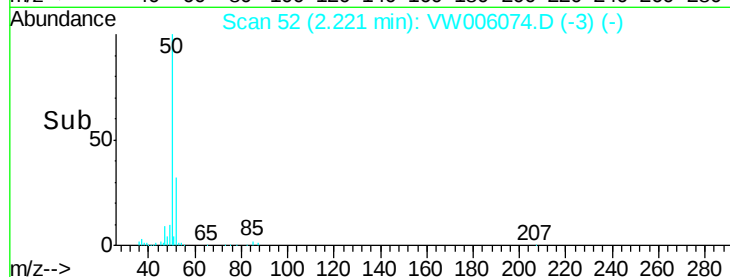
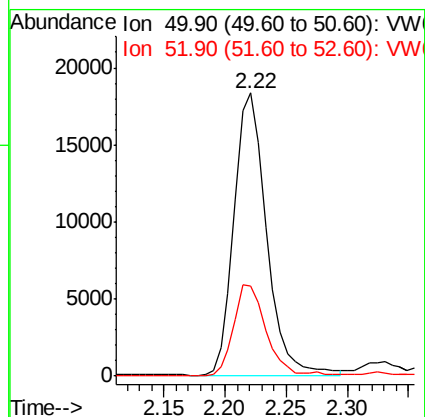
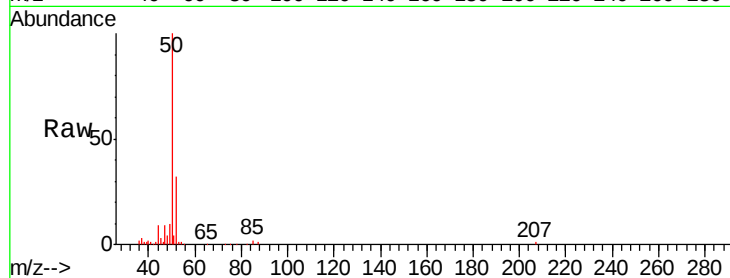
VW1016SBSD01

Tgt Ion: 50 Resp: 34072

Ion Ratio Lower Upper

50 100

52 31.9 26.8 40.2



#4

Vinyl Chloride

Concen: 18.97 ug/l

RT: 2.37 min Scan# 77

Delta R.T. -0.00 min

Lab File: VW006074.D

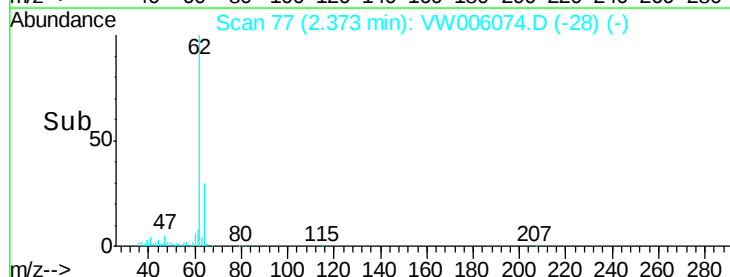
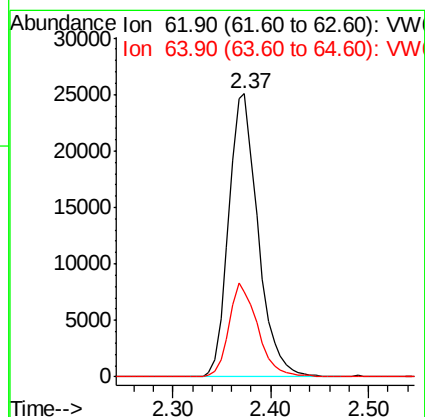
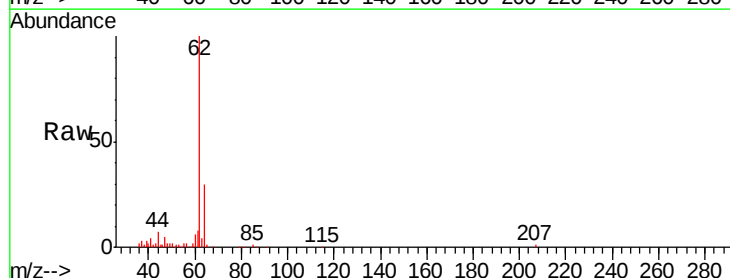
Acq: 16 Oct 2018 13:18

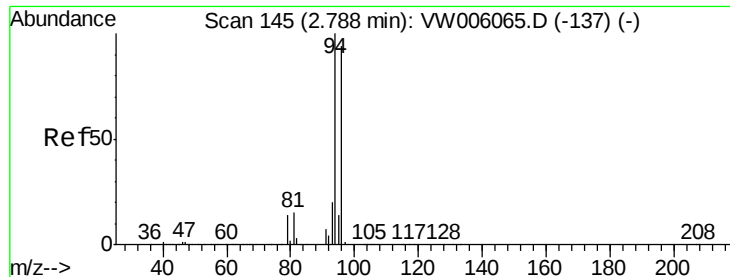
Tgt Ion: 62 Resp: 52210

Ion Ratio Lower Upper

62 100

64 30.0 25.9 38.9





#5

Bromomethane

Concen: 18.90 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

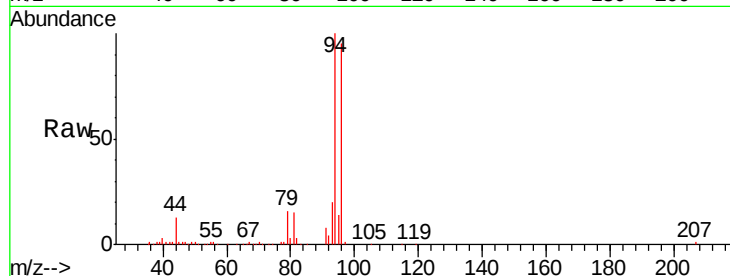
VW1016SBSD01

Tgt Ion: 94 Resp: 47309

Ion Ratio Lower Upper

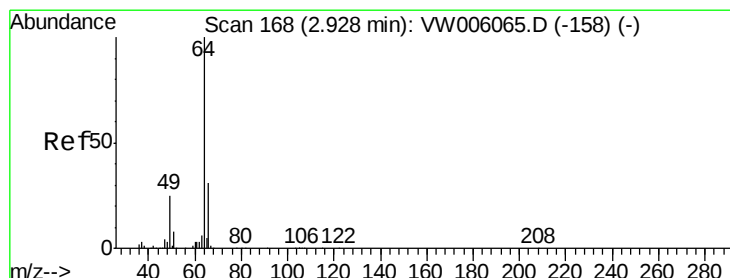
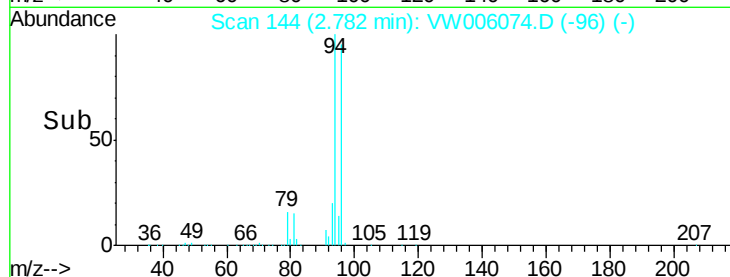
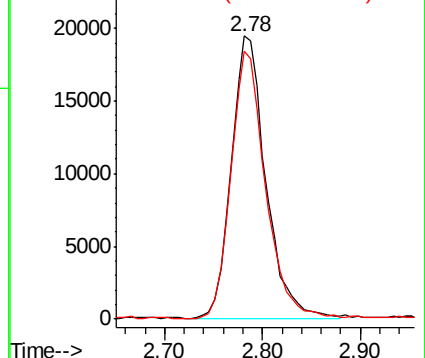
94 100

96 95.2 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 18.62 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW006074.D

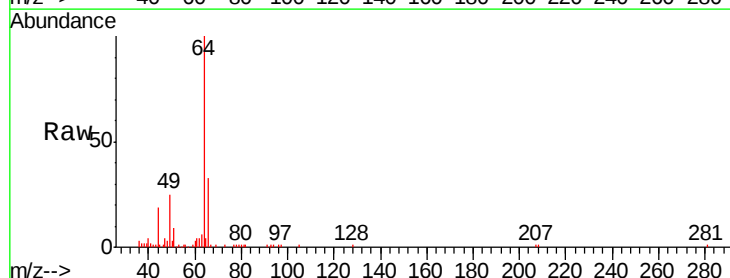
Acq: 16 Oct 2018 13:18

Tgt Ion: 64 Resp: 36734

Ion Ratio Lower Upper

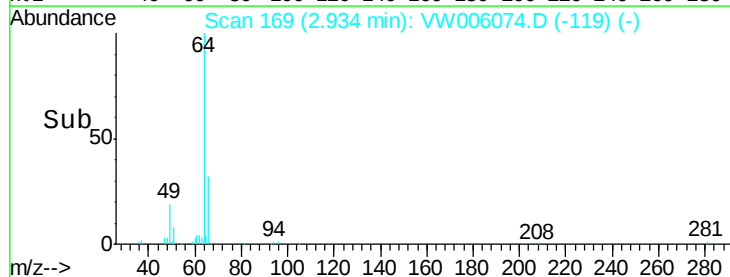
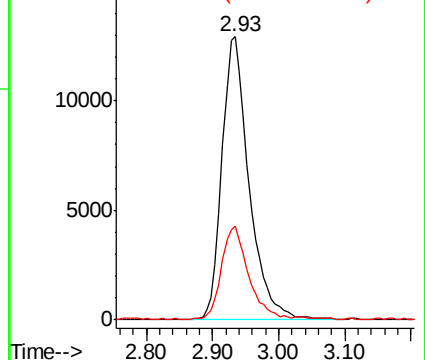
64 100

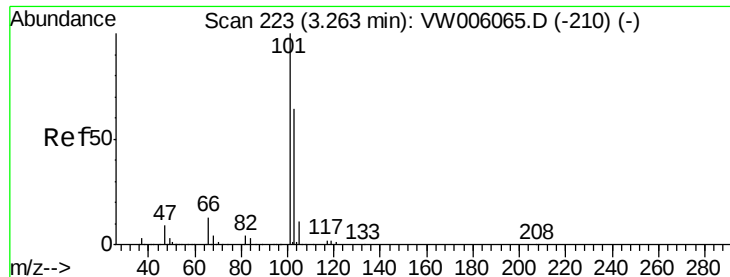
66 33.3 24.9 37.3



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW



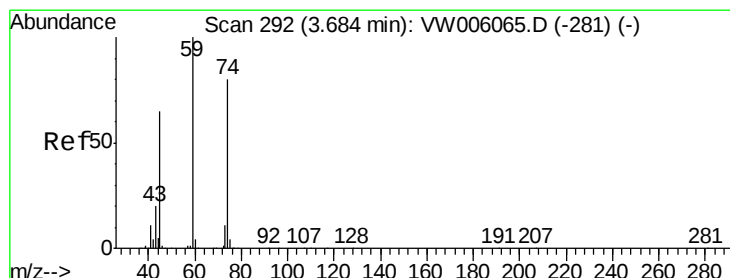
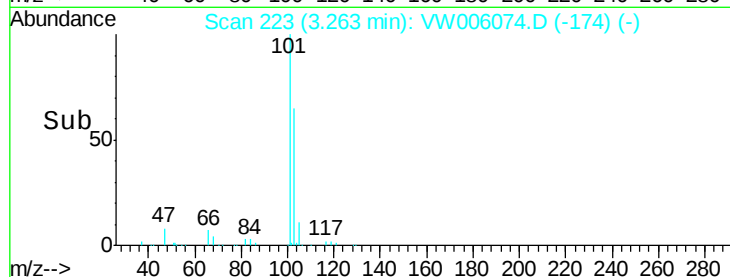
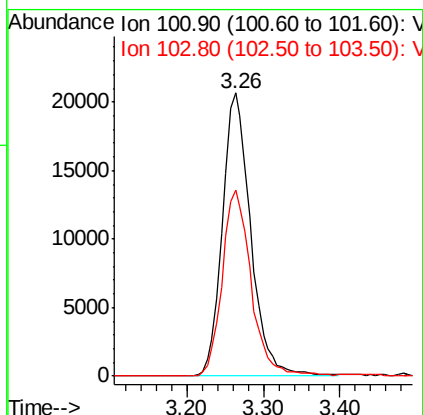
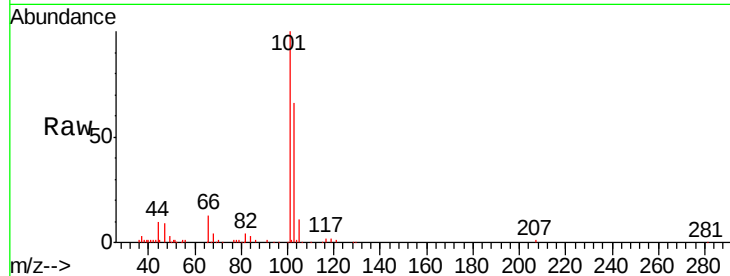


#7

Trichlorofluoromethane
 Concen: 20.68 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

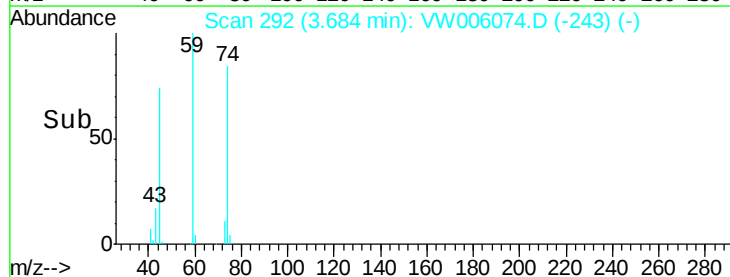
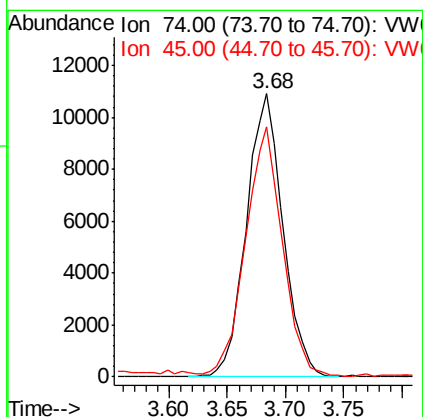
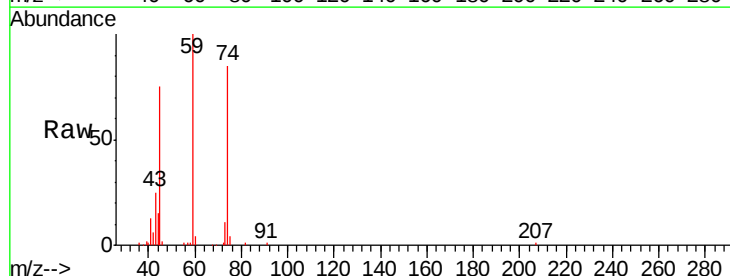
Tgt Ion:101 Resp: 53016
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8

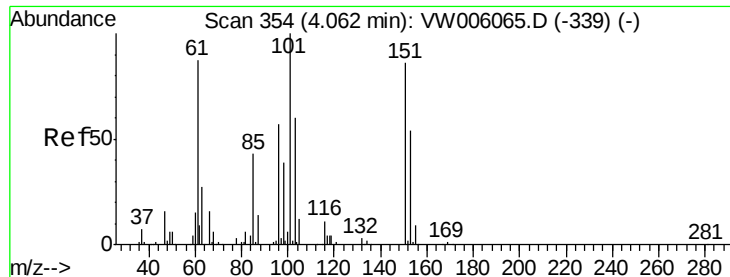


#8

Diethyl Ether
 Concen: 17.53 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion: 74 Resp: 23883
 Ion Ratio Lower Upper
 74 100
 45 89.6 42.8 128.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.46 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

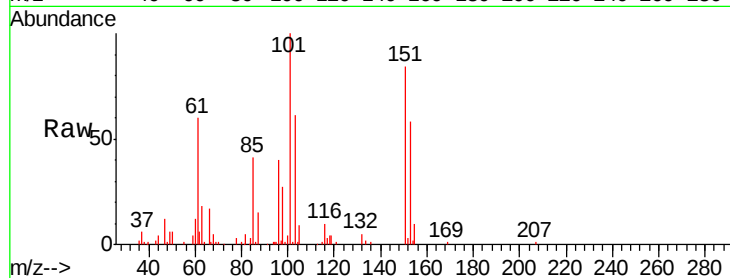
Tgt Ion:101 Resp: 54990

Ion Ratio Lower Upper

101 100

85 43.9 34.9 52.3

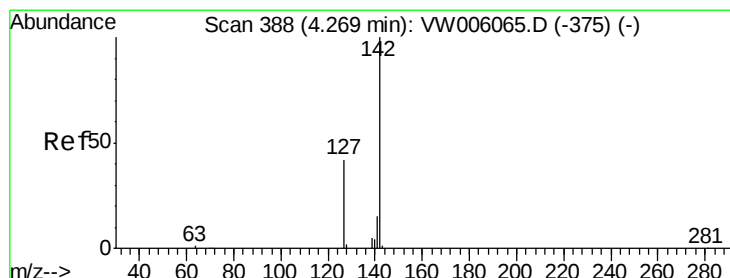
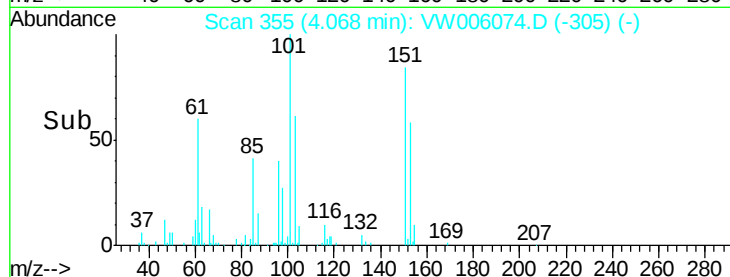
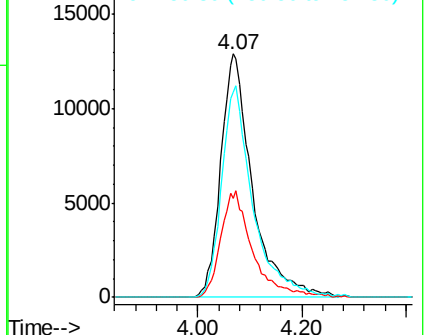
151 85.5 70.4 105.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.88 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

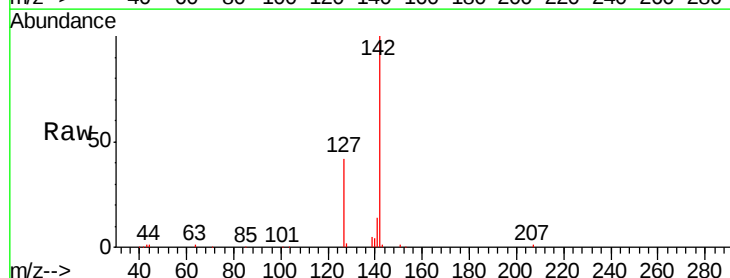
Tgt Ion:142 Resp: 88899

Ion Ratio Lower Upper

142 100

127 42.3 33.6 50.4

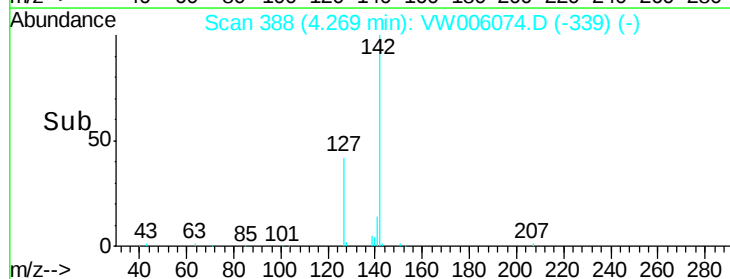
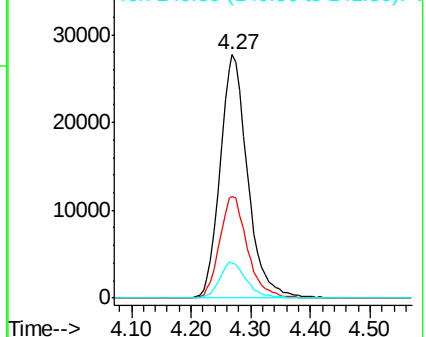
141 14.4 11.6 17.4

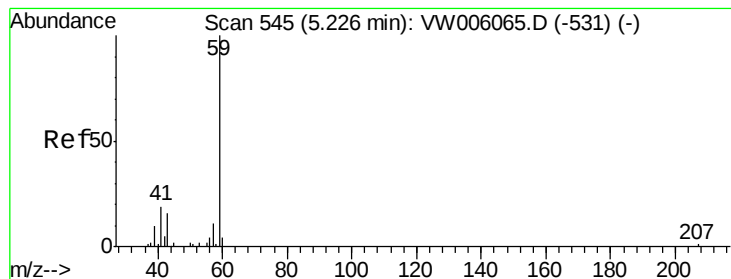


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



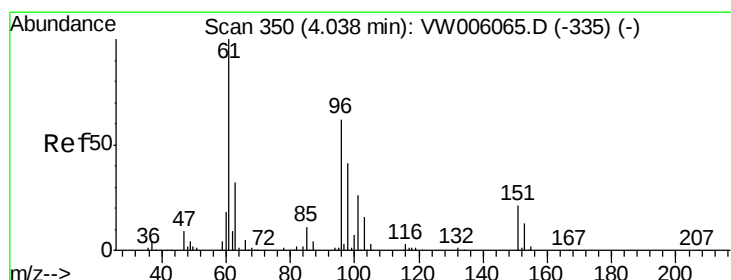
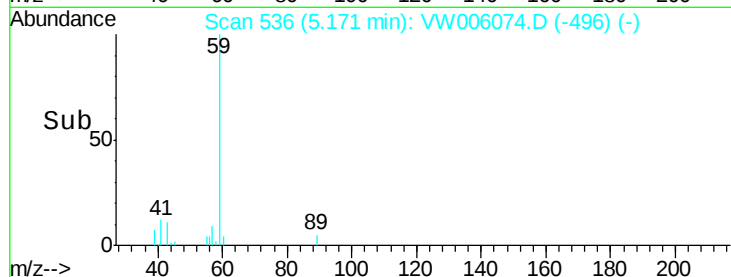
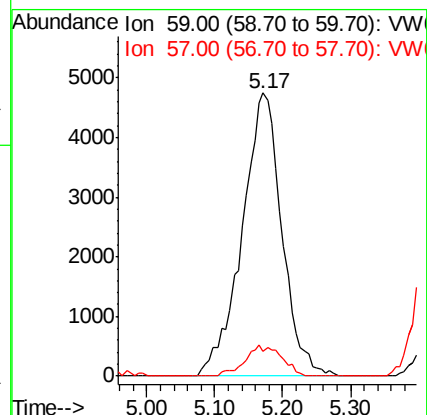
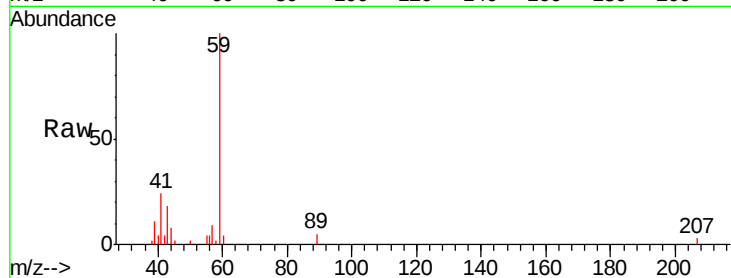


#11

Tert butyl alcohol
Concen: 114.46 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.05 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Instrument :
MSVOA_W
ClientSampled :
VW1016SBS01

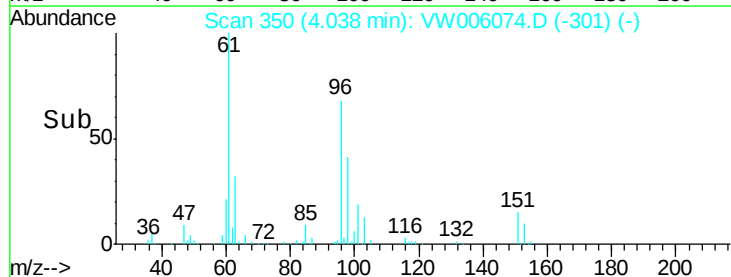
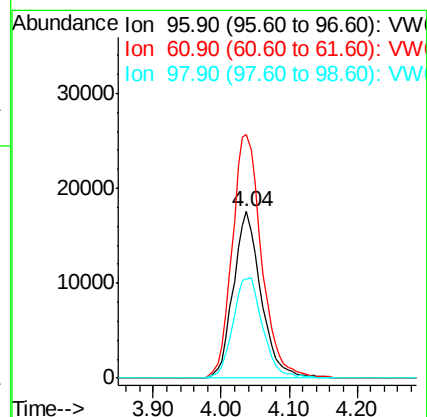
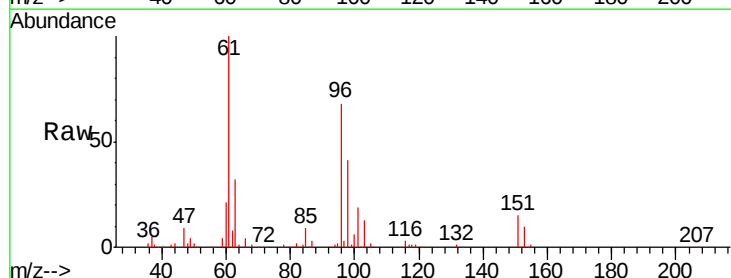
Tgt Ion: 59 Resp: 19311
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1

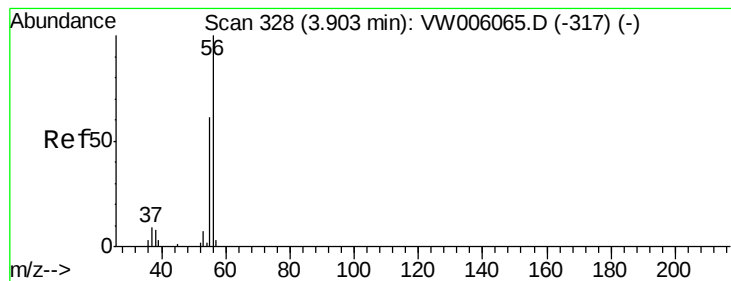


#12

1,1-Dichloroethene
Concen: 19.69 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 96 Resp: 49767
Ion Ratio Lower Upper
96 100
61 146.2 129.3 193.9
98 59.7 53.1 79.7





#13

Acrolein

Concen: 100.77 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

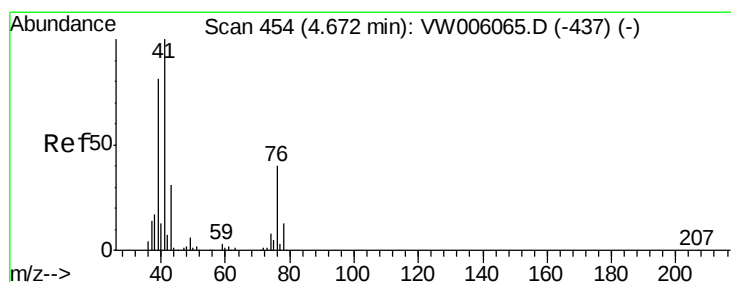
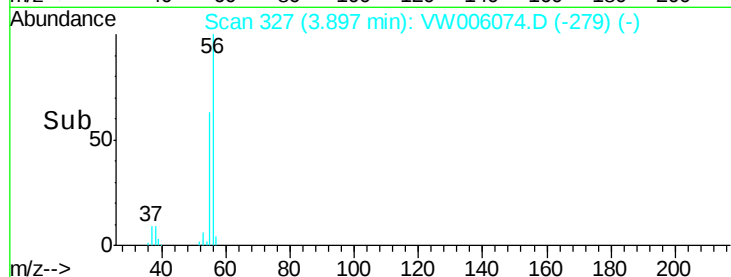
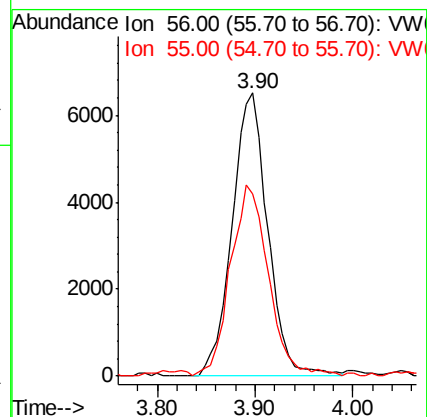
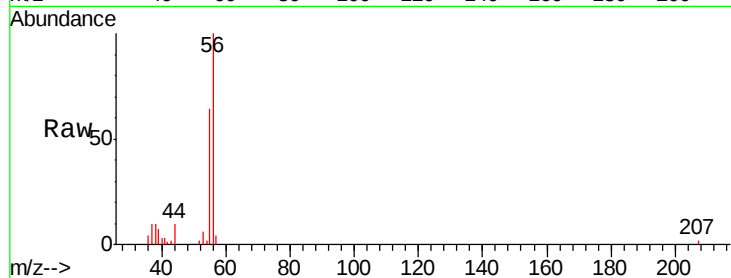
VW1016SBSD01

Tgt Ion: 56 Resp: 16450

Ion Ratio Lower Upper

56 100

55 72.1 54.5 81.7



#14

Allyl chloride

Concen: 19.89 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

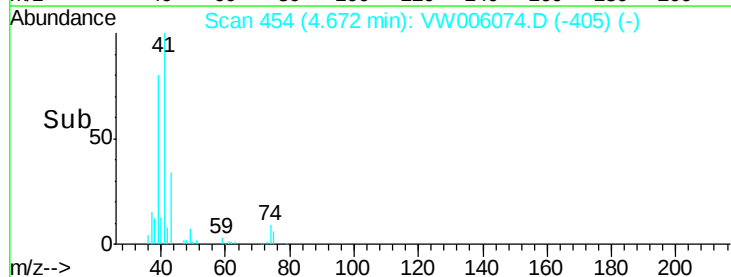
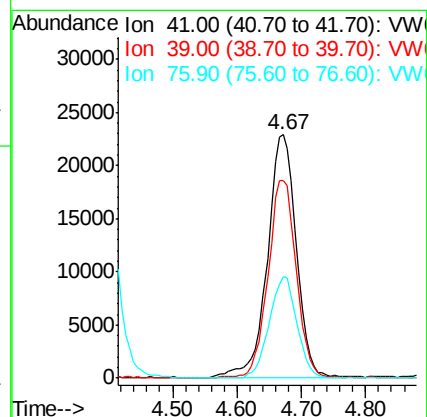
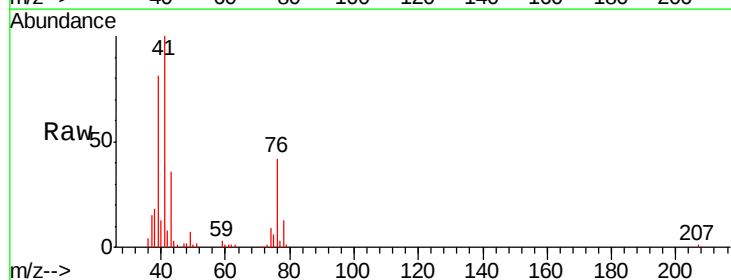
Tgt Ion: 41 Resp: 71896

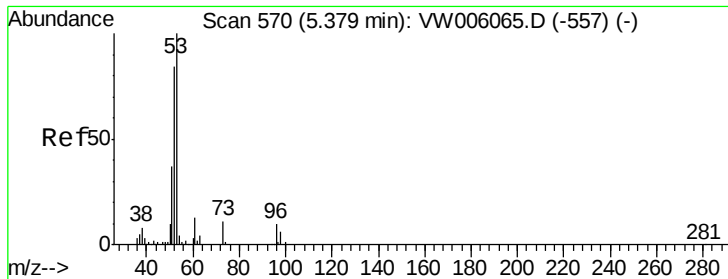
Ion Ratio Lower Upper

41 100

39 79.8 64.1 96.1

76 39.7 32.2 48.4

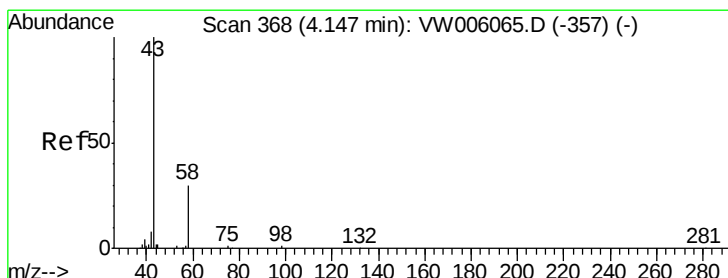
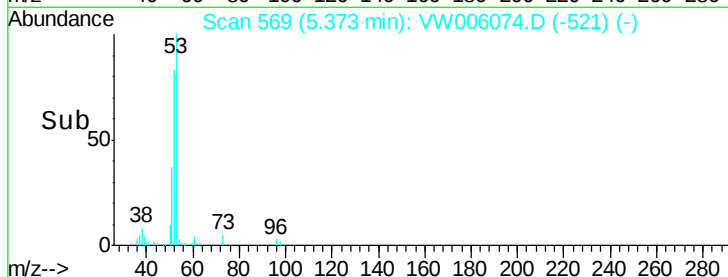
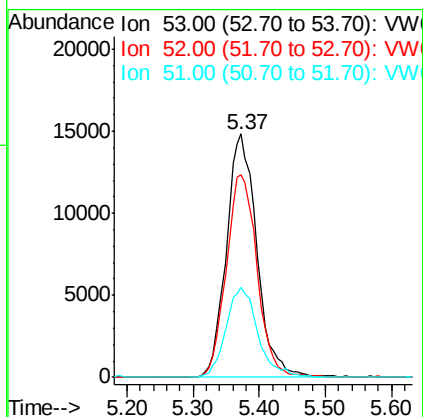
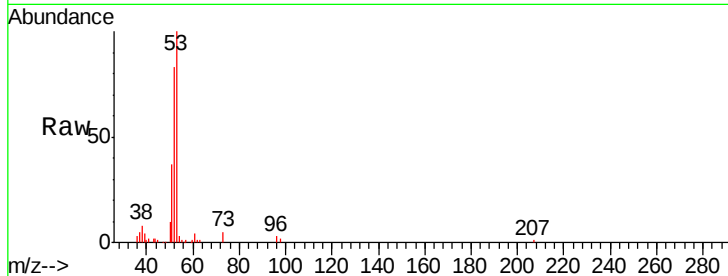




#15
 Acrylonitrile
 Concen: 96.91 ug/l
 RT: 5.37 min Scan# 569
 Delta R.T. -0.01 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

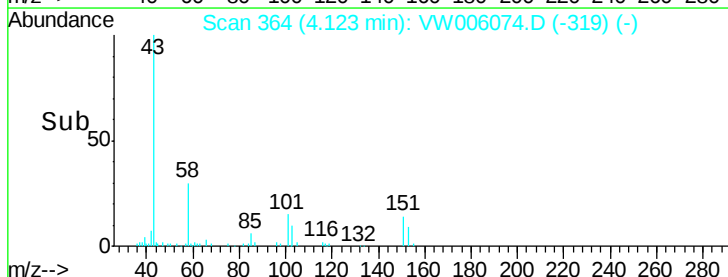
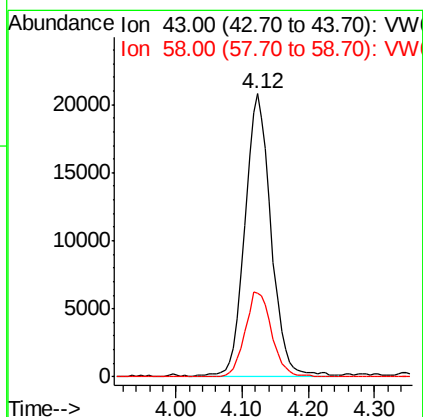
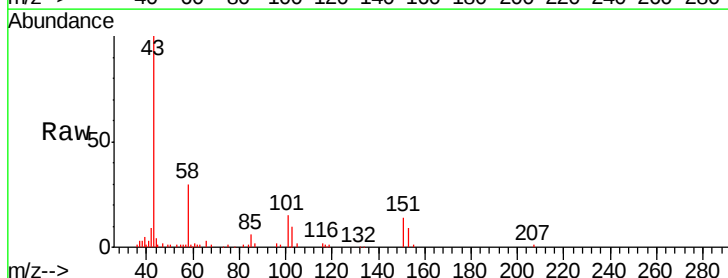
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

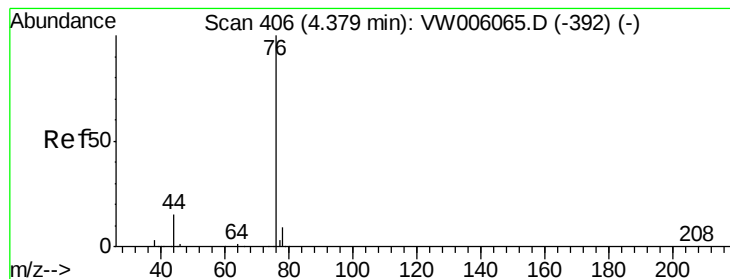
Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.9	100.3
51	38.5	30.1	45.1



#16
 Acetone
 Concen: 112.96 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. -0.02 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0





#17

Carbon Disulfide

Concen: 19.71 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

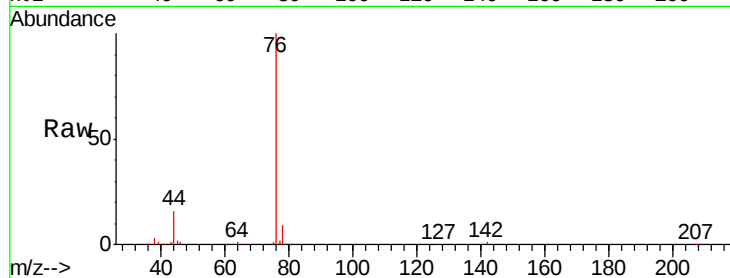
VW1016SBSD01

Tgt Ion: 76 Resp: 150404

Ion Ratio Lower Upper

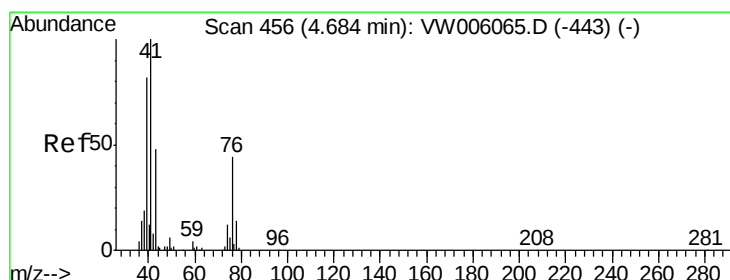
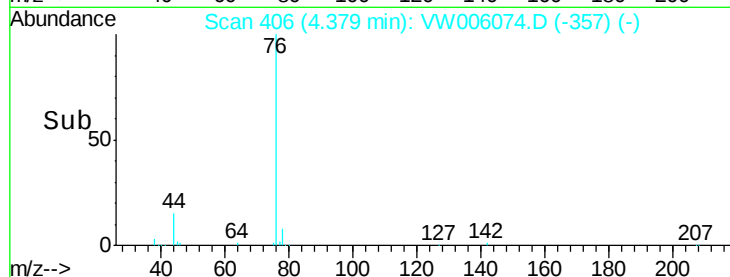
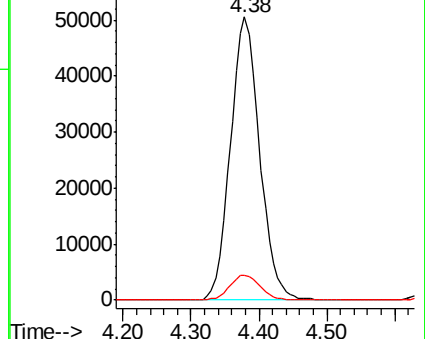
76 100

78 9.0 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 18.86 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW006074.D

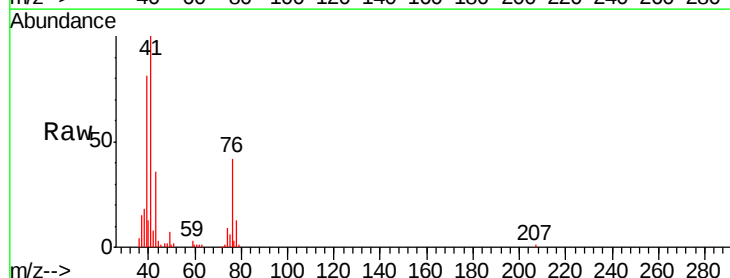
Acq: 16 Oct 2018 13:18

Tgt Ion: 43 Resp: 23814

Ion Ratio Lower Upper

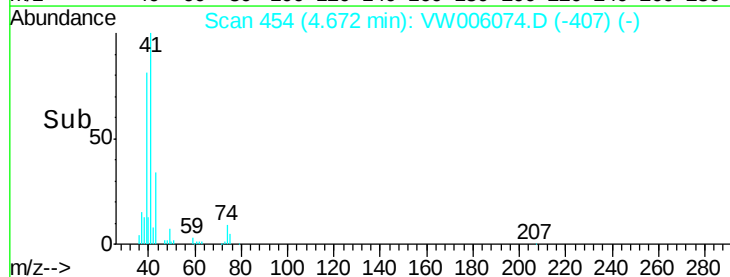
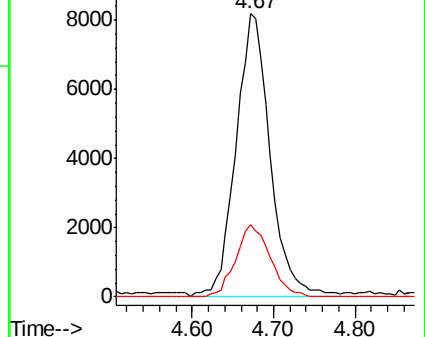
43 100

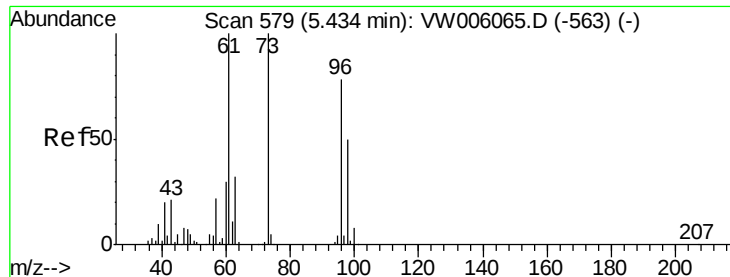
74 25.7 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

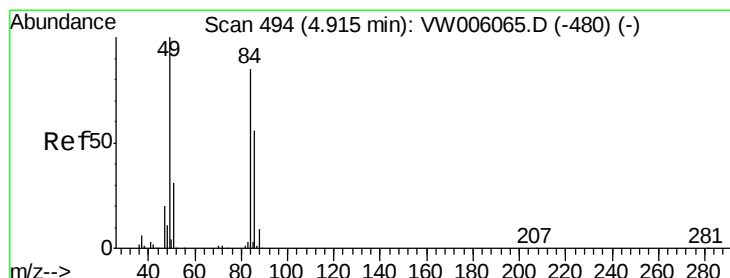
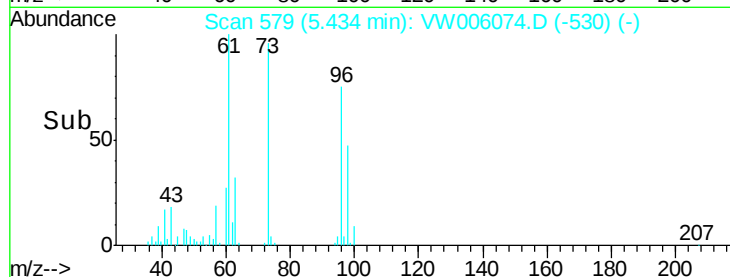
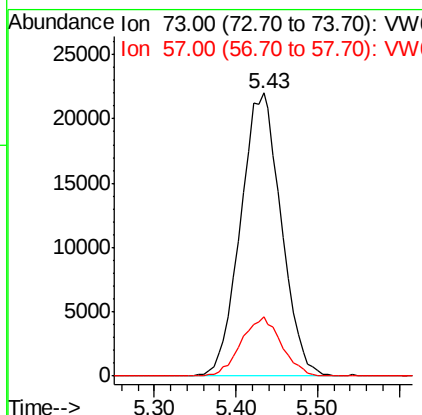
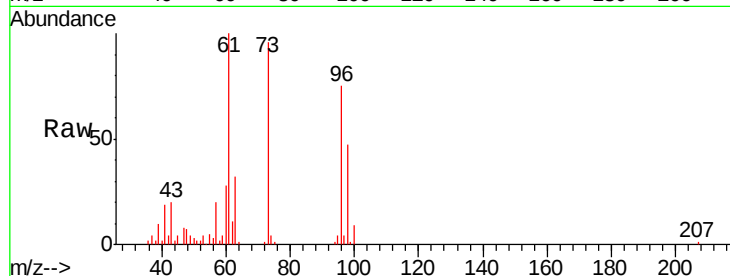




#19
Methyl tert-butyl Ether
Concen: 19.77 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

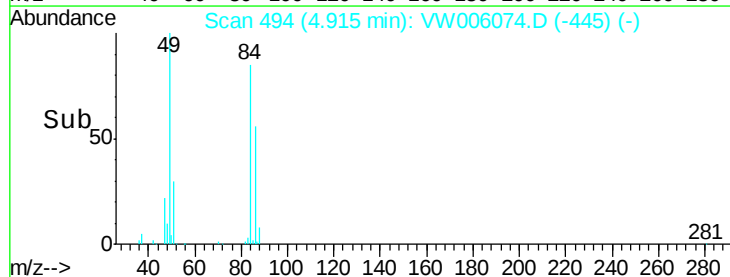
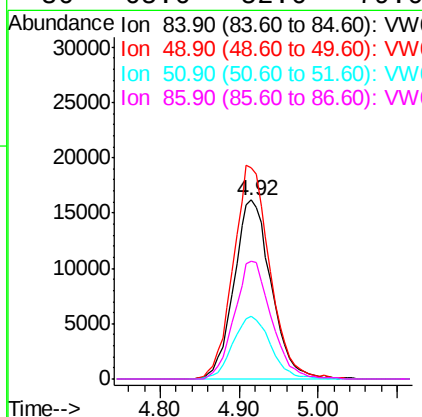
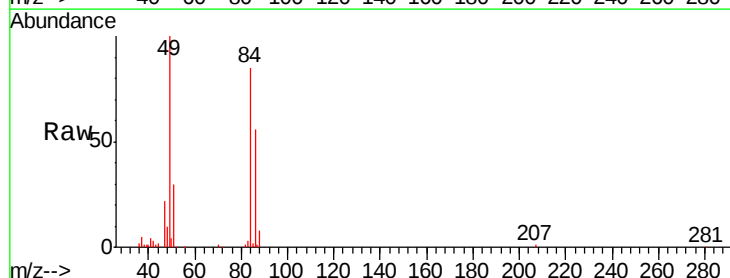
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

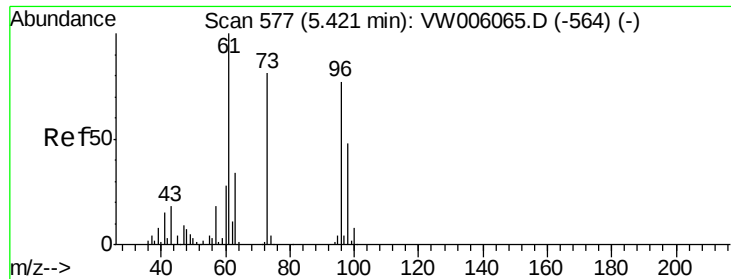
Tgt Ion: 73 Resp: 76129
Ion Ratio Lower Upper
73 100
57 20.9 17.4 26.2



#20
Methylene Chloride
Concen: 18.98 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 84 Resp: 53056
Ion Ratio Lower Upper
84 100
49 118.2 93.6 140.4
51 34.9 29.0 43.4
86 65.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.75 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

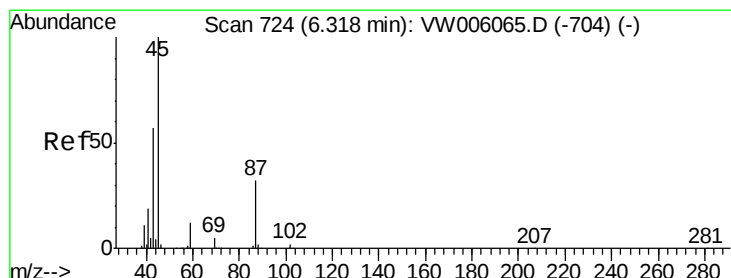
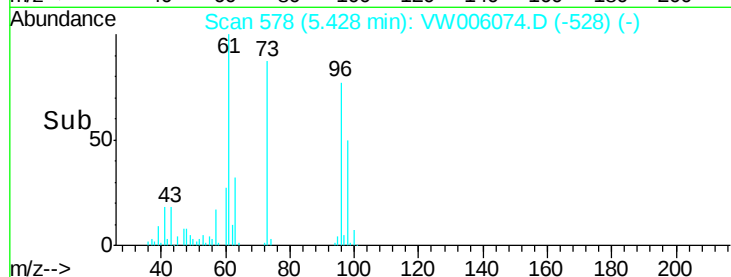
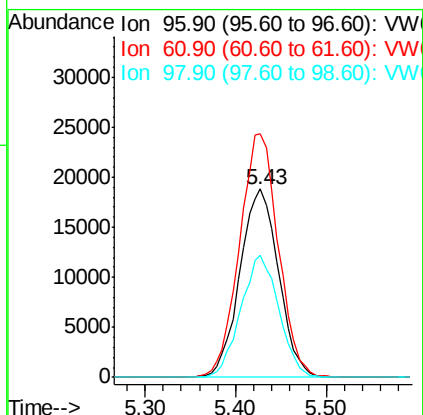
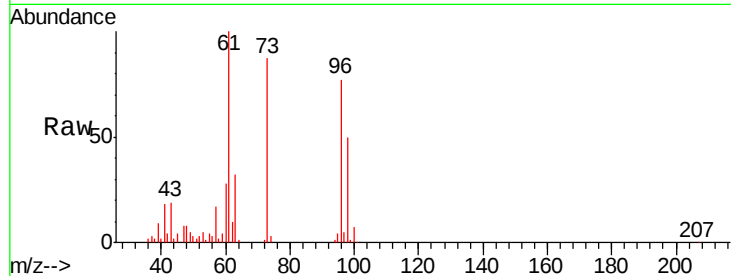
Tgt Ion: 96 Resp: 55734

Ion Ratio Lower Upper

96 100

61 129.4 104.5 156.7

98 65.0 50.6 75.8



#22

Diisopropyl ether

Concen: 19.95 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Tgt Ion: 45 Resp: 142518

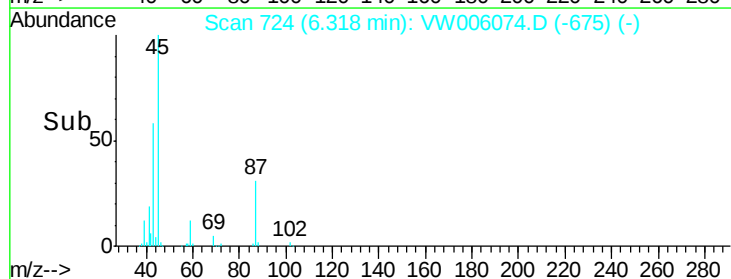
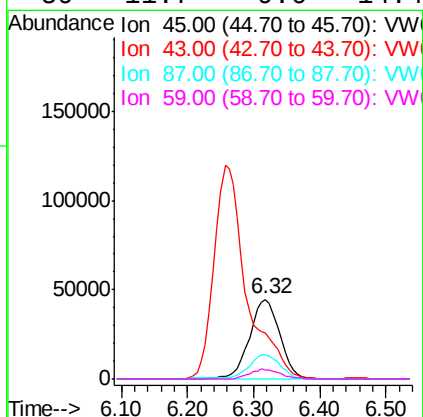
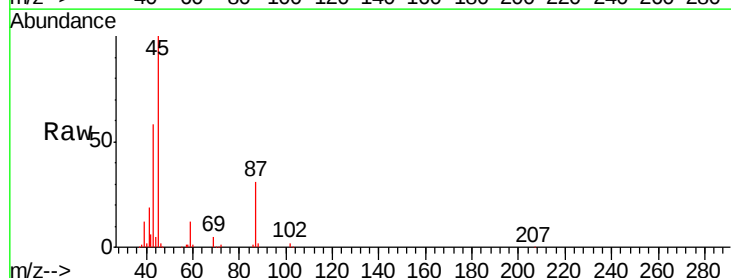
Ion Ratio Lower Upper

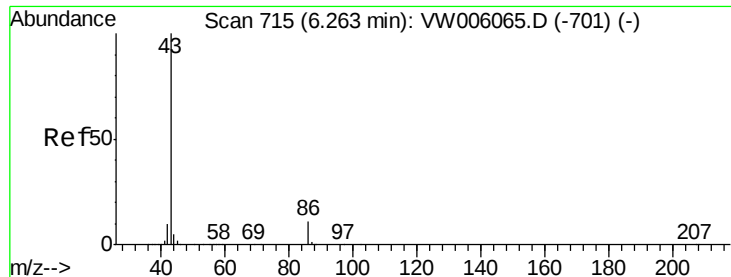
45 100

43 57.7 45.7 68.5

87 30.5 25.9 38.9

59 11.7 9.6 14.4





#23

Vinyl Acetate

Concen: 96.81 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

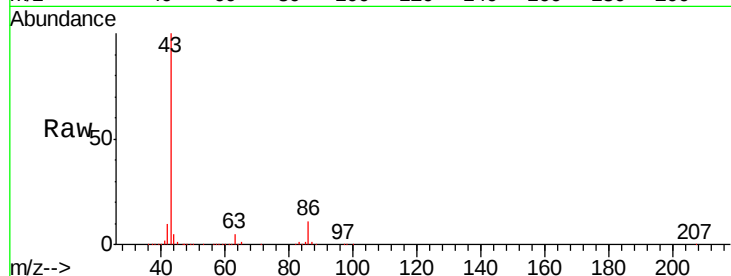
VW1016SBSD01

Tgt Ion: 43 Resp: 408124

Ion Ratio Lower Upper

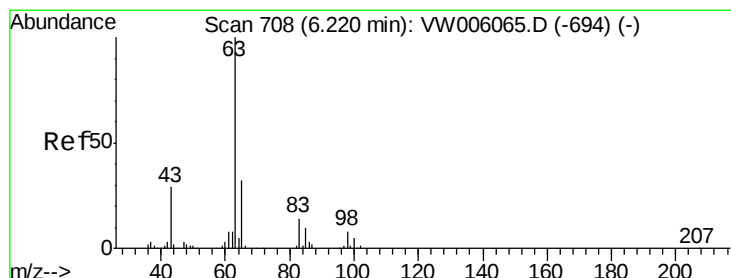
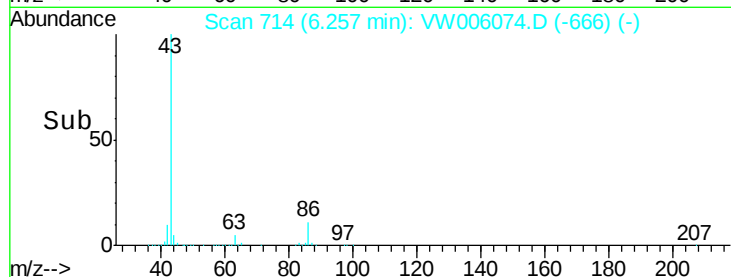
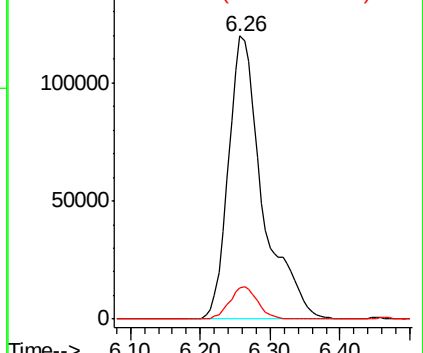
43 100

86 11.2 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.83 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

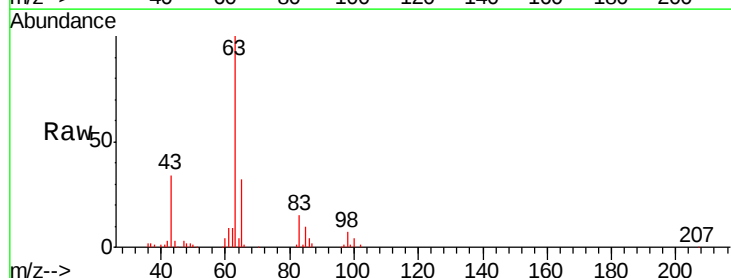
Tgt Ion: 63 Resp: 91419

Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.2

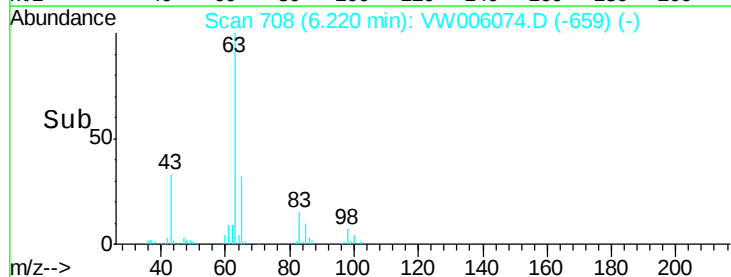
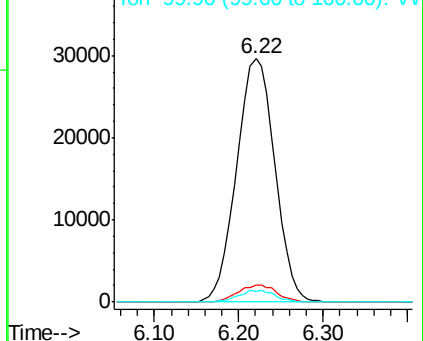
100 4.4 2.5 7.5

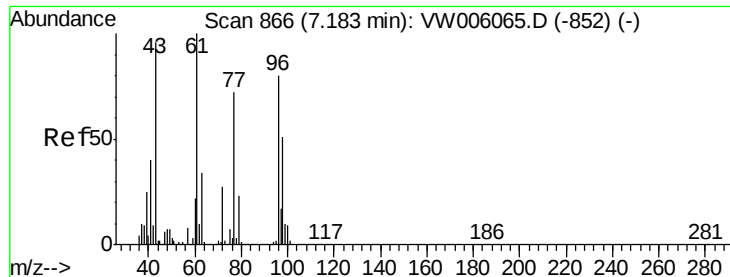


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 103.06 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

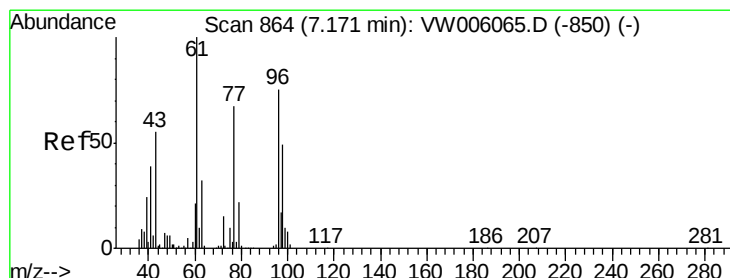
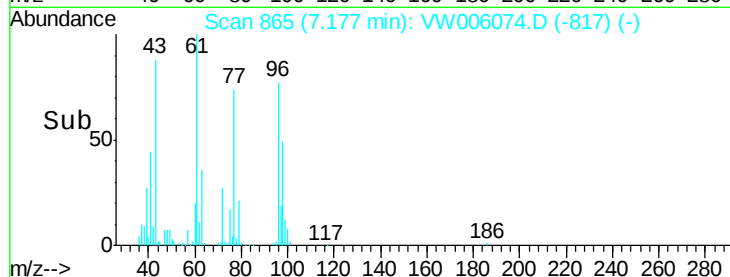
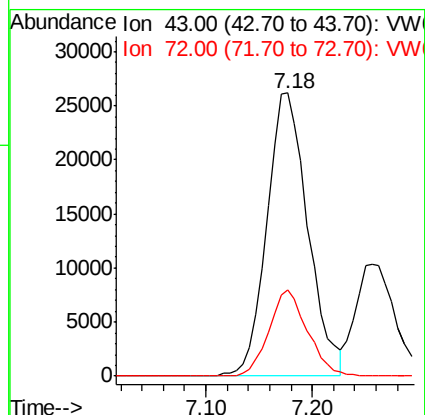
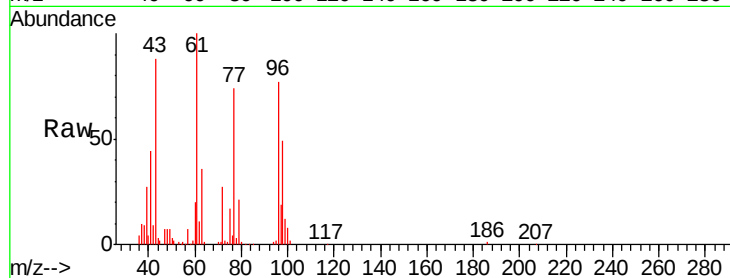
VW1016SBS01

Tgt Ion: 43 Resp: 69842

Ion Ratio Lower Upper

43 100

72 30.4 22.8 34.2



#26

2,2-Dichloropropane

Concen: 21.13 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006074.D

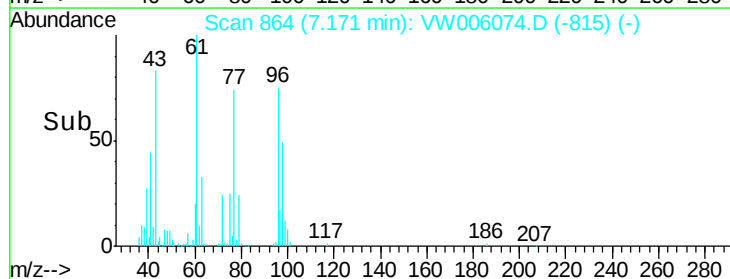
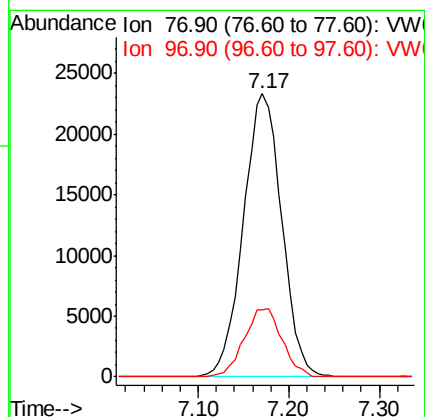
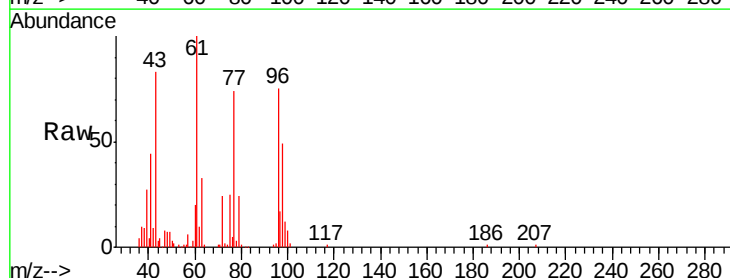
Acq: 16 Oct 2018 13:18

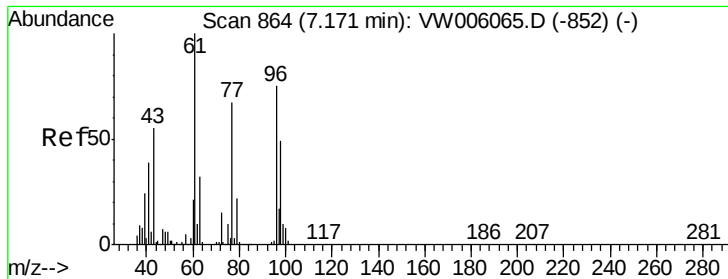
Tgt Ion: 77 Resp: 68678

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.4





#27

cis-1,2-Dichloroethene

Concen: 19.71 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

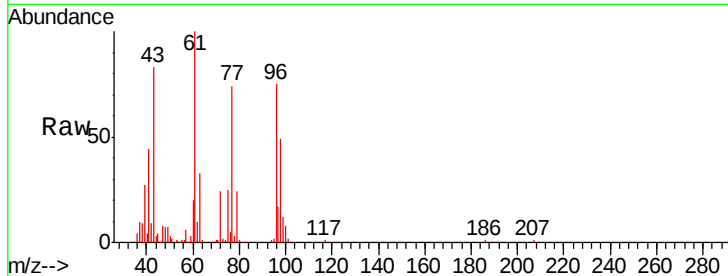
Tgt Ion: 96 Resp: 61370

Ion Ratio Lower Upper

96 100

61 136.9 0.0 267.2

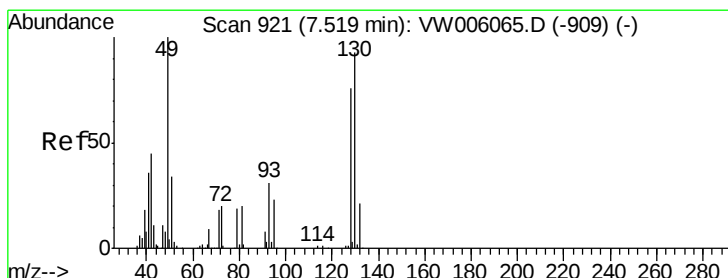
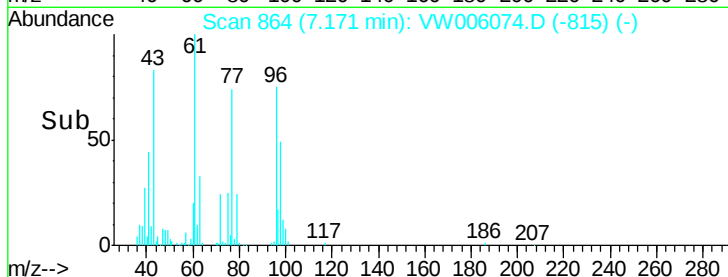
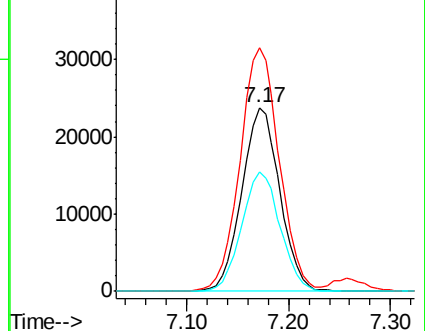
98 65.9 0.0 128.6



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: 16.09 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

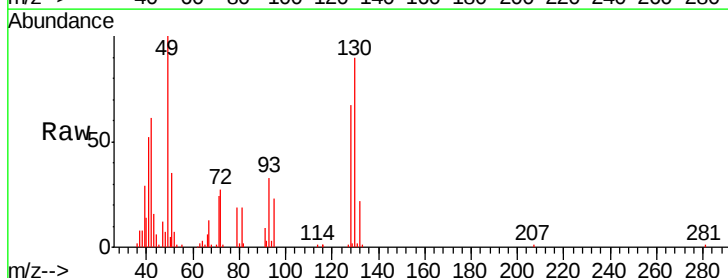
Tgt Ion: 49 Resp: 28639

Ion Ratio Lower Upper

49 100

129 2.4 0.0 5.0

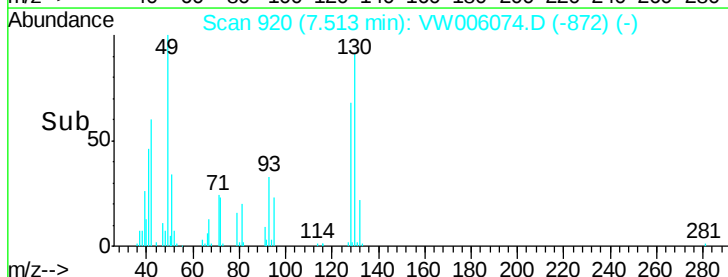
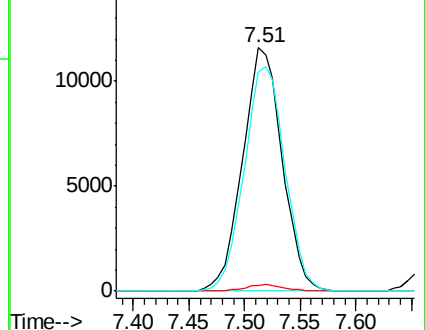
130 95.1 73.8 110.8

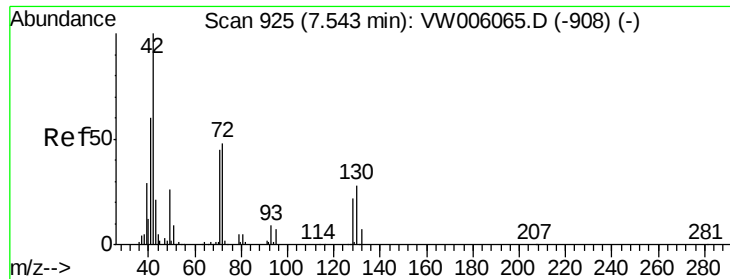


Abundance Ion 48.90 (48.60 to 49.60): VW

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 96.03 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

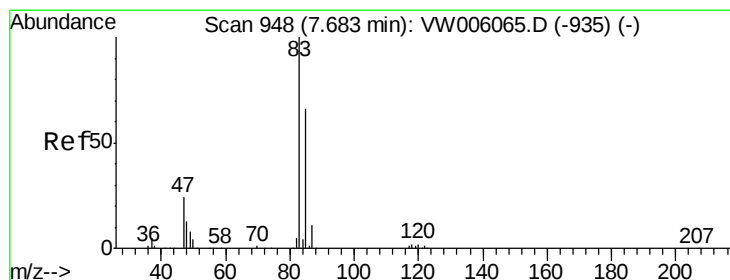
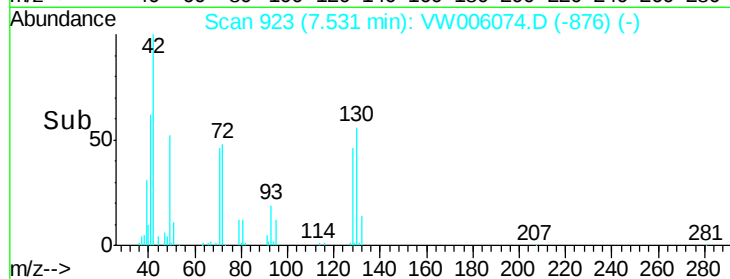
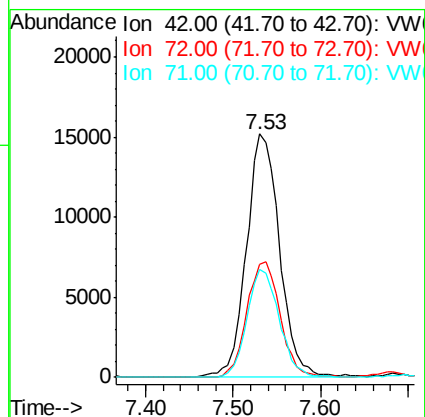
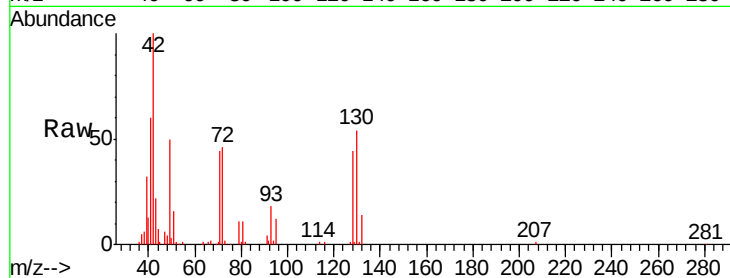
Tgt Ion: 42 Resp: 40003

Ion Ratio Lower Upper

42 100

72 47.7 38.0 57.0

71 43.3 35.3 52.9



#30

Chloroform

Concen: 19.71 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.01 min

Lab File: VW006074.D

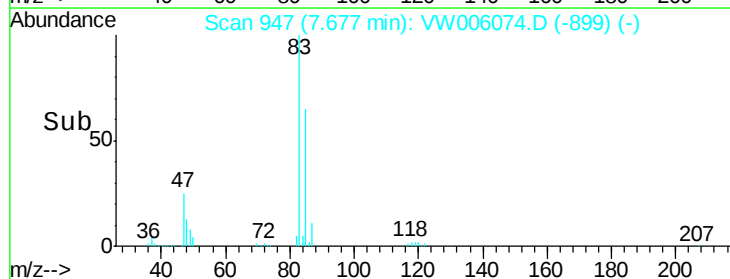
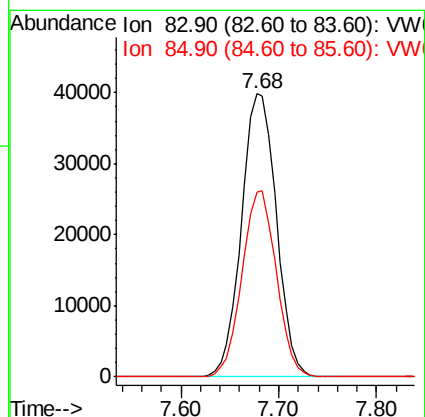
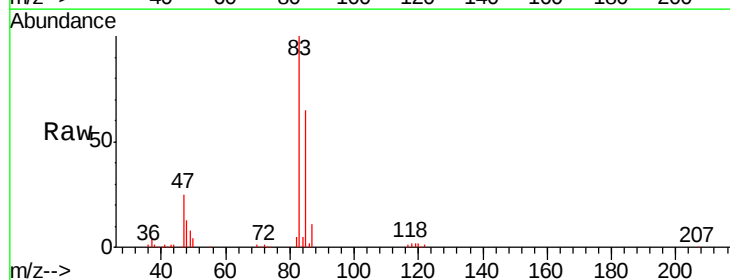
Acq: 16 Oct 2018 13:18

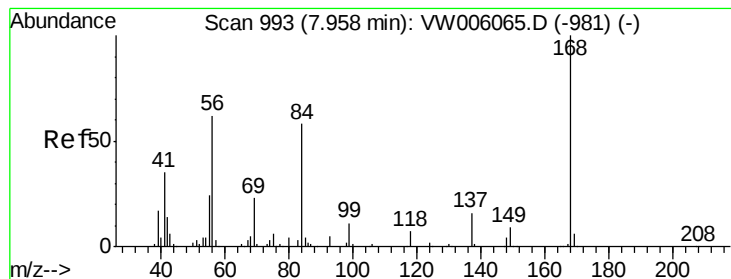
Tgt Ion: 83 Resp: 98974

Ion Ratio Lower Upper

83 100

85 65.4 52.6 79.0





#31

Cyclohexane

Concen: 19.87 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

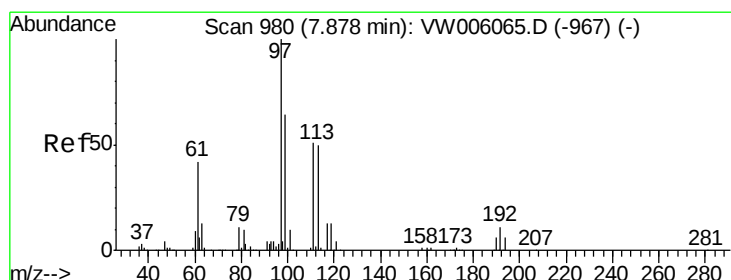
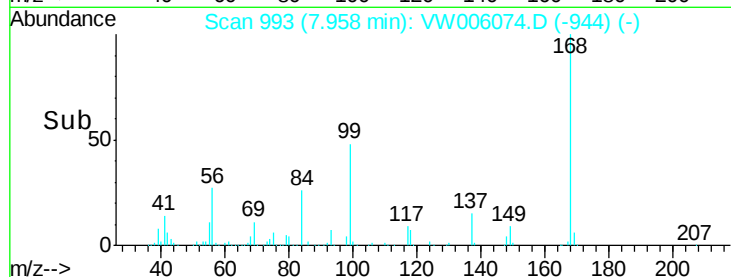
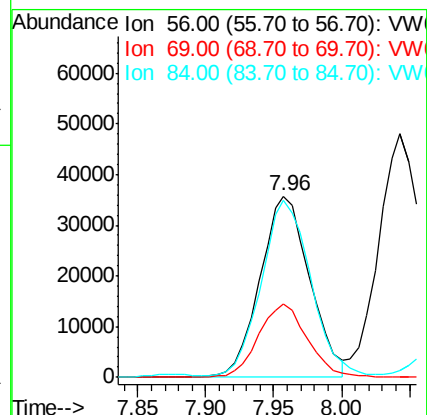
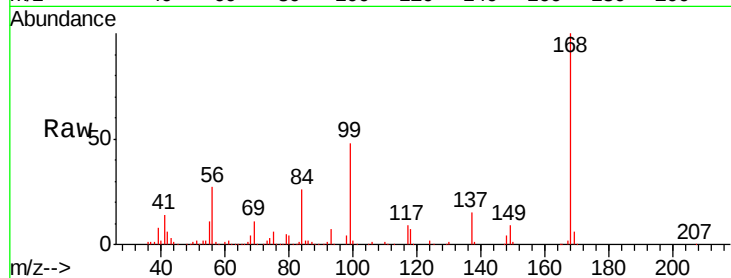
Tgt Ion: 56 Resp: 91213

Ion Ratio Lower Upper

56 100

69 40.4 29.4 44.0

84 96.3 74.0 111.0



#32

1,1,1-Trichloroethane

Concen: 20.13 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

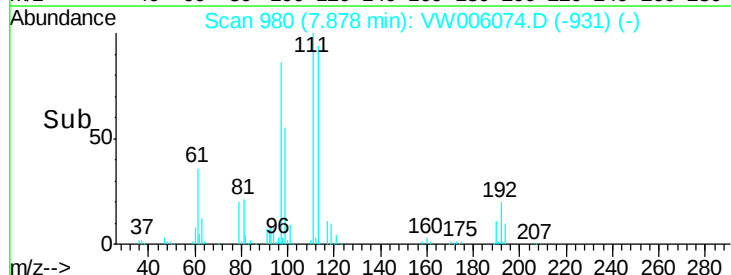
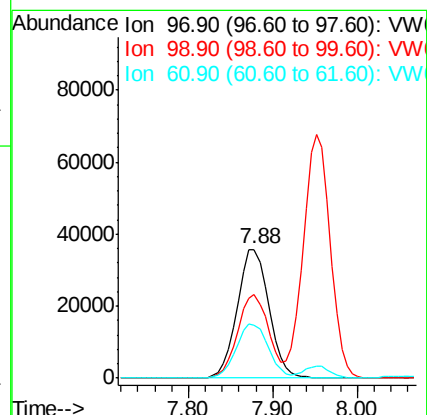
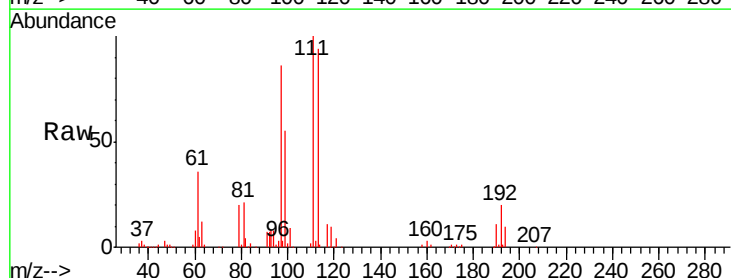
Tgt Ion: 97 Resp: 91200

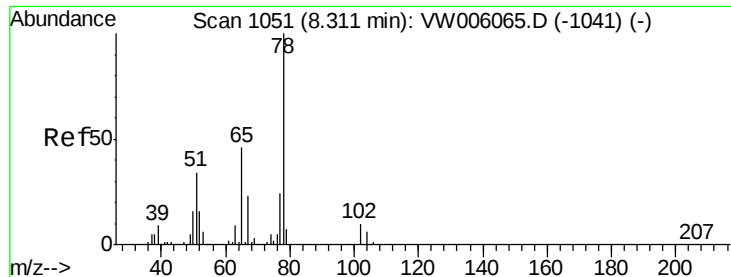
Ion Ratio Lower Upper

97 100

99 62.9 50.9 76.3

61 42.4 33.7 50.5

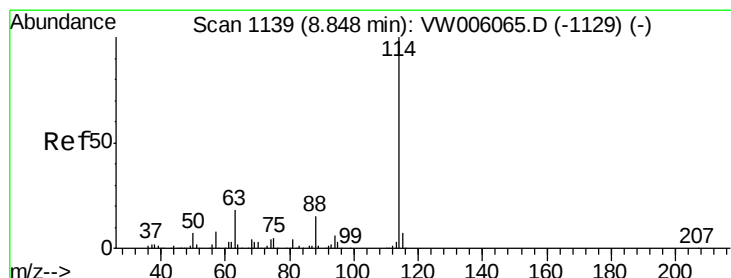
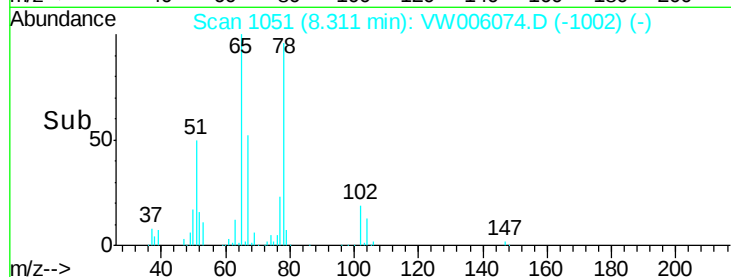
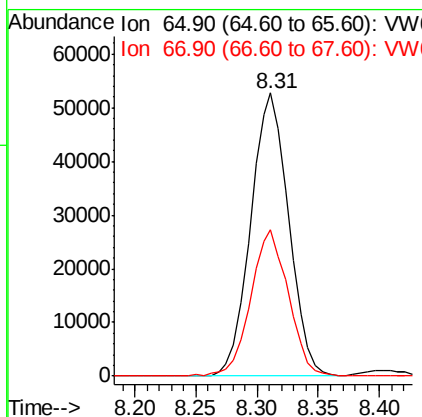
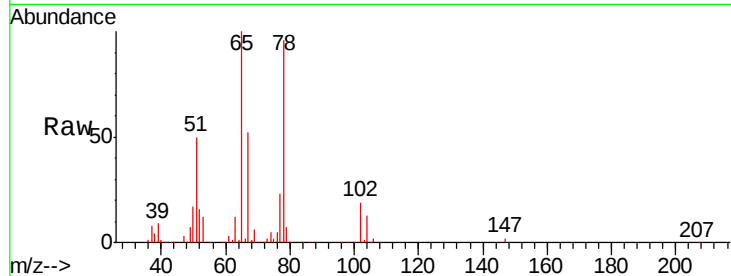




#33
 1,2-Dichloroethane-d4
 Concen: 45.38 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

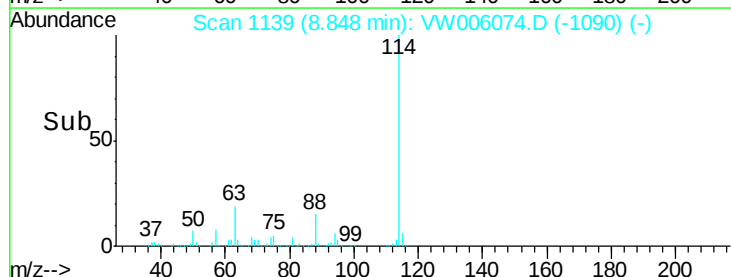
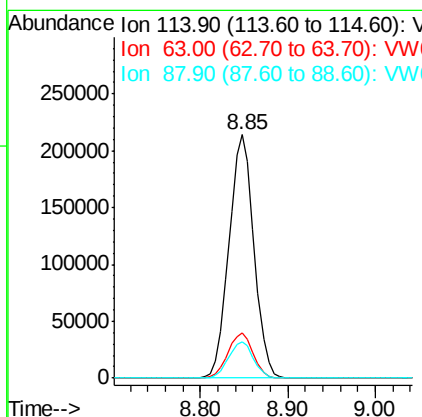
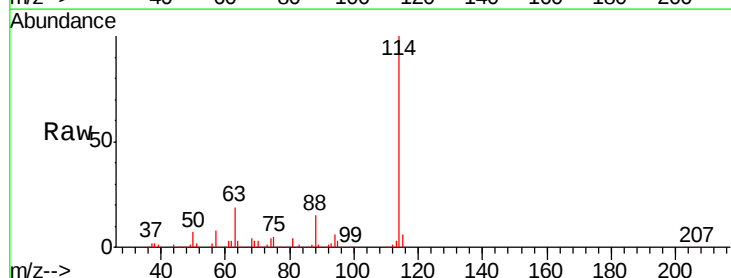
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

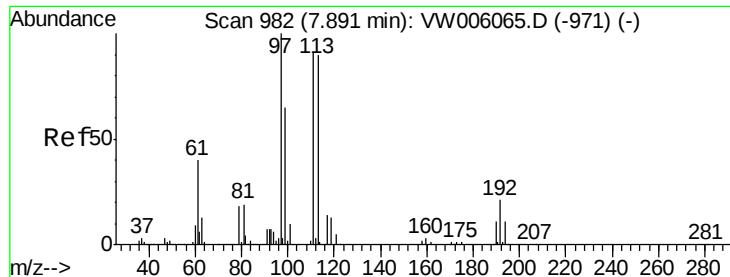
Tgt Ion: 65 Resp: 113827
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 101.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion: 114 Resp: 422959
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 36.8
 88 14.8 0.0 29.0

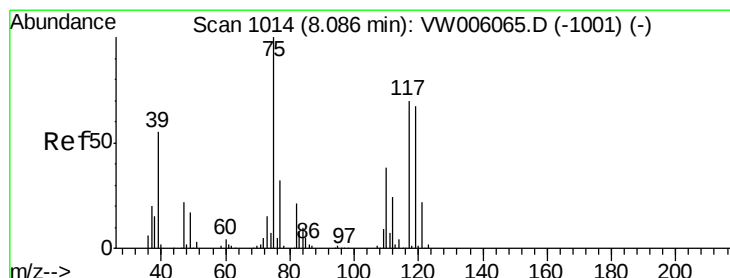
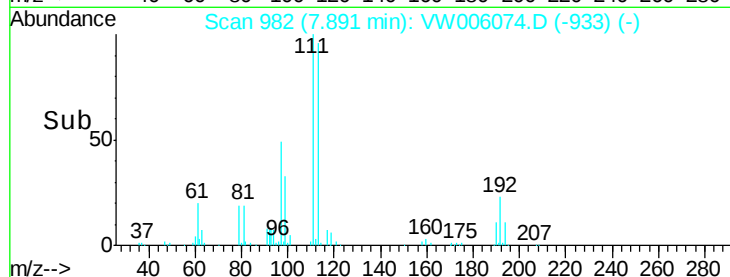
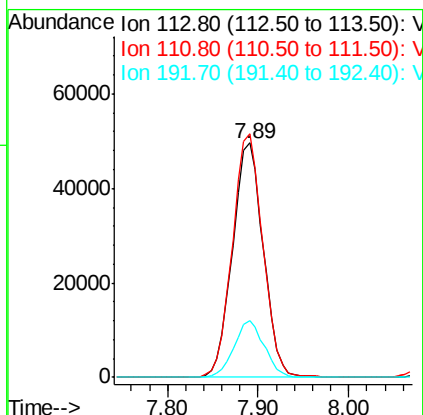
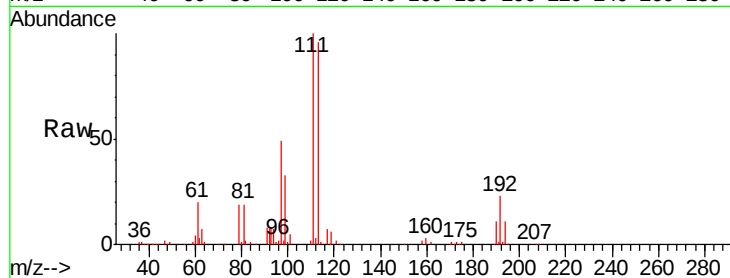




#35
 Dibromofluoromethane
 Concen: 46.82 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

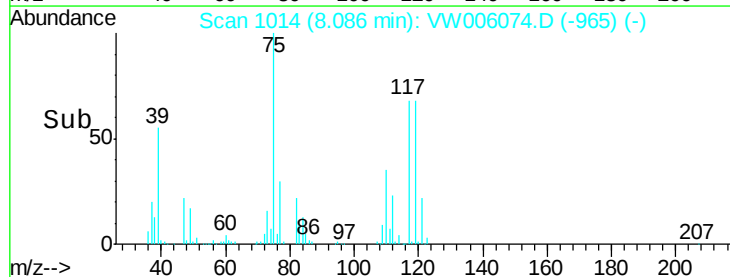
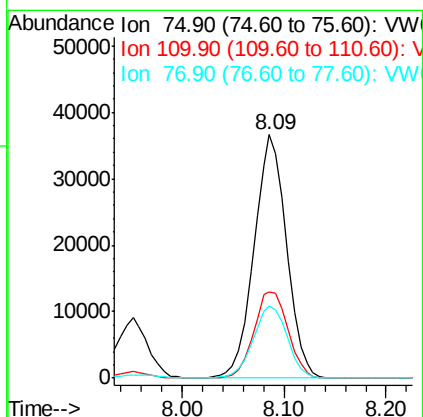
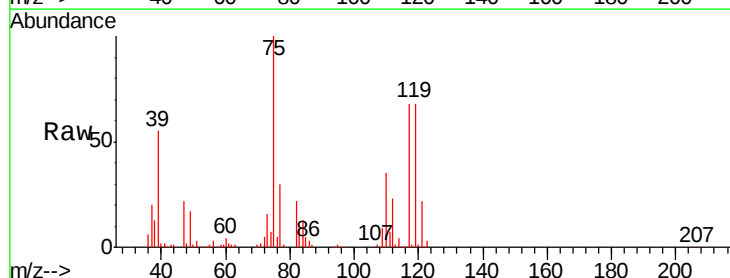
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

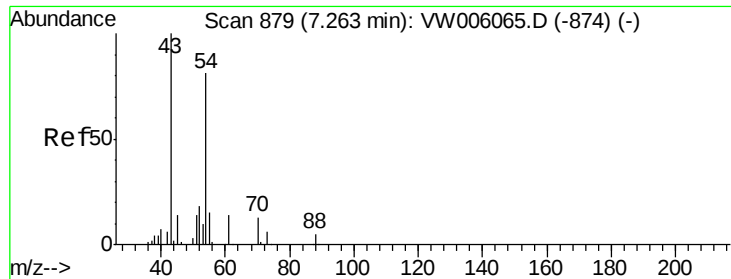
Tgt Ion: 113 Resp: 117014
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 23.4 18.7 28.1



#36
 1,1-Dichloropropene
 Concen: 20.77 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. 0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion: 75 Resp: 80986
 Ion Ratio Lower Upper
 75 100
 110 37.4 19.1 57.1
 77 31.3 25.0 37.4

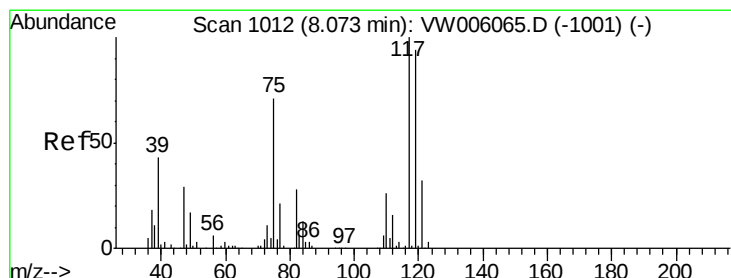
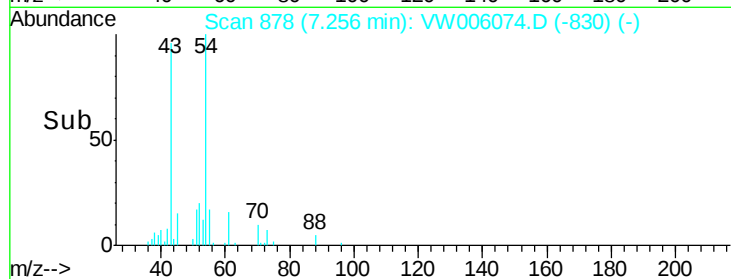
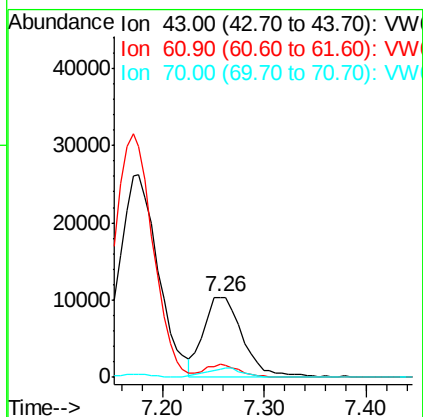
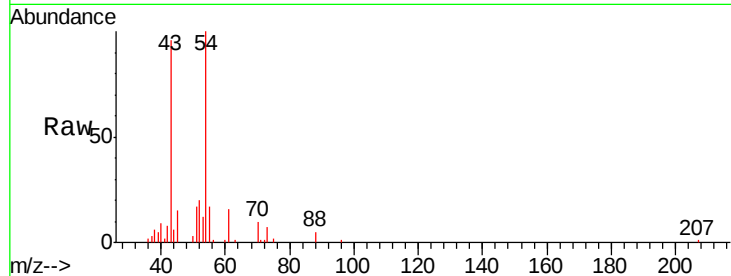




#37
 Ethyl Acetate
 Concen: 18.67 ug/l
 RT: 7.26 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

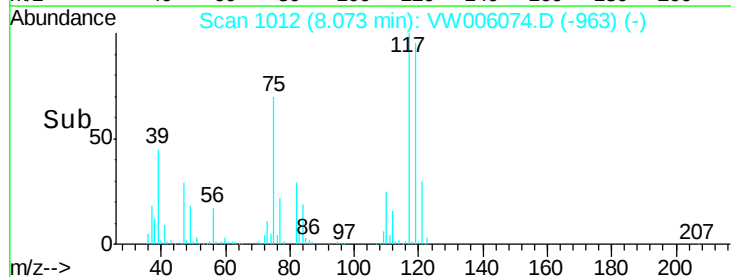
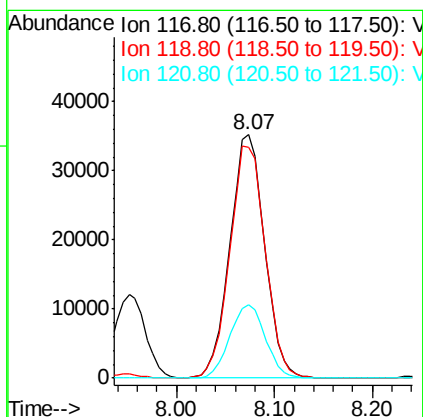
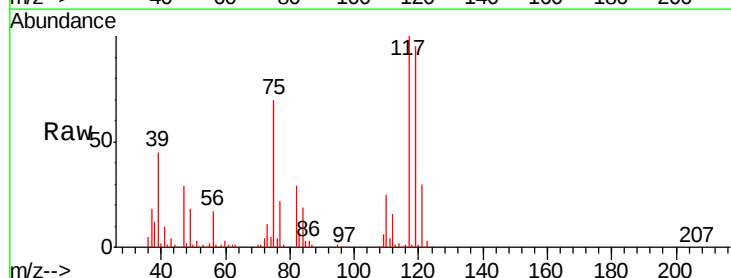
Instrument :
 MSVOA_W
 ClientSampled :
 VW1016SBS01

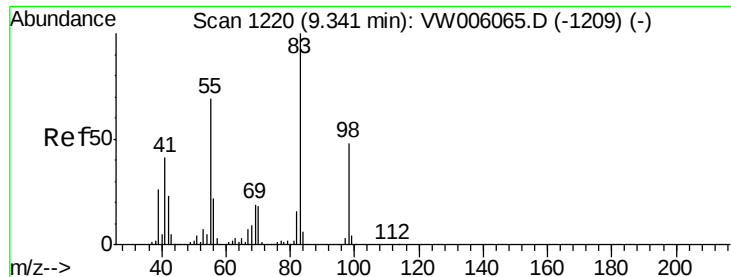
Tgt Ion: 43 Resp: 27043
 Ion Ratio Lower Upper
 43 100
 61 14.4 11.5 17.3
 70 11.2 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 20.25 ug/l
 RT: 8.07 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion: 117 Resp: 86564
 Ion Ratio Lower Upper
 117 100
 119 95.0 75.2 112.8
 121 30.0 25.3 37.9

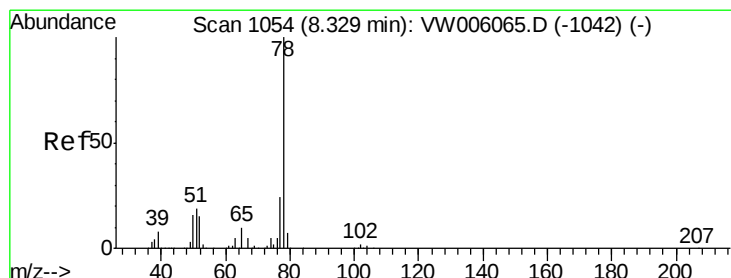
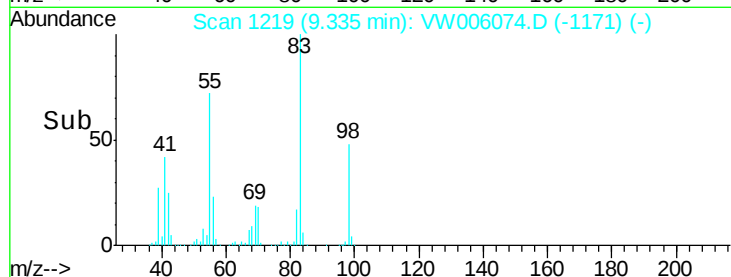
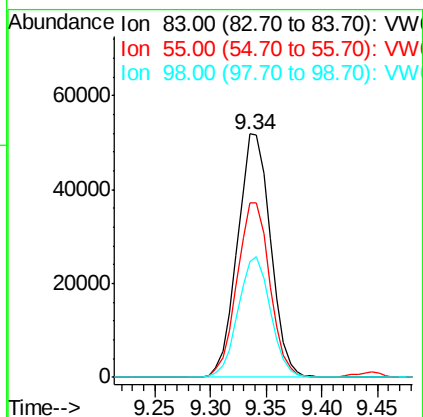
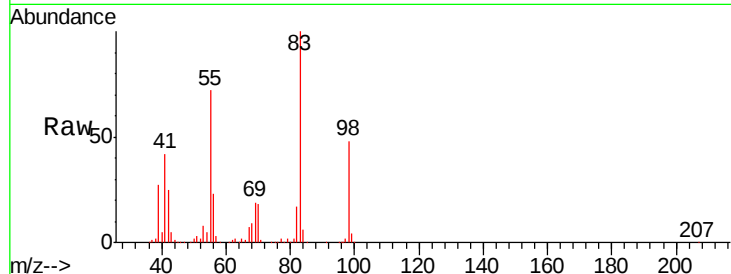




#39
Methylcyclohexane
Concen: 20.70 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

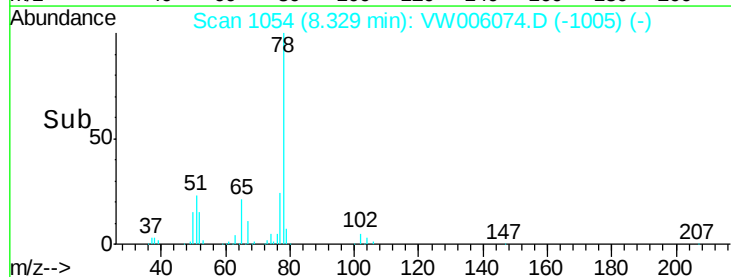
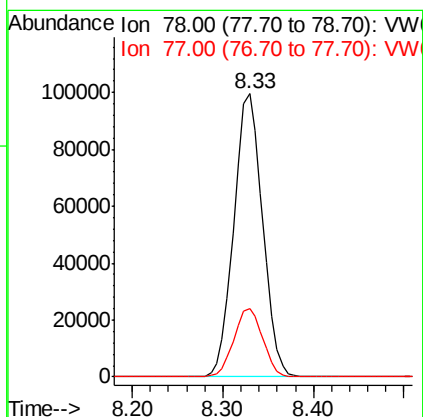
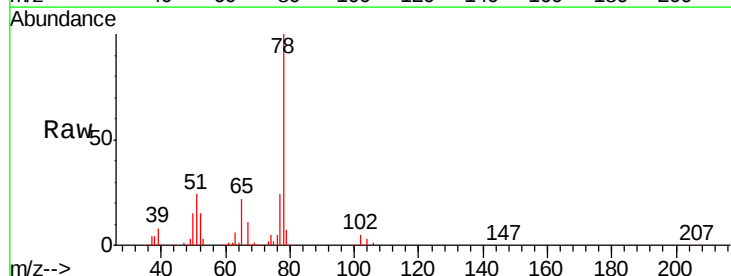
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

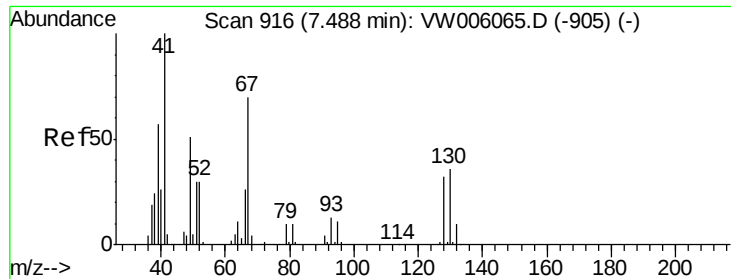
Tgt Ion: 83 Resp: 107261
Ion Ratio Lower Upper
83 100
55 71.7 55.0 82.6
98 47.7 38.6 57.8



#40
Benzene
Concen: 20.44 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 78 Resp: 218606
Ion Ratio Lower Upper
78 100
77 23.9 19.4 29.0

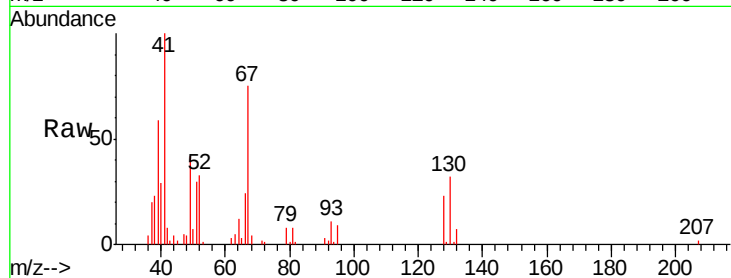




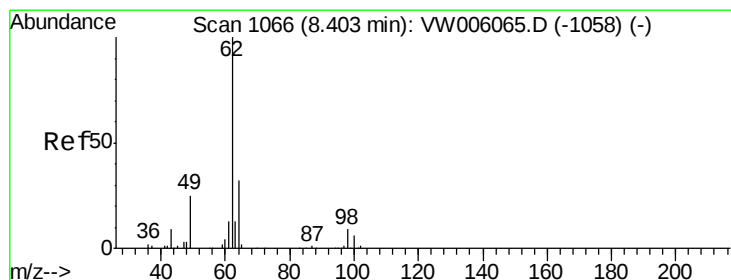
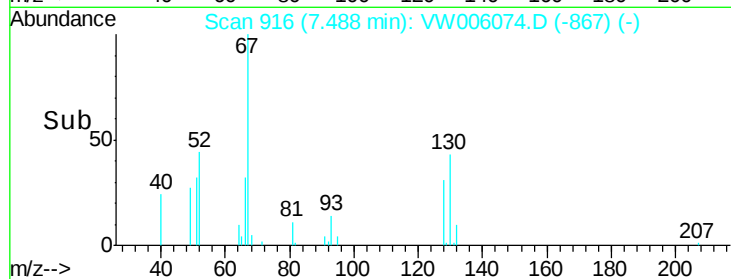
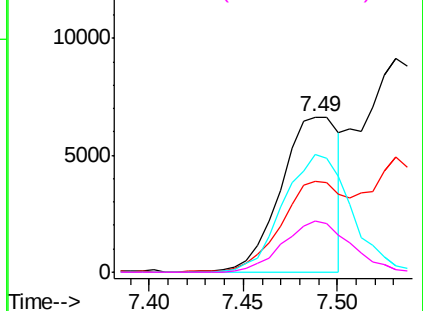
#41
Methacrylonitrile
Concen: 16.25 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

Tgt Ion: 41 Resp: 14191
Ion Ratio Lower Upper
41 100
39 66.2 46.2 69.4
67 88.9 57.7 86.5#
52 38.9 24.7 37.1#

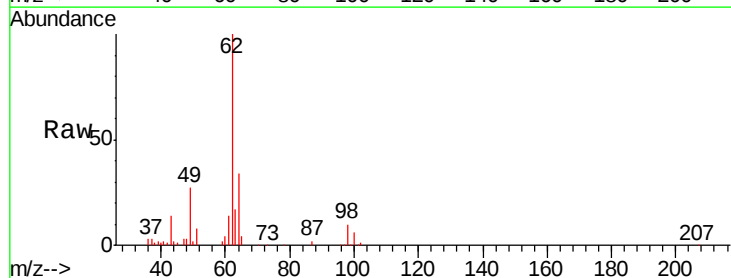


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

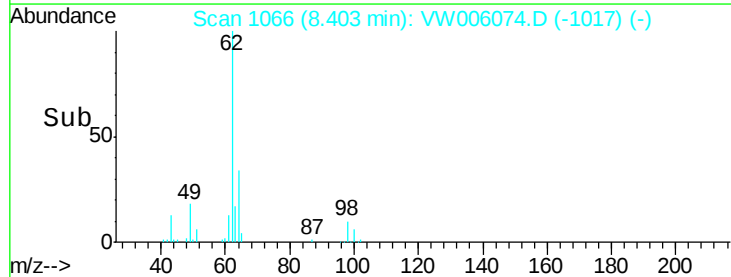
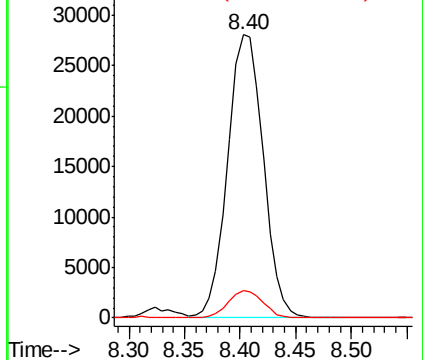


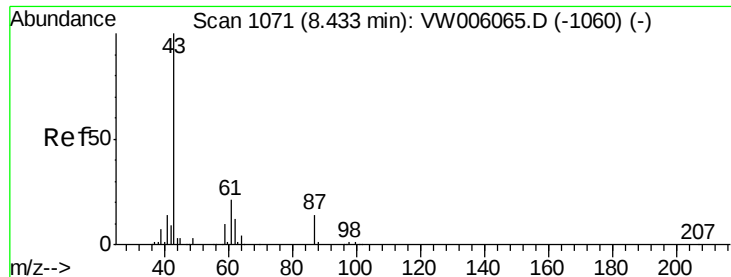
#42
1,2-Dichloroethane
Concen: 19.88 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 62 Resp: 62449
Ion Ratio Lower Upper
62 100
98 9.3 0.0 18.4



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





#43

Isopropyl Acetate

Concen: 19.59 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

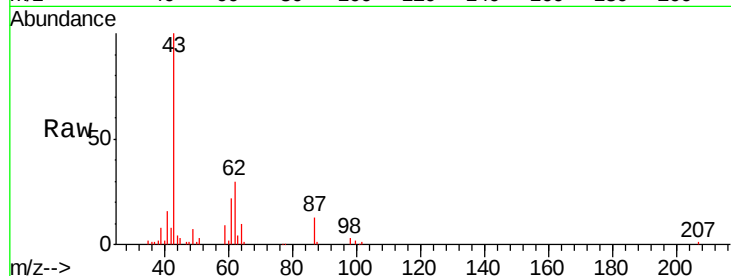
Tgt Ion: 43 Resp: 58002

Ion Ratio Lower Upper

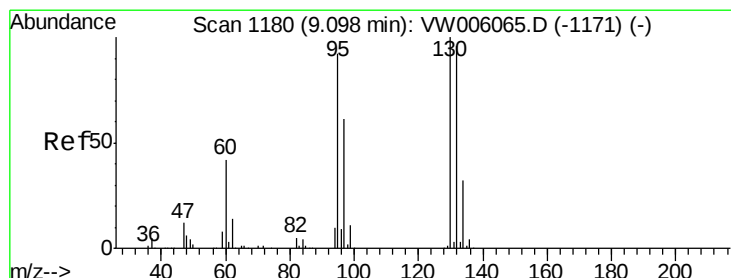
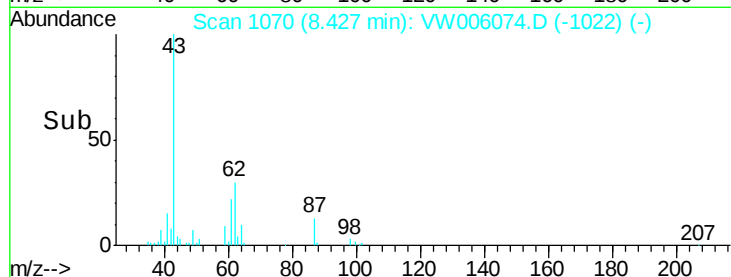
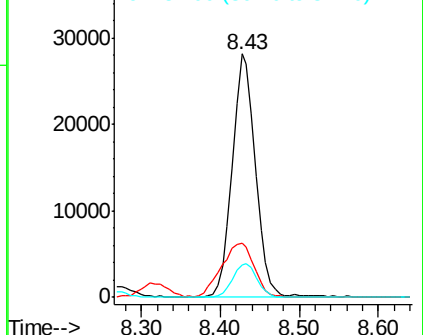
43 100

61 31.1 25.5 38.3

87 14.2 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 20.37 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VW006074.D

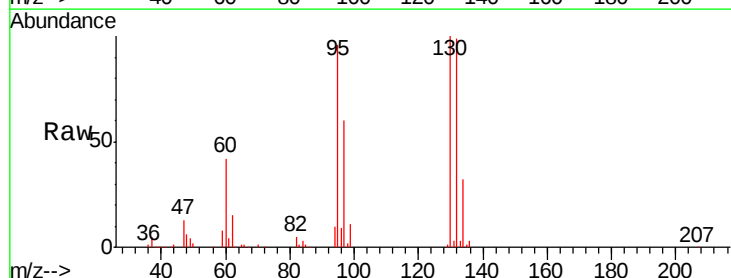
Acq: 16 Oct 2018 13:18

Tgt Ion: 130 Resp: 66843

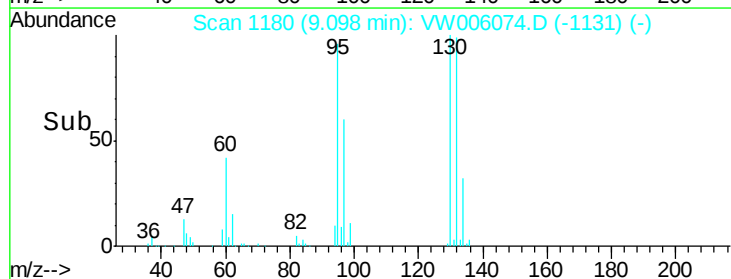
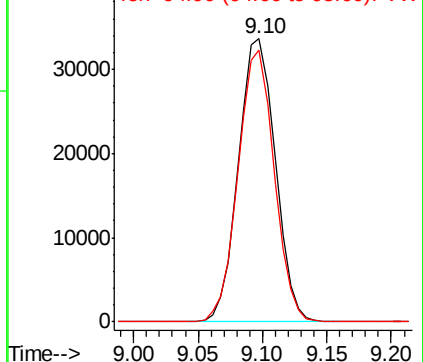
Ion Ratio Lower Upper

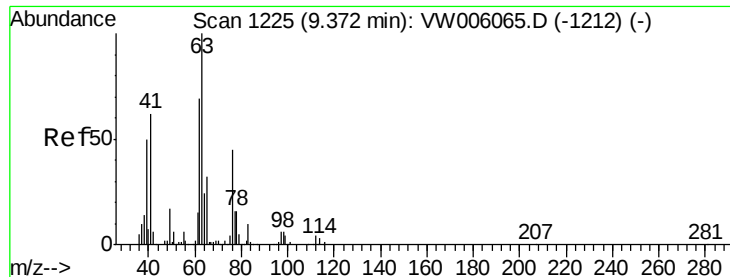
130 100

95 96.1 0.0 183.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW





#45

1,2-Dichloropropane

Concen: 20.26 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

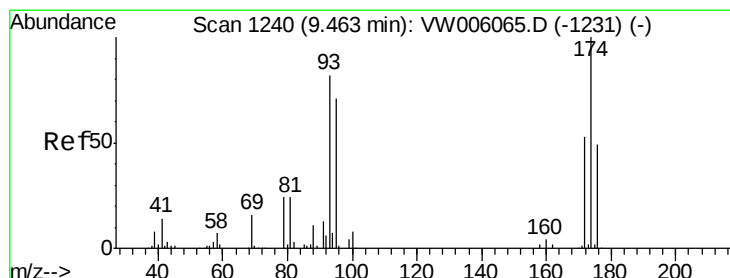
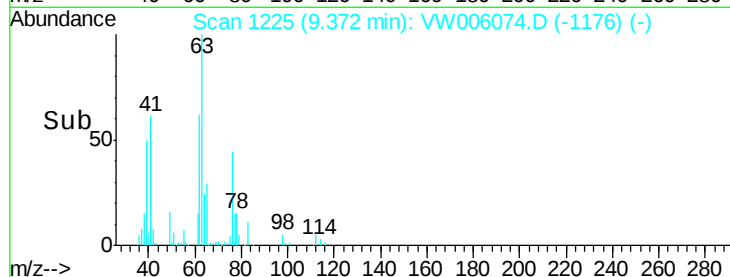
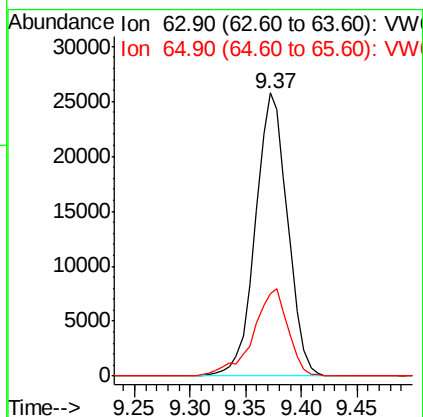
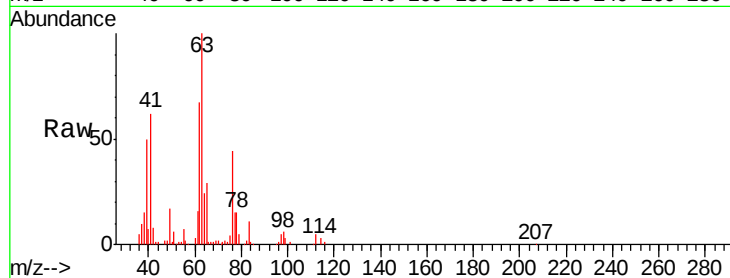
VW1016SBSD01

Tgt Ion: 63 Resp: 51838

Ion Ratio Lower Upper

63 100

65 29.1 25.4 38.0



#46

Dibromomethane

Concen: 19.68 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

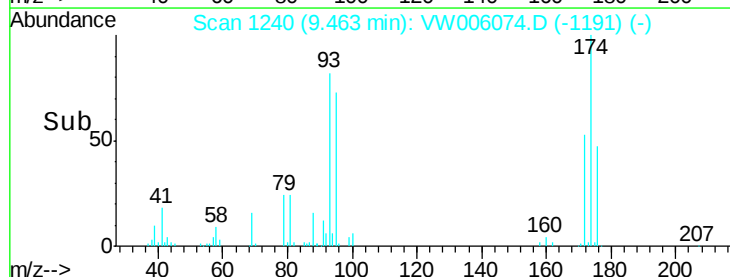
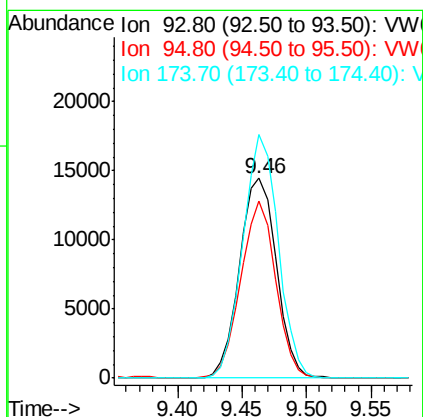
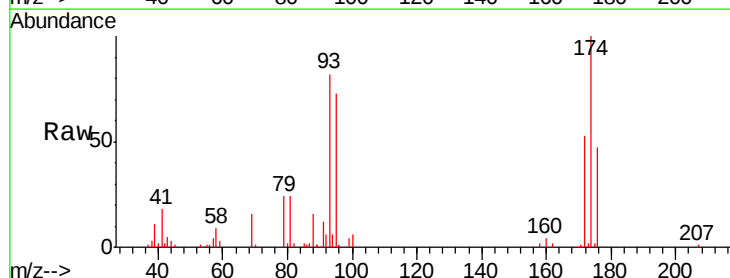
Tgt Ion: 93 Resp: 28708

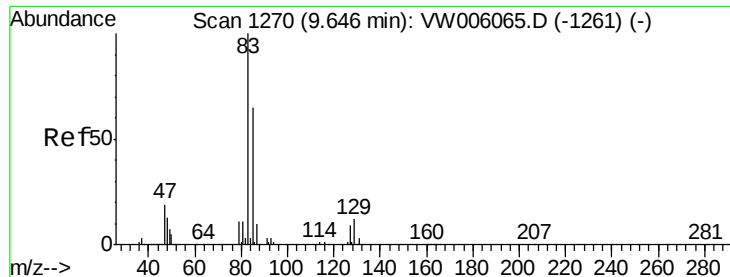
Ion Ratio Lower Upper

93 100

95 83.8 67.7 101.5

174 117.0 93.7 140.5





#47

Bromodichloromethane

Concen: 20.01 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

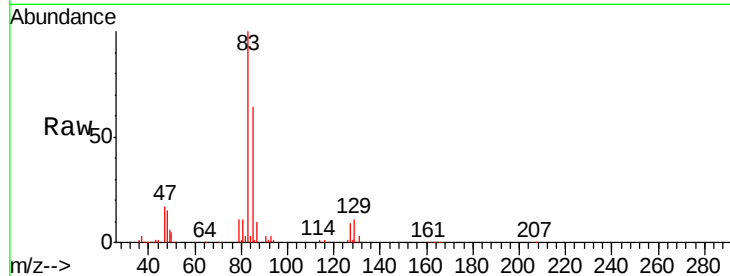
Tgt Ion: 83 Resp: 70763

Ion Ratio Lower Upper

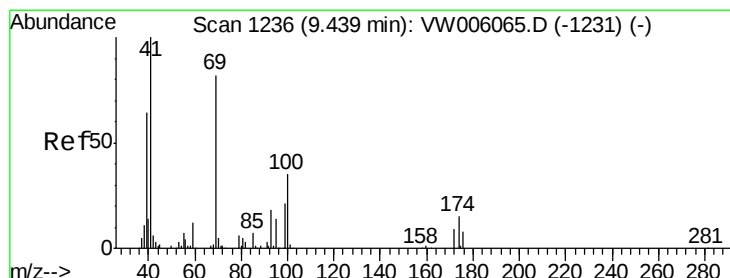
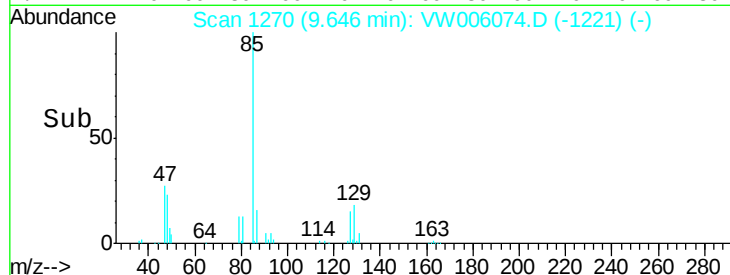
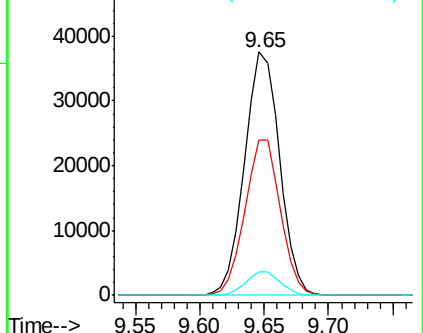
83 100

85 63.7 51.8 77.8

127 9.4 6.9 10.3



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



#48

Methyl methacrylate

Concen: 20.61 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

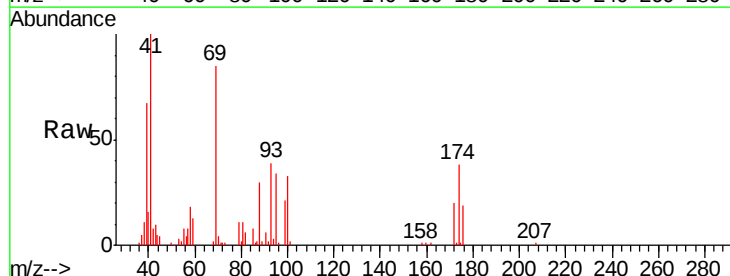
Tgt Ion: 41 Resp: 28935

Ion Ratio Lower Upper

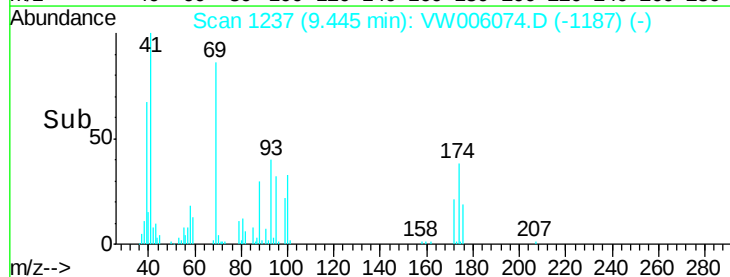
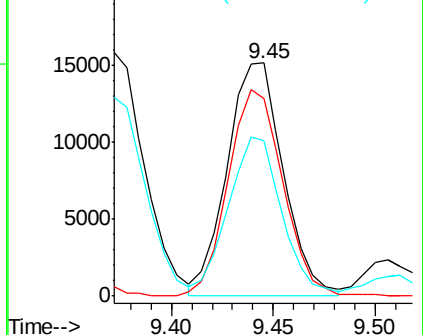
41 100

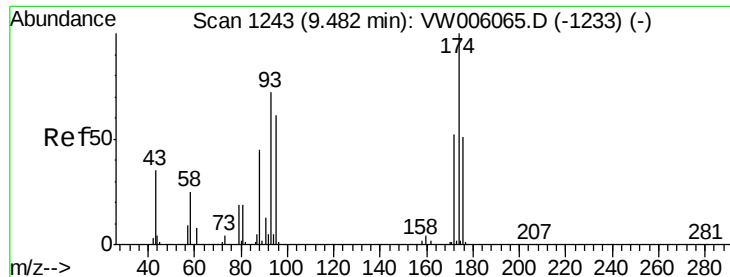
69 87.3 71.8 107.8

39 61.0 52.5 78.7



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: 407.74 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.04 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

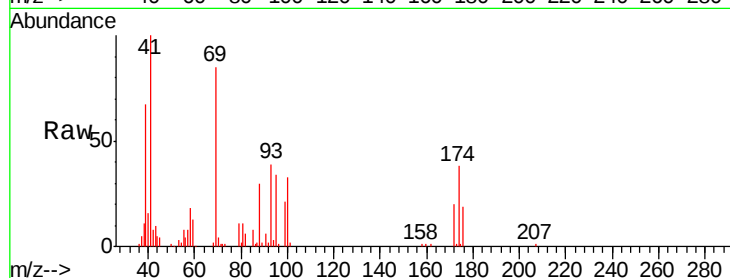
Tgt Ion: 88 Resp: 9155

Ion Ratio Lower Upper

88 100

43 33.7 0.0 0.0#

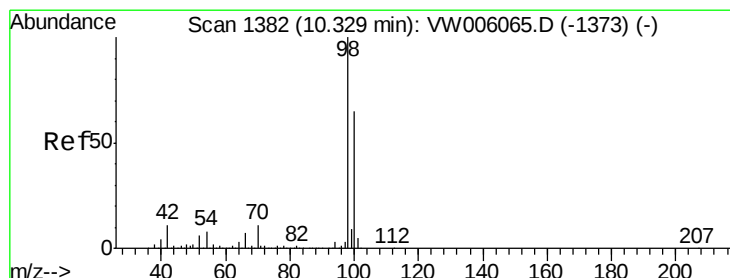
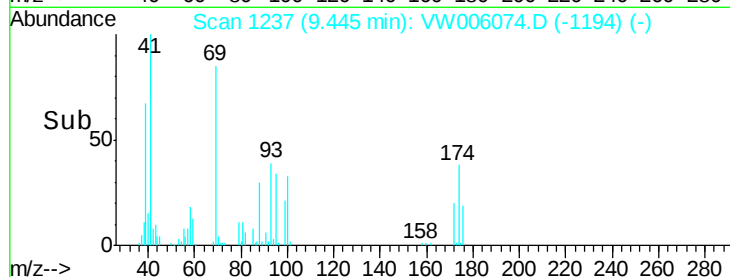
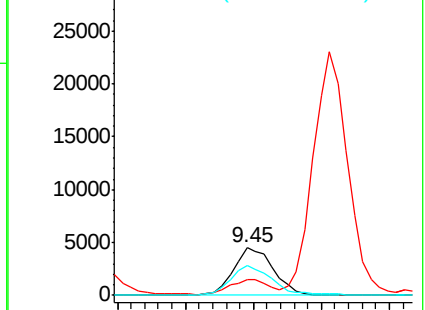
58 66.1 51.2 76.8



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 47.88 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VW006074.D

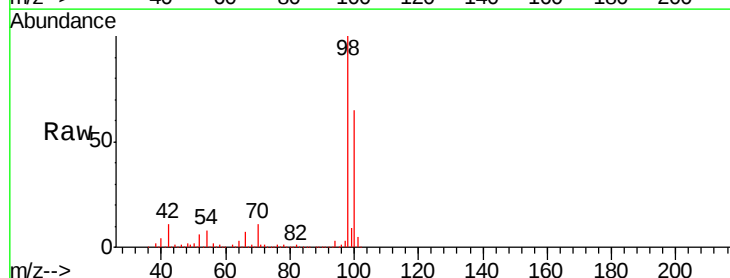
Acq: 16 Oct 2018 13:18

Tgt Ion: 98 Resp: 455279

Ion Ratio Lower Upper

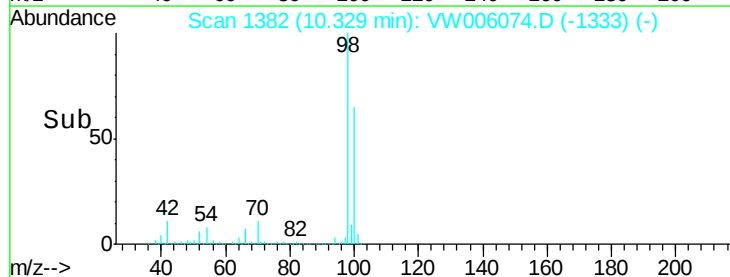
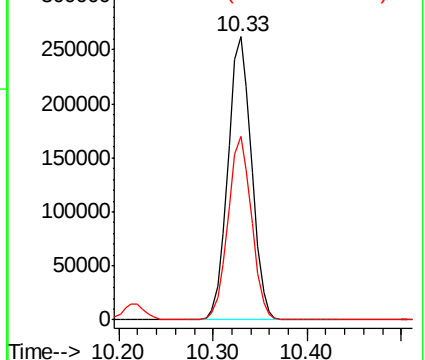
98 100

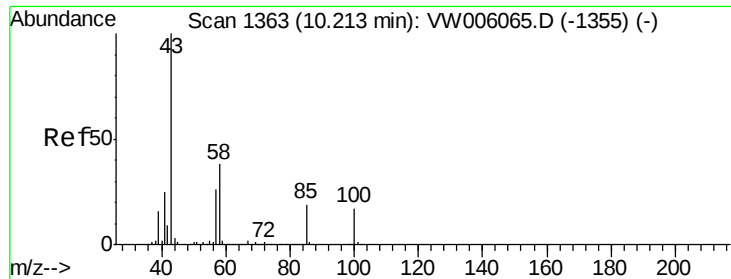
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 96.59 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

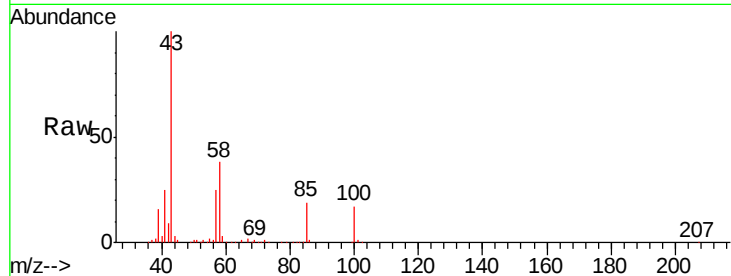
VW1016SBSD01

Tgt Ion: 43 Resp: 143332

Ion Ratio Lower Upper

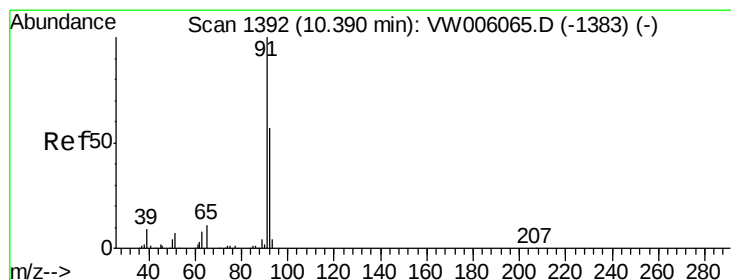
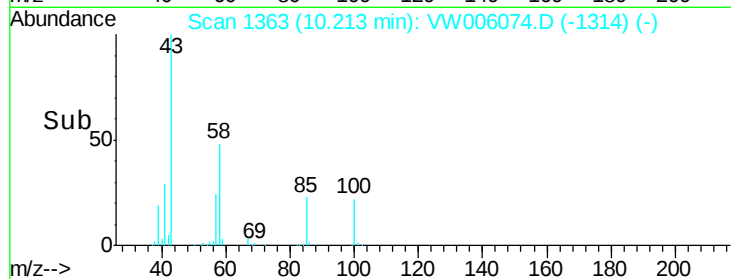
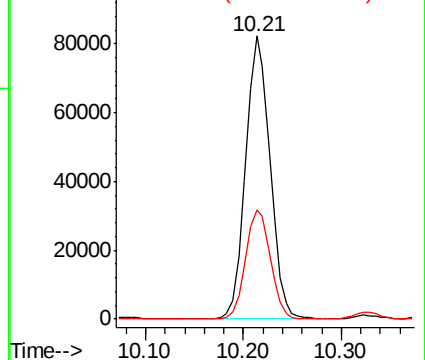
43 100

58 39.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 20.66 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW006074.D

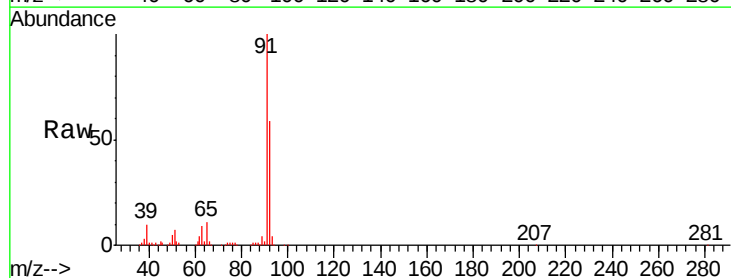
Acq: 16 Oct 2018 13:18

Tgt Ion: 92 Resp: 148131

Ion Ratio Lower Upper

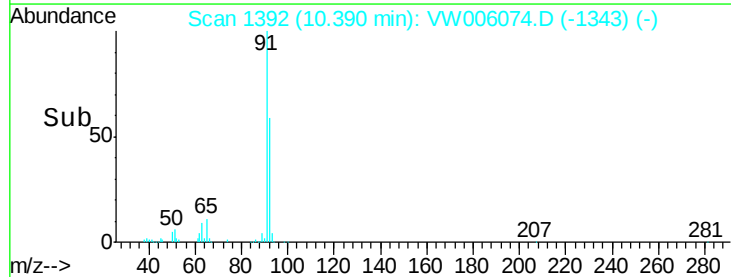
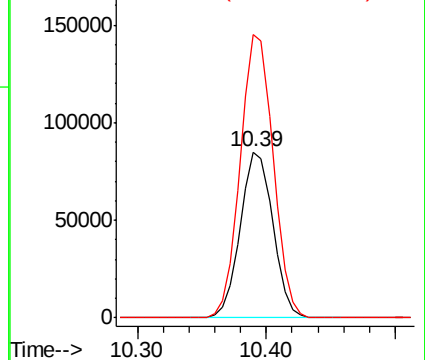
92 100

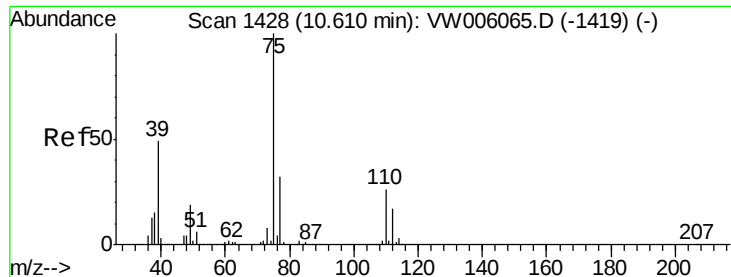
91 173.2 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#53

t-1,3-Dichloropropene

Concen: 20.02 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

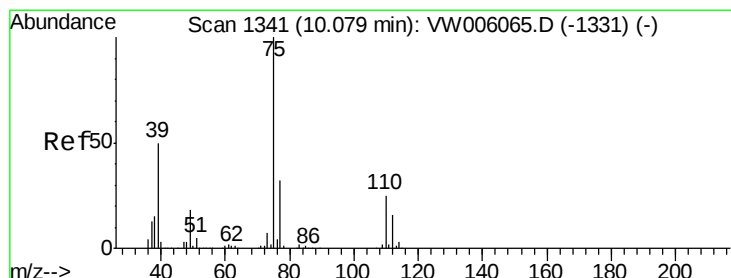
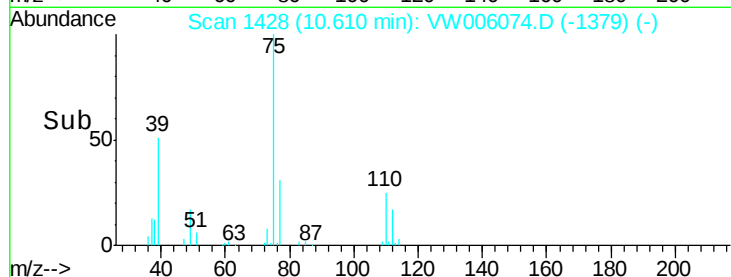
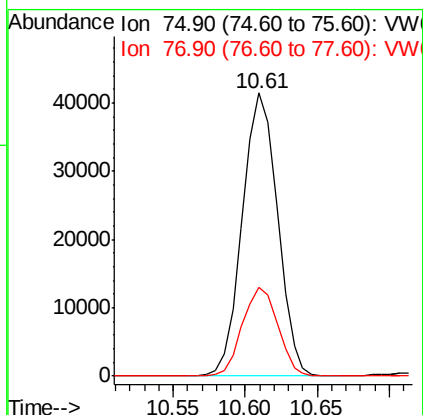
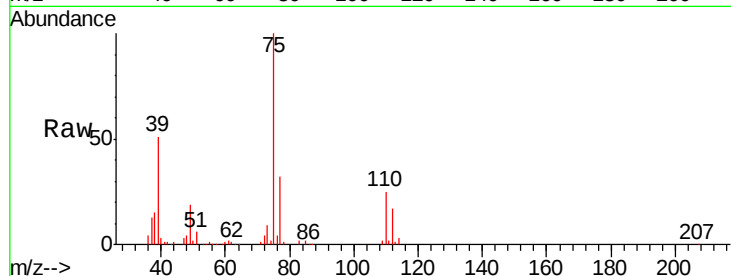
VW1016SBSD01

Tgt Ion: 75 Resp: 70543

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 20.18 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

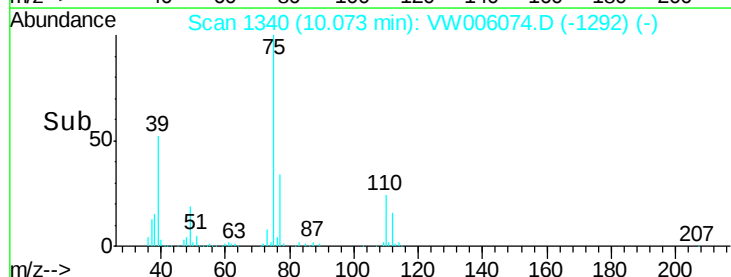
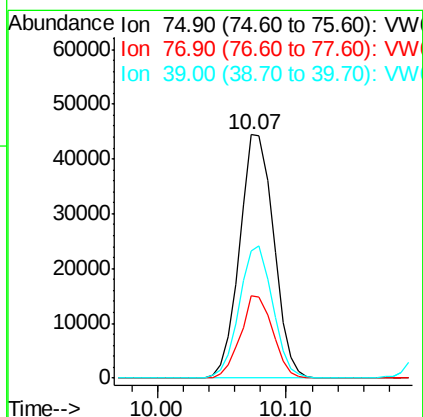
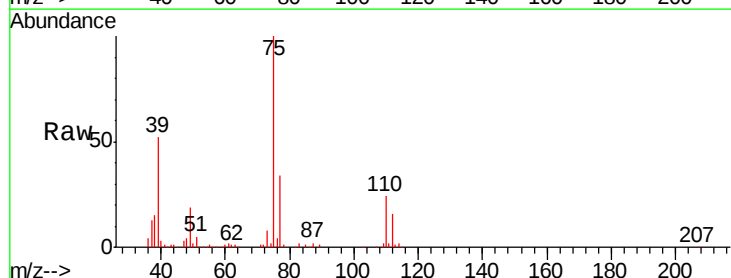
Tgt Ion: 75 Resp: 81601

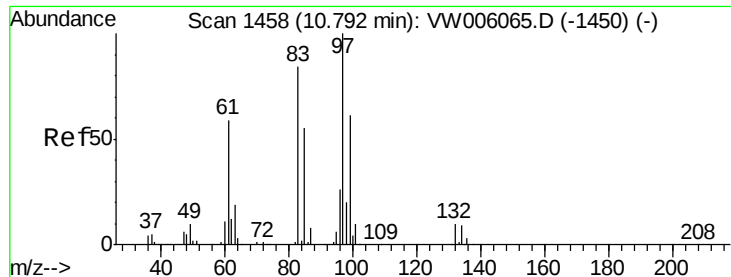
Ion Ratio Lower Upper

75 100

77 33.9 25.2 37.8

39 52.3 39.9 59.9

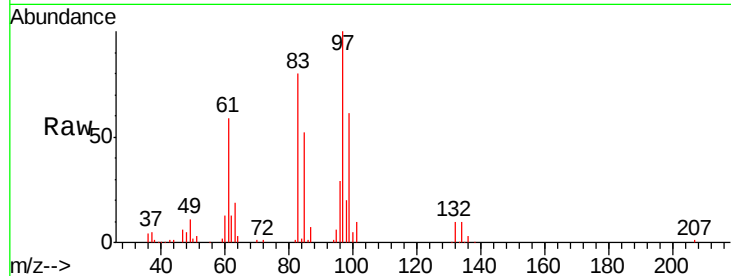




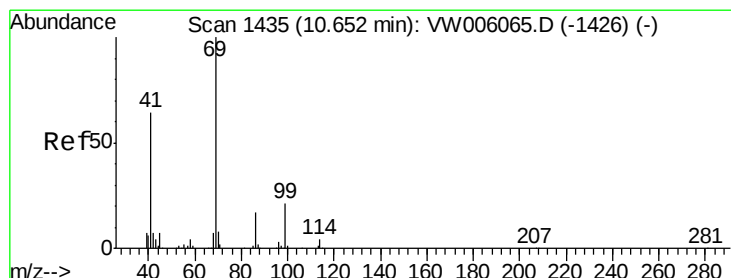
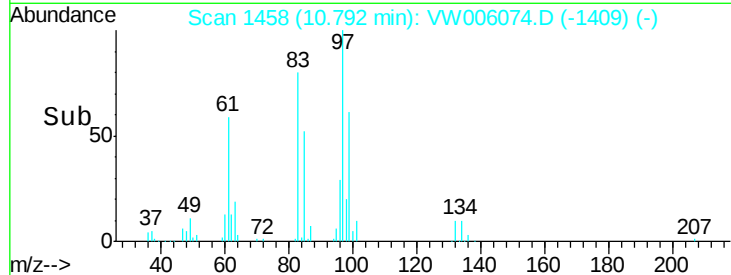
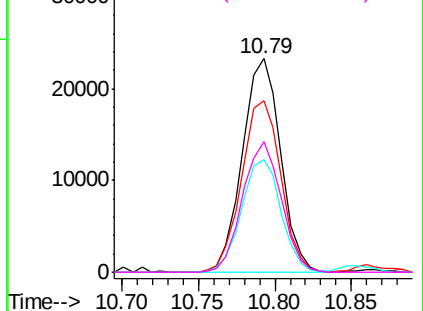
#55
 1,1,2-Trichloroethane
 Concen: 19.80 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBS01

Tgt Ion: 97 Resp: 40409
 Ion Ratio Lower Upper
 97 100
 83 80.1 67.2 100.8
 85 52.5 43.7 65.5
 99 61.0 48.5 72.7

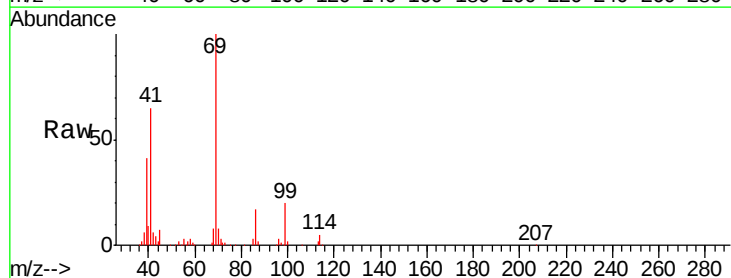


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

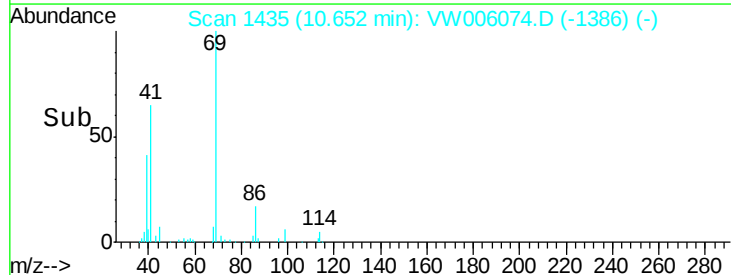
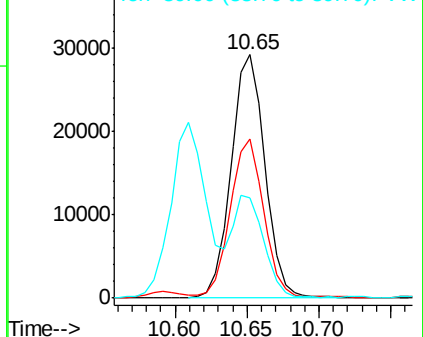


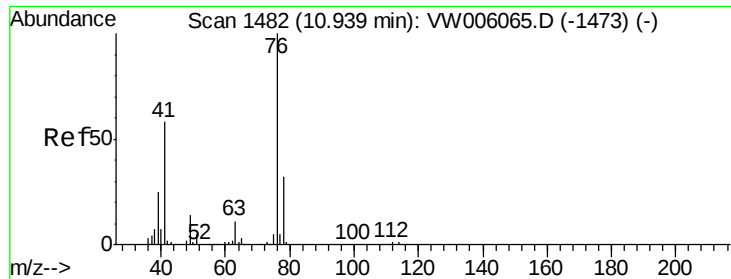
#56
 Ethyl methacrylate
 Concen: 19.19 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion: 69 Resp: 48011
 Ion Ratio Lower Upper
 69 100
 41 64.3 52.8 79.2
 39 37.9 30.6 45.8



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

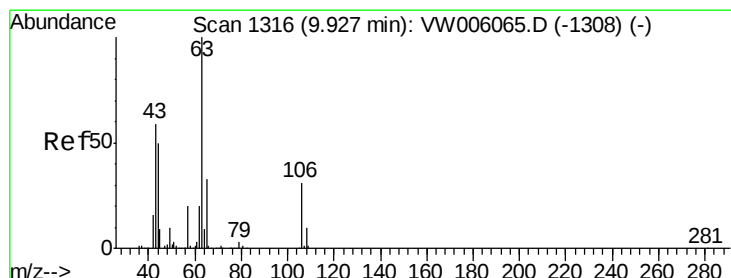
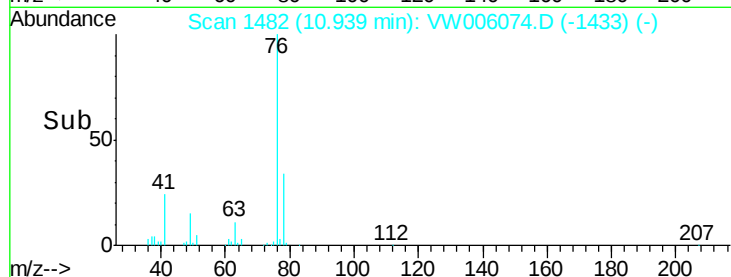
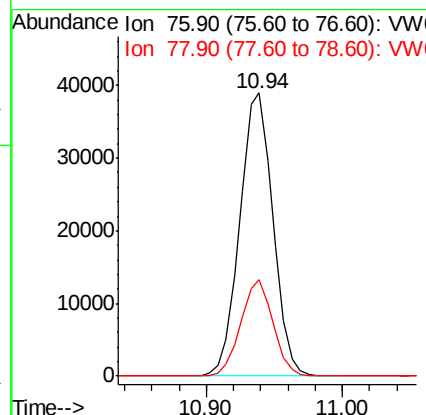
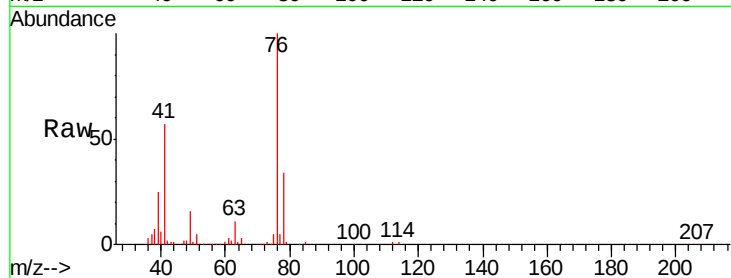




#57
 1,3-Dichloropropane
 Concen: 19.59 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

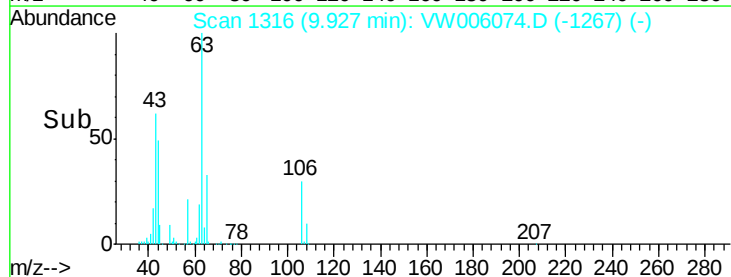
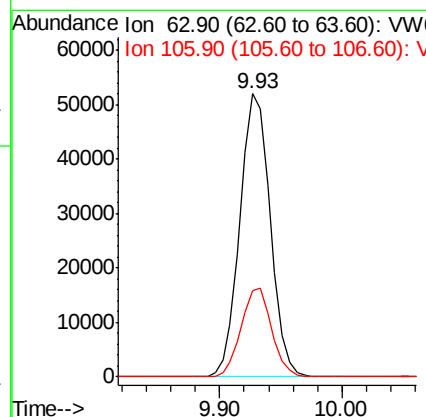
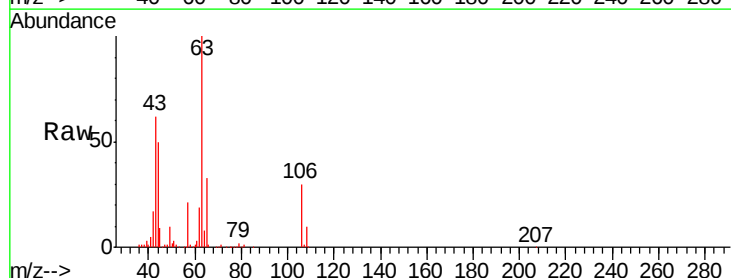
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

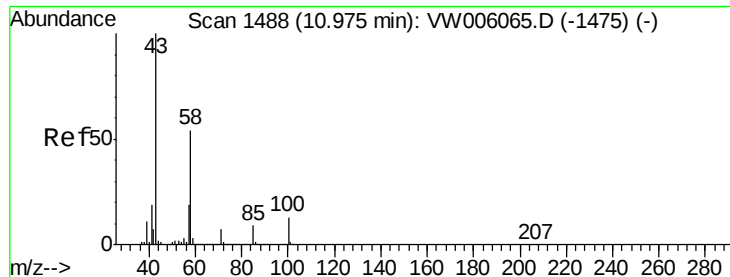
Tgt Ion: 76 Resp: 66193
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.54 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion: 63 Resp: 89433
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.5 36.7

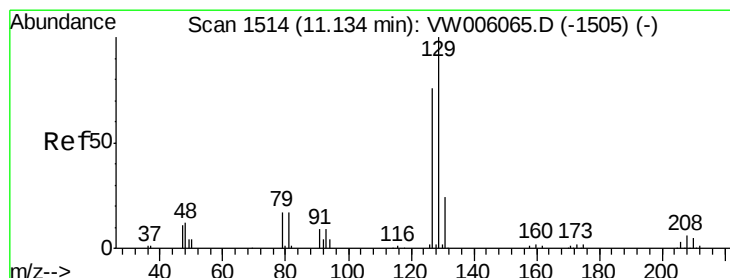
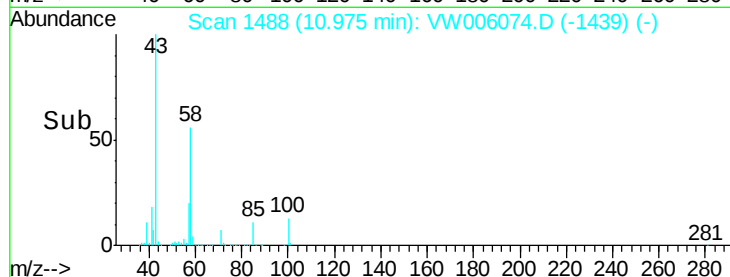
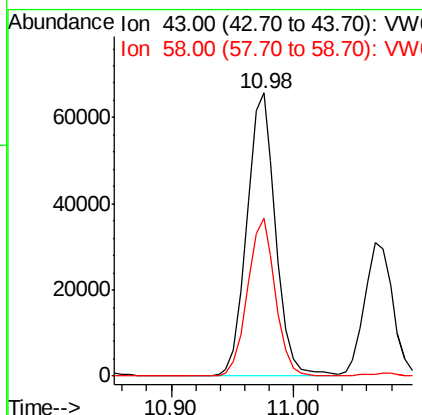
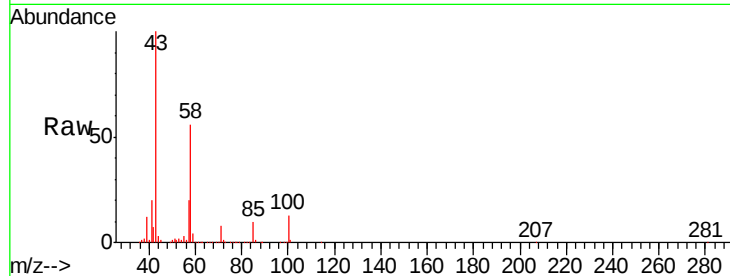




#59
2-Hexanone
Concen: 101.01 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

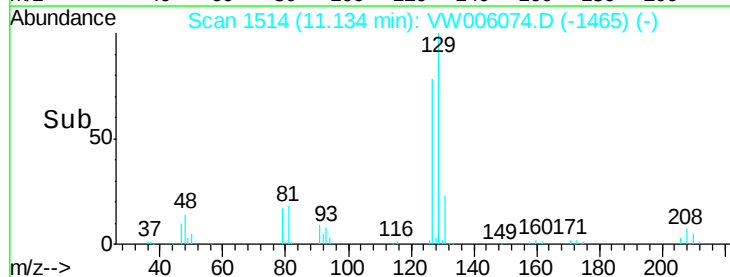
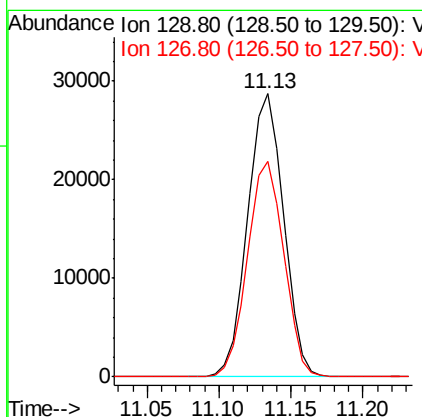
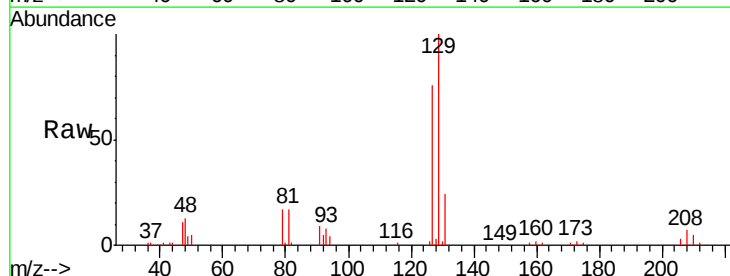
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

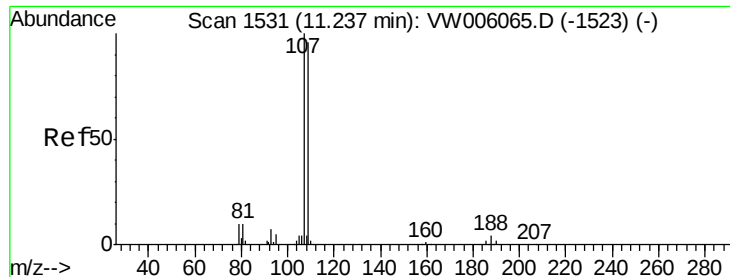
Tgt Ion: 43 Resp: 106990
Ion Ratio Lower Upper
43 100
58 53.8 26.9 80.6



#60
Dibromochloromethane
Concen: 19.53 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 129 Resp: 49643
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.7





#61

1,2-Dibromoethane

Concen: 19.65 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

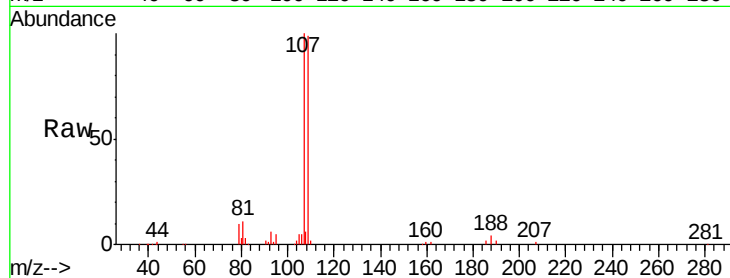
VW1016SBSD01

Tgt Ion: 107 Resp: 40065

Ion Ratio Lower Upper

107 100

109 94.3 76.3 114.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

25000

20000

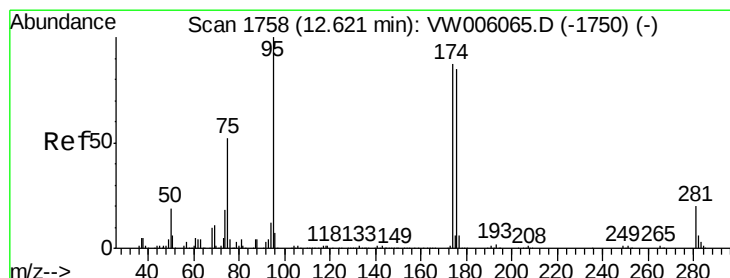
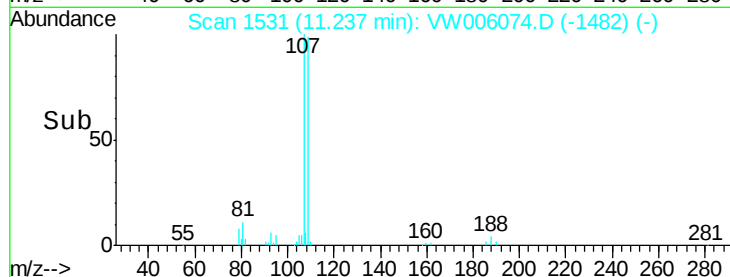
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 46.96 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

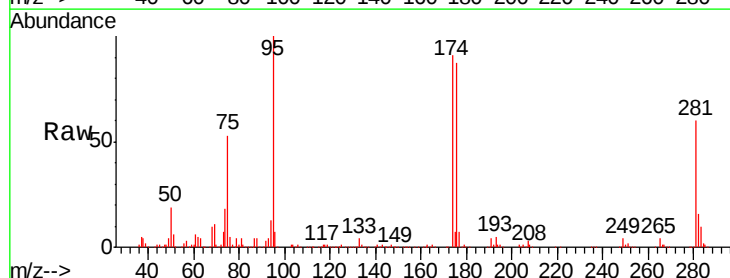
Tgt Ion: 95 Resp: 167720

Ion Ratio Lower Upper

95 100

174 94.8 0.0 186.0

176 91.9 0.0 181.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

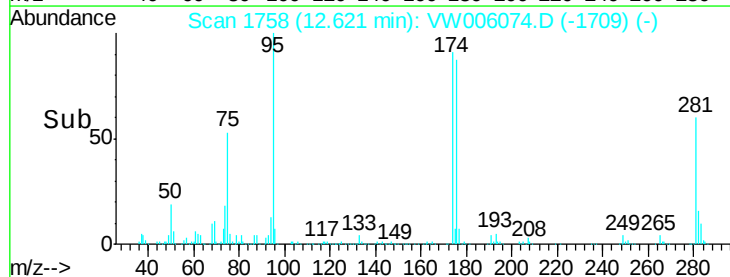
12.62

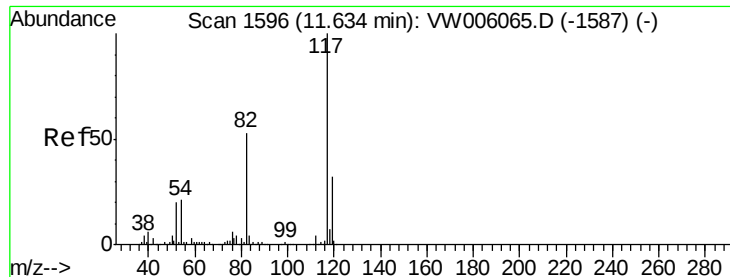
100000

50000

0

Time-->

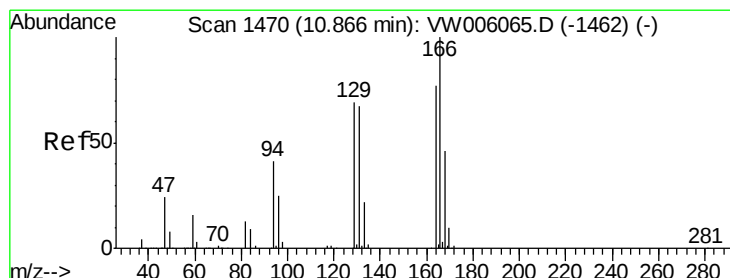
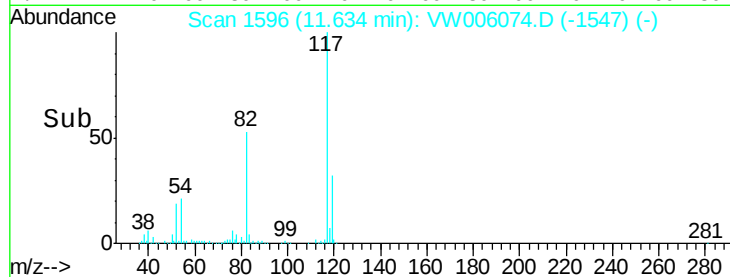
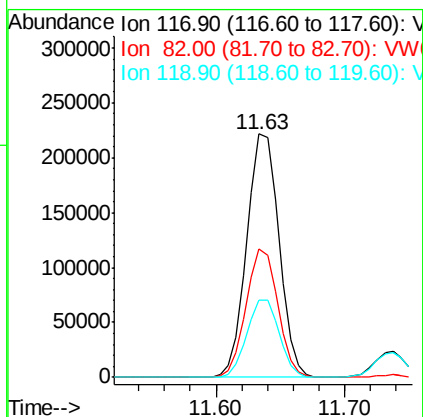
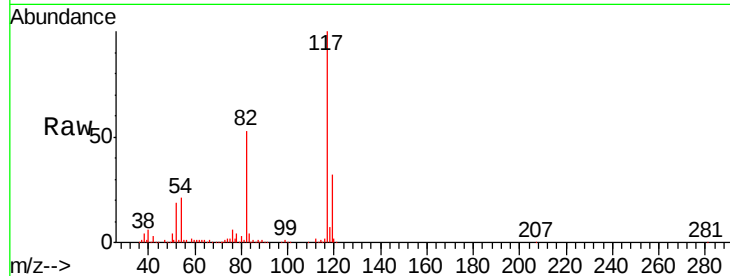




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

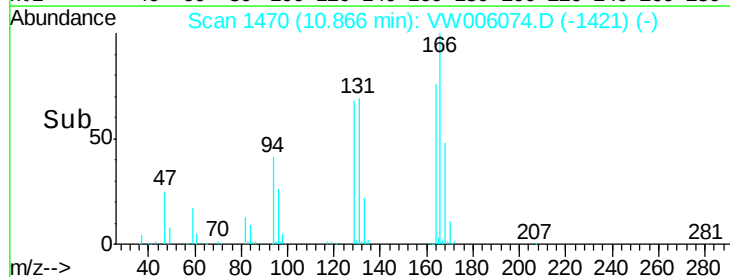
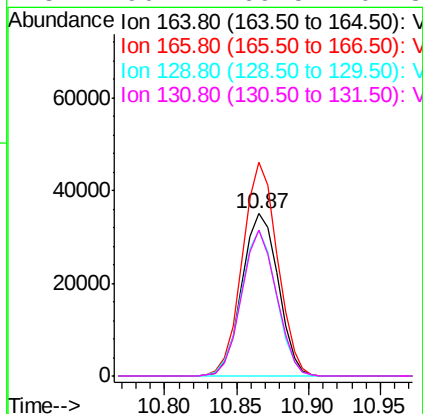
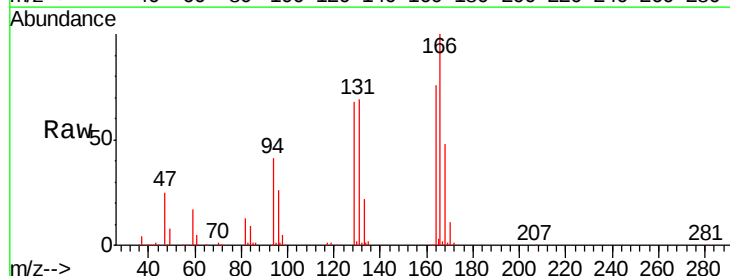
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

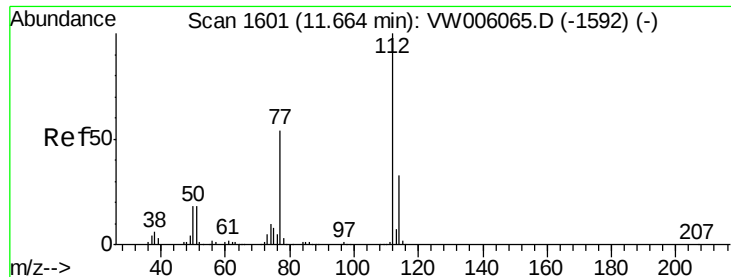
Tgt Ion:117 Resp: 382914
Ion Ratio Lower Upper
117 100
82 52.8 42.1 63.1
119 31.8 25.8 38.6



#64
Tetrachloroethene
Concen: 20.56 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion:164 Resp: 61105
Ion Ratio Lower Upper
164 100
166 131.8 103.4 155.0
129 90.1 71.8 107.8
131 90.4 69.5 104.3





#65

Chlorobenzene

Concen: 20.70 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

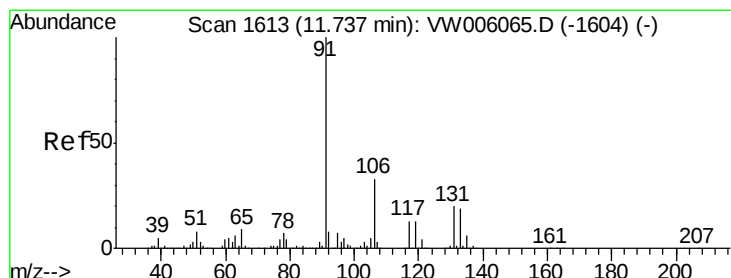
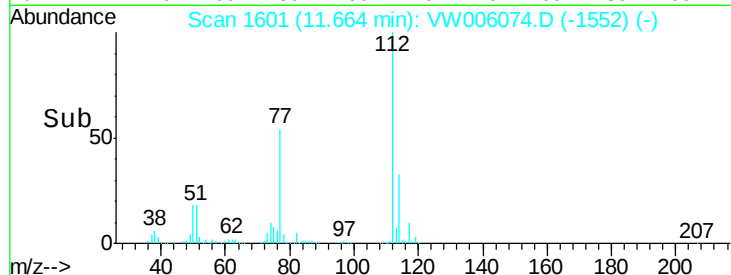
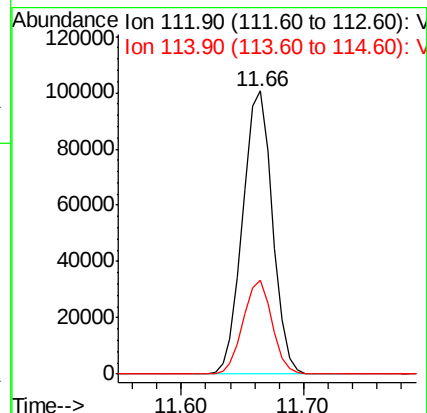
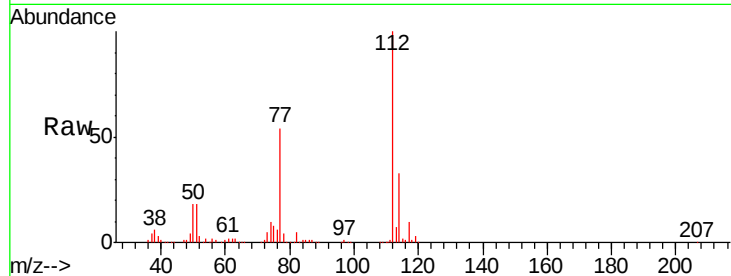
VW1016SBSD01

Tgt Ion:112 Resp: 169681

Ion Ratio Lower Upper

112 100

114 33.1 26.2 39.2



#66

1,1,1,2-Tetrachloroethane

Concen: 20.51 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

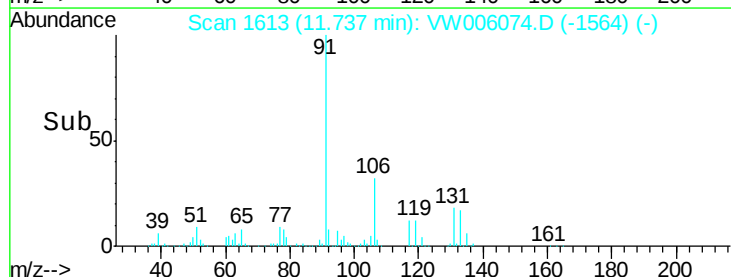
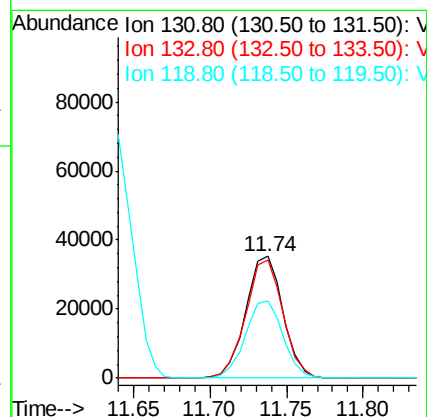
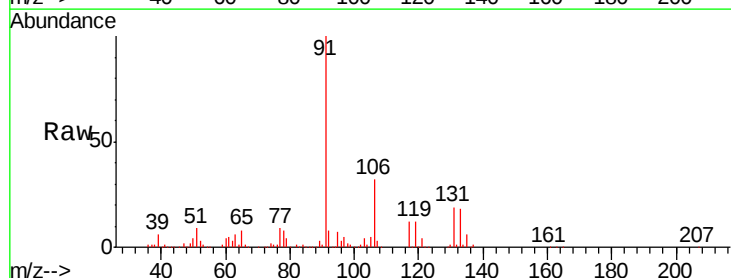
Tgt Ion:131 Resp: 59759

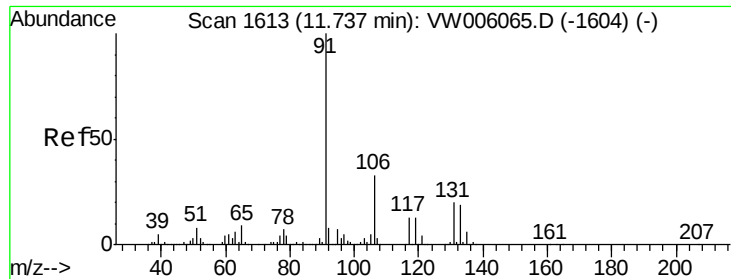
Ion Ratio Lower Upper

131 100

133 96.1 48.1 144.3

119 64.0 31.6 94.7

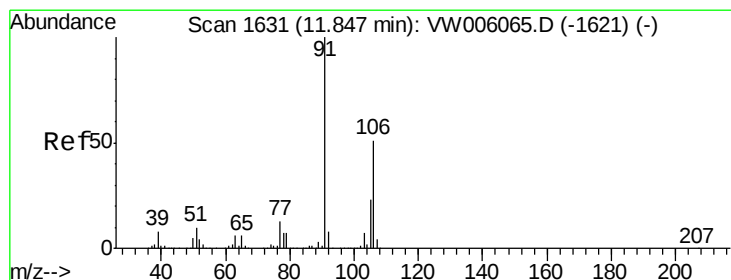
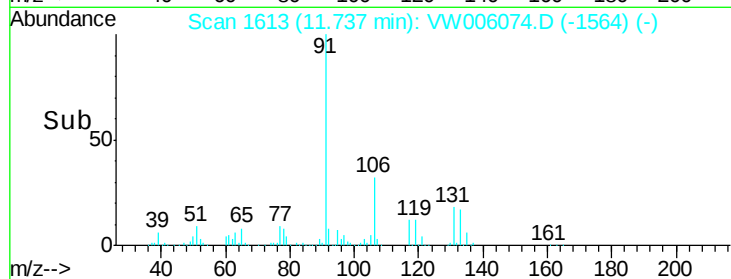
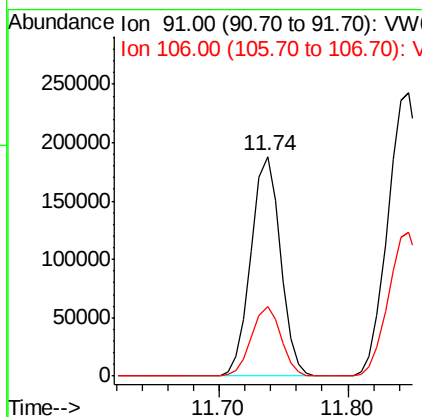
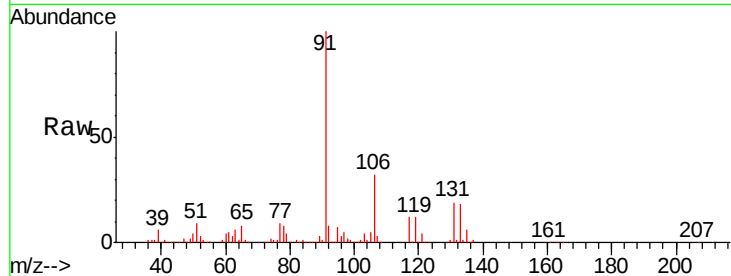




#67
Ethyl Benzene
Concen: 20.91 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

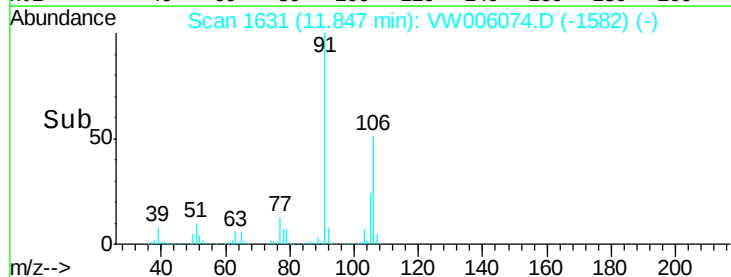
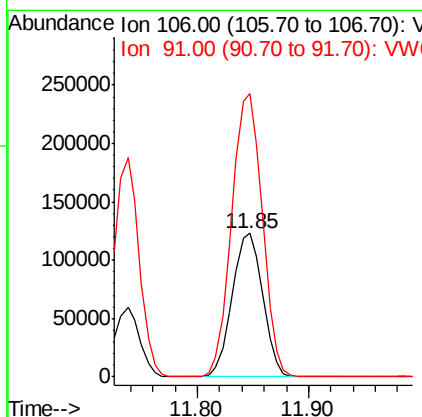
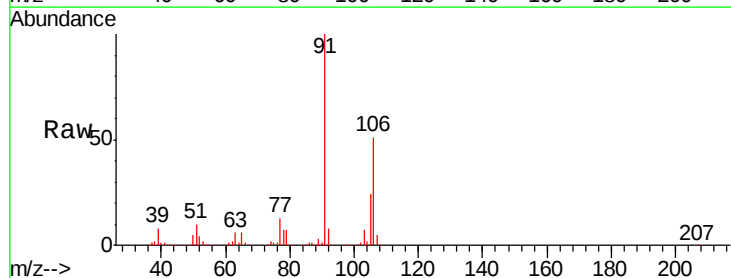
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

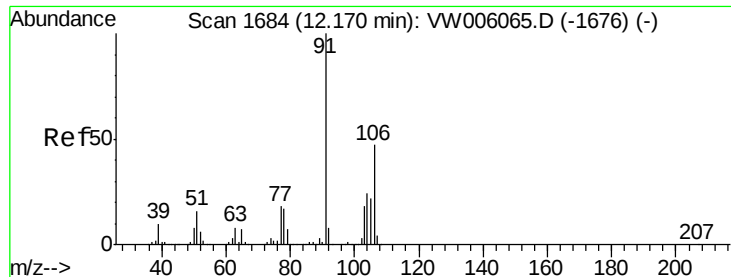
Tgt Ion: 91 Resp: 297109
Ion Ratio Lower Upper
91 100
106 31.8 26.1 39.1



#68
m/p-Xylenes
Concen: 41.61 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 106 Resp: 233645
Ion Ratio Lower Upper
106 100
91 197.7 159.1 238.7

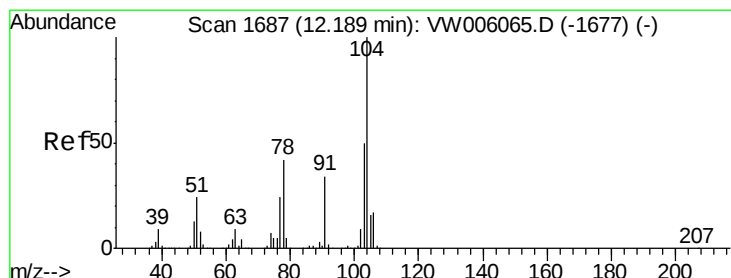
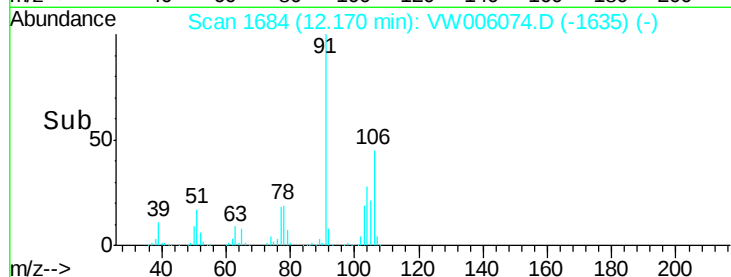
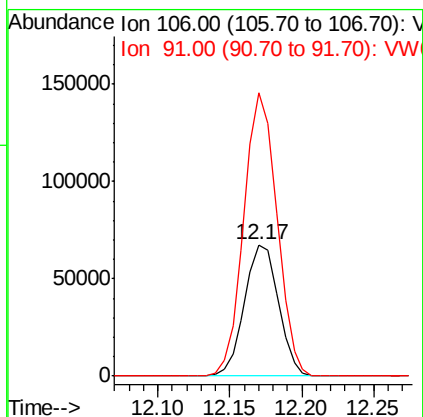
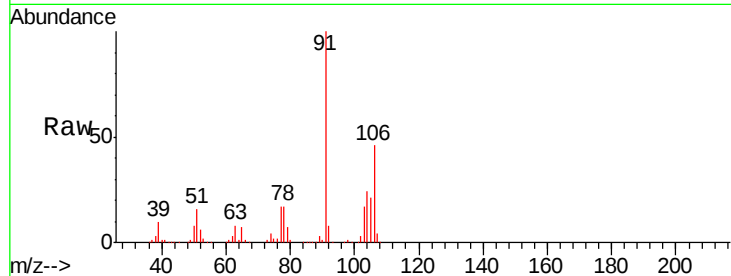




#69
o-Xylene
Concen: 20.65 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

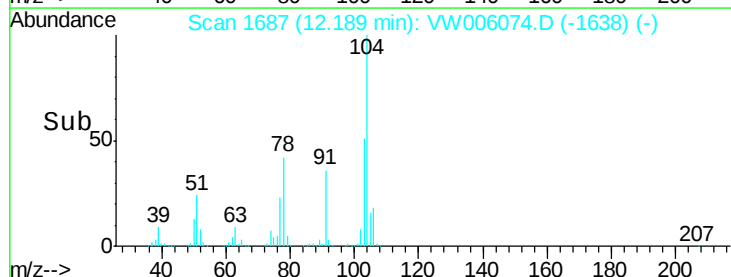
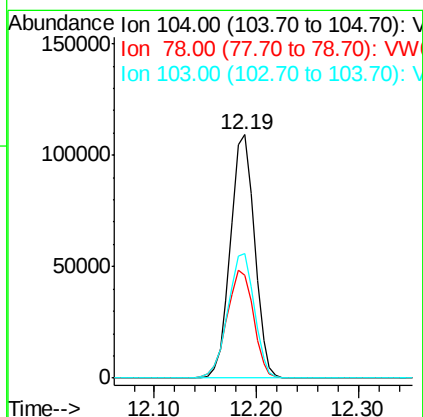
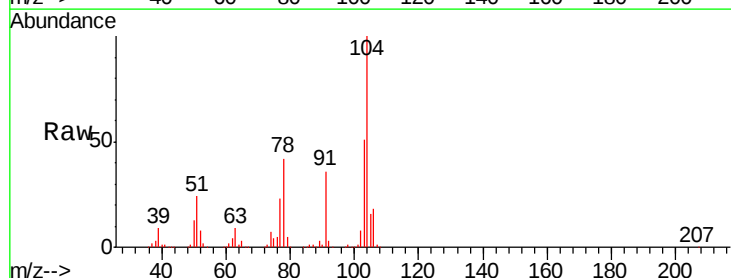
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

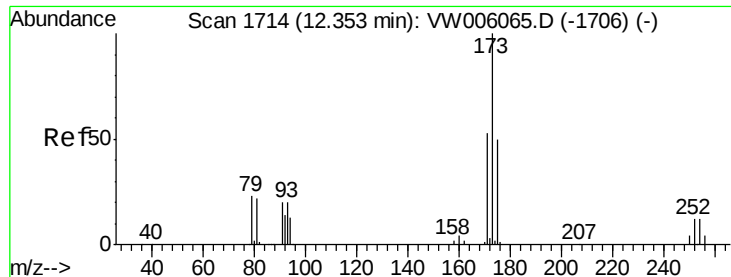
Tgt Ion:106 Resp: 110480
Ion Ratio Lower Upper
106 100
91 210.8 105.4 316.1



#70
Styrene
Concen: 20.50 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion:104 Resp: 178346
Ion Ratio Lower Upper
104 100
78 48.8 39.1 58.7
103 55.7 44.3 66.5





#71

Bromoform

Concen: 19.10 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

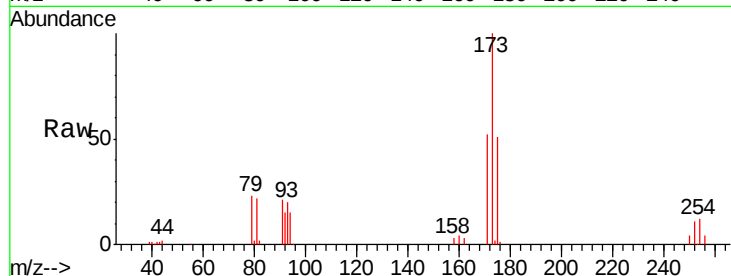
Tgt Ion:173 Resp: 31028

Ion Ratio Lower Upper

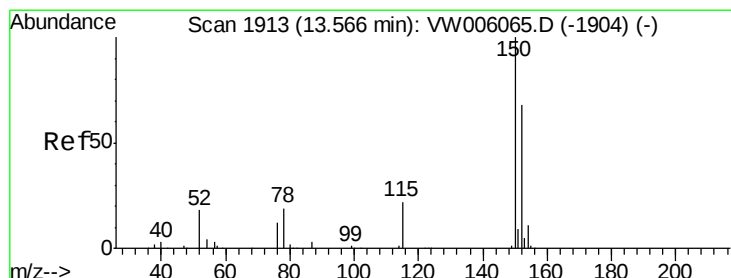
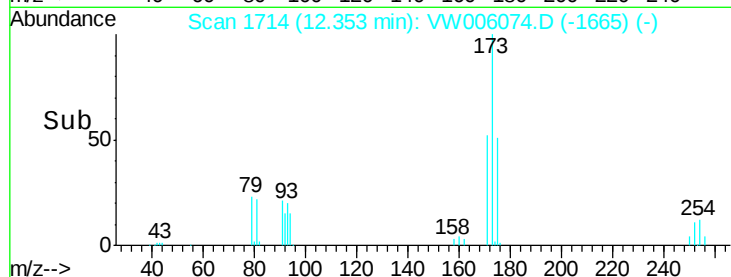
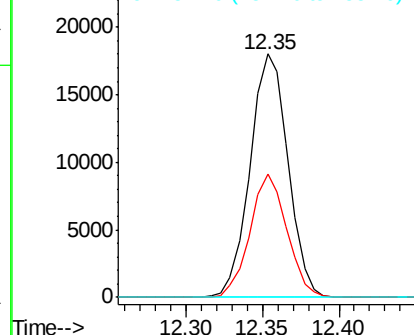
173 100

175 49.3 24.2 72.6

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

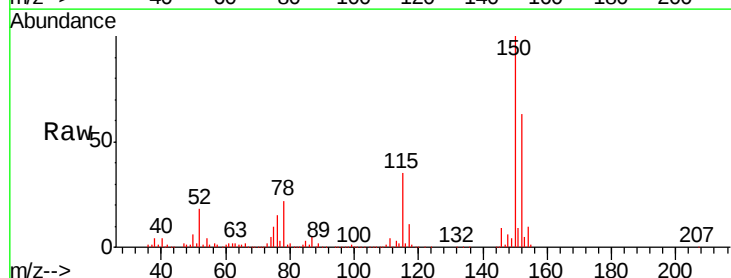
Tgt Ion:152 Resp: 215679

Ion Ratio Lower Upper

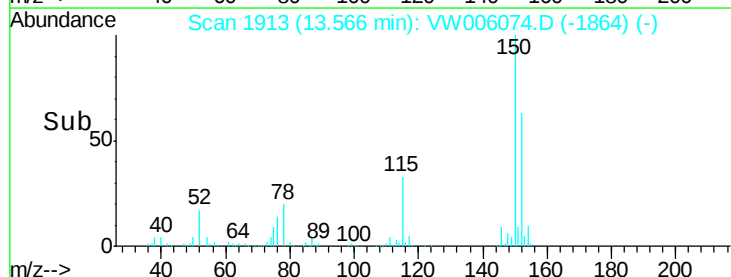
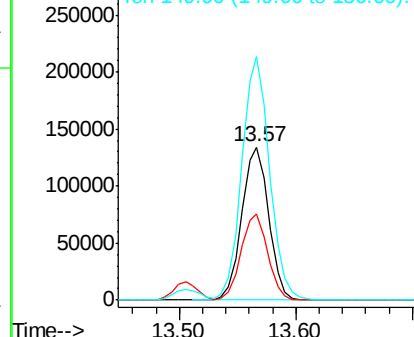
152 100

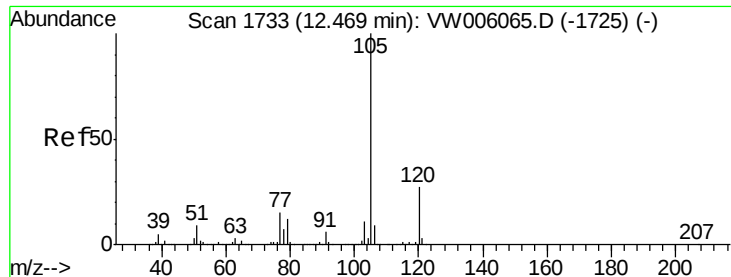
115 55.4 27.8 83.3

150 164.0 0.0 349.2



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





#73

Isopropylbenzene

Concen: 20.54 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

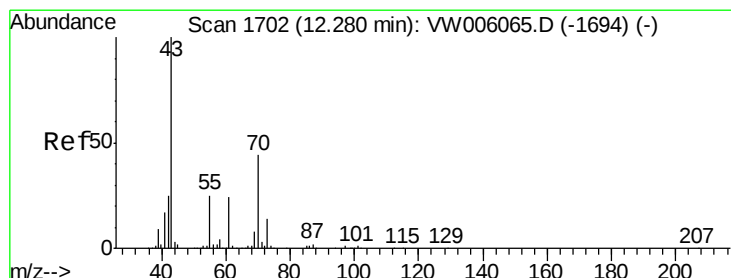
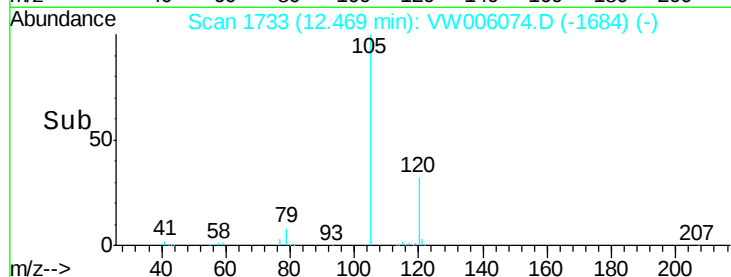
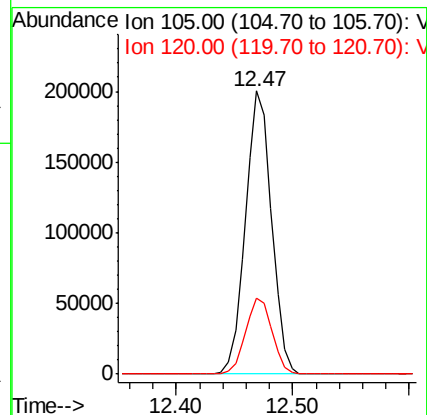
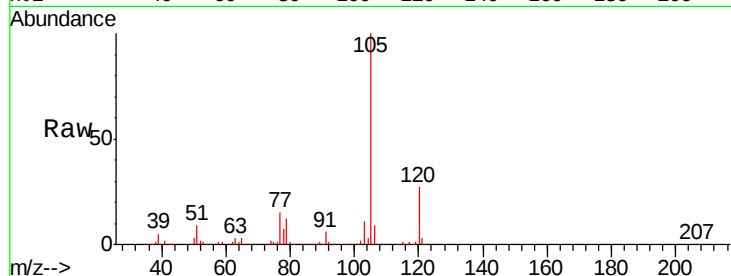
VW1016SBSD01

Tgt Ion:105 Resp: 312975

Ion Ratio Lower Upper

105 100

120 27.4 13.6 40.7



#74

N-ethyl acetate

Concen: 19.40 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Tgt Ion: 43 Resp: 57422

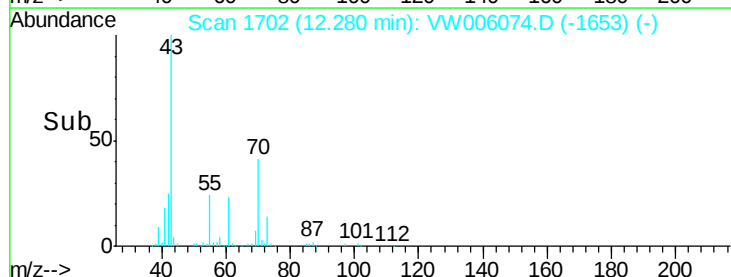
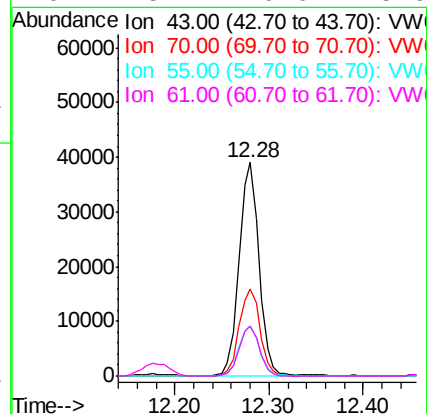
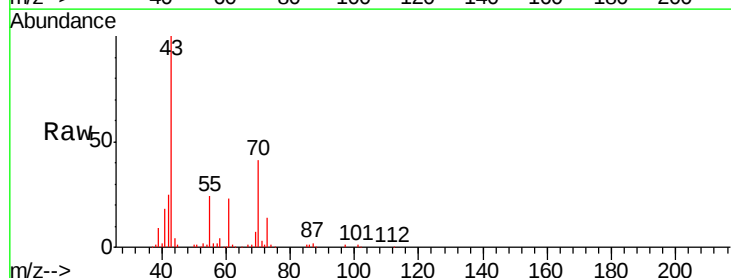
Ion Ratio Lower Upper

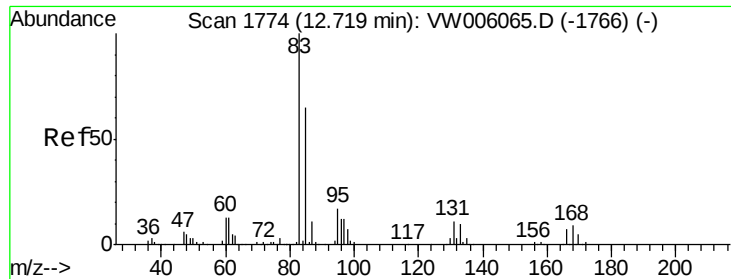
43 100

70 42.7 34.2 51.4

55 24.7 19.2 28.8

61 23.7 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.78 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

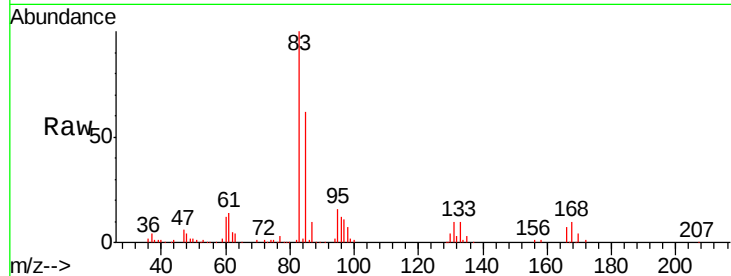
Tgt Ion: 83 Resp: 45848

Ion Ratio Lower Upper

83 100

131 11.5 5.9 17.7

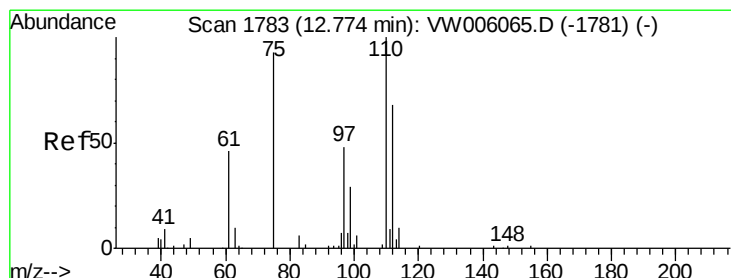
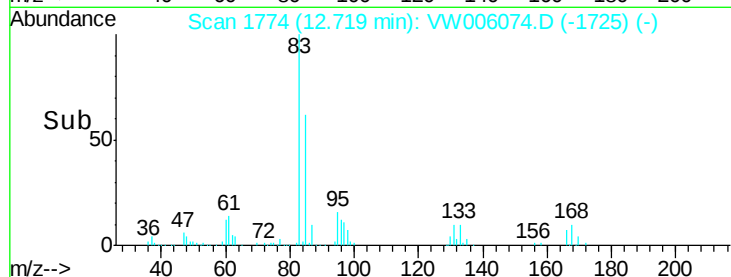
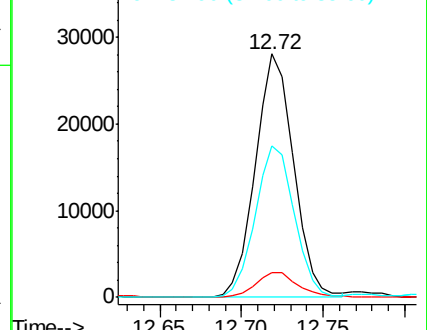
85 63.3 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 36.50 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW006074.D

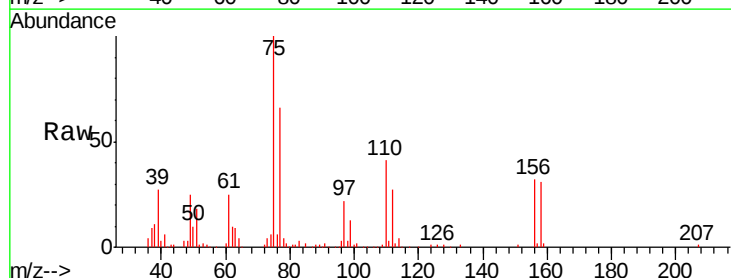
Acq: 16 Oct 2018 13:18

Tgt Ion: 75 Resp: 60135

Ion Ratio Lower Upper

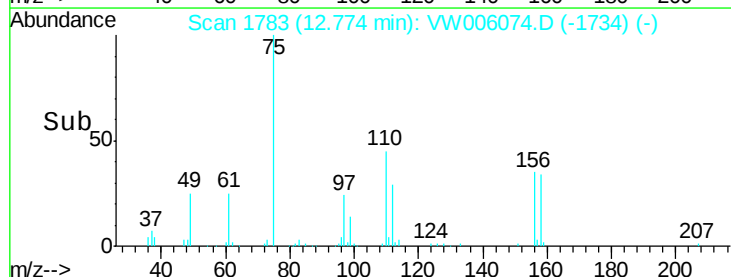
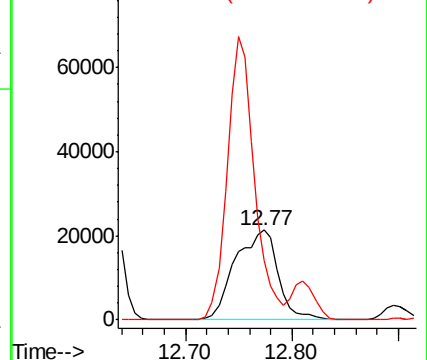
75 100

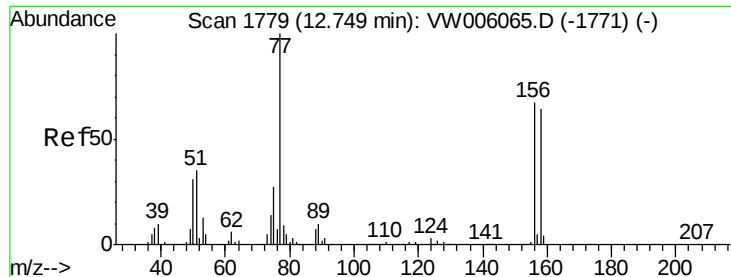
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 20.40 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

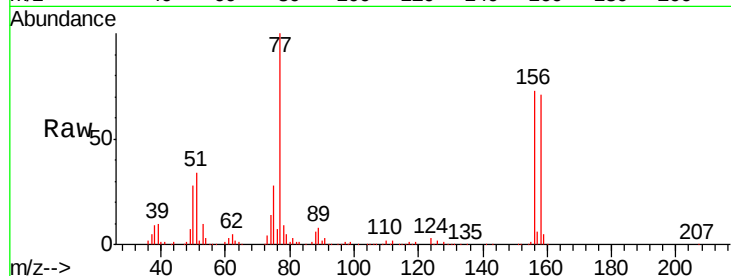
Tgt Ion:156 Resp: 76134

Ion Ratio Lower Upper

156 100

77 157.9 79.1 237.4

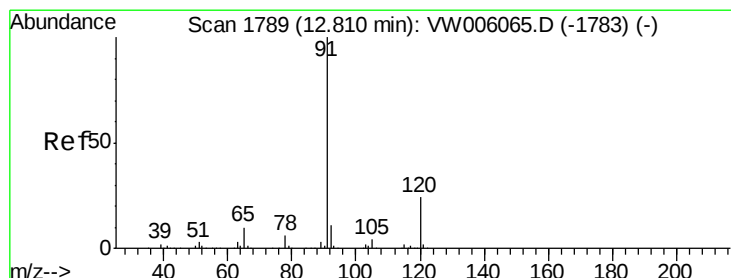
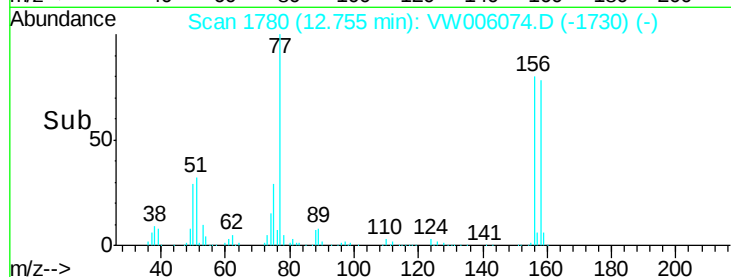
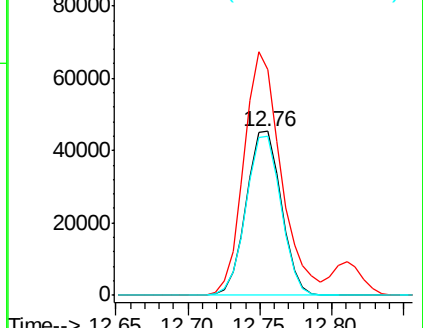
158 97.1 48.5 145.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.72 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW006074.D

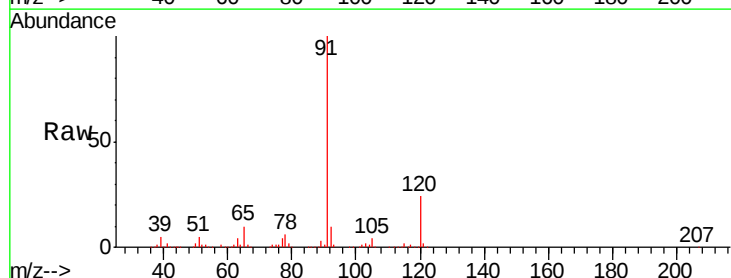
Acq: 16 Oct 2018 13:18

Tgt Ion: 91 Resp: 367284

Ion Ratio Lower Upper

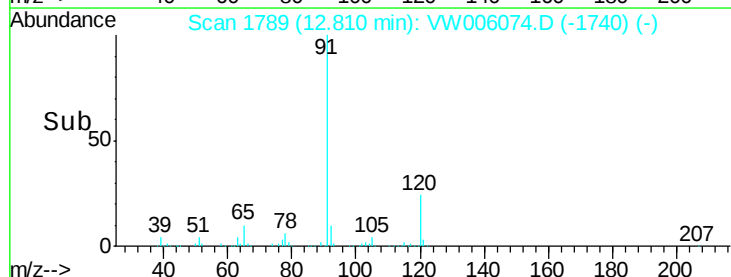
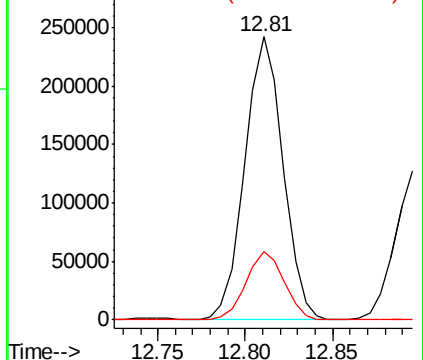
91 100

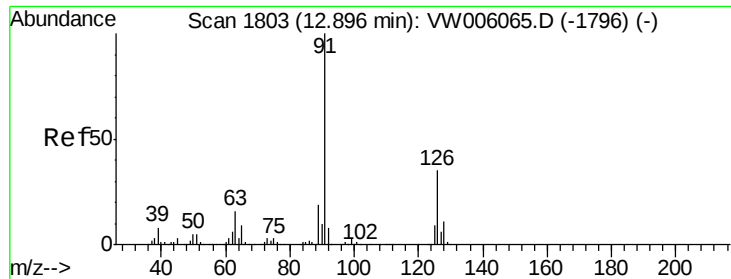
120 24.2 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.75 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

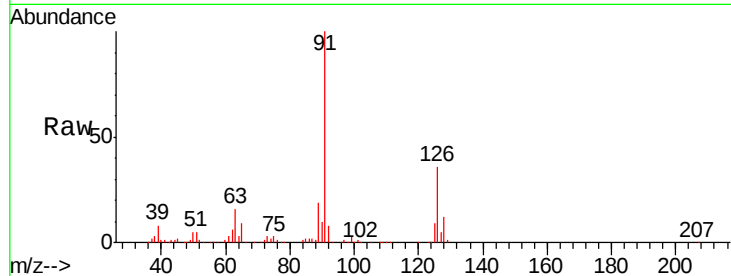
VW1016SBSD01

Tgt Ion: 91 Resp: 206660

Ion Ratio Lower Upper

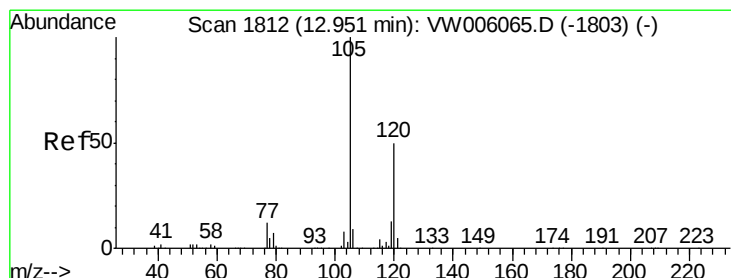
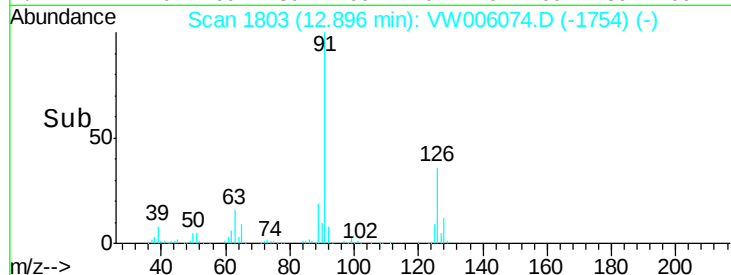
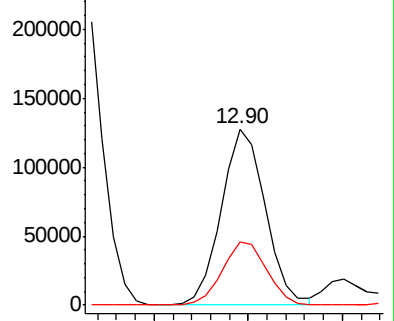
91 100

126 36.1 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.72 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW006074.D

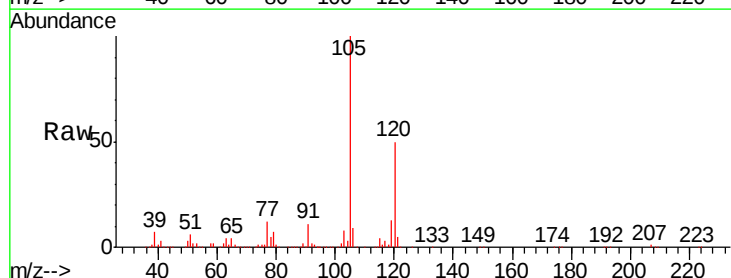
Acq: 16 Oct 2018 13:18

Tgt Ion: 105 Resp: 266203

Ion Ratio Lower Upper

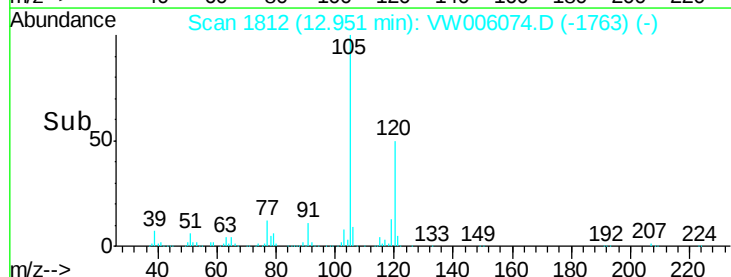
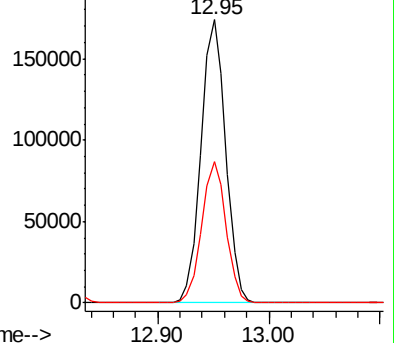
105 100

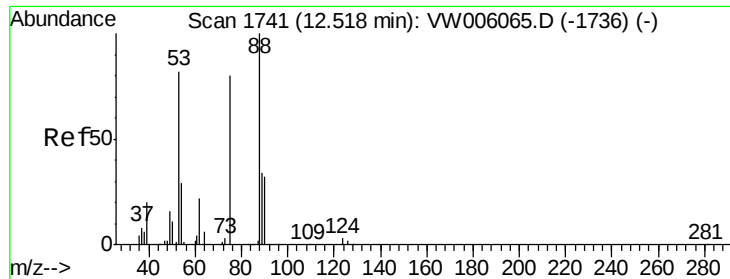
120 49.2 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

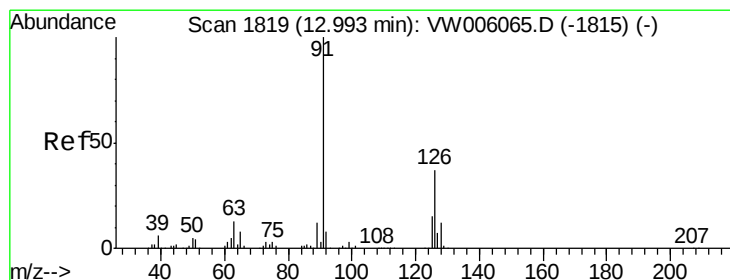
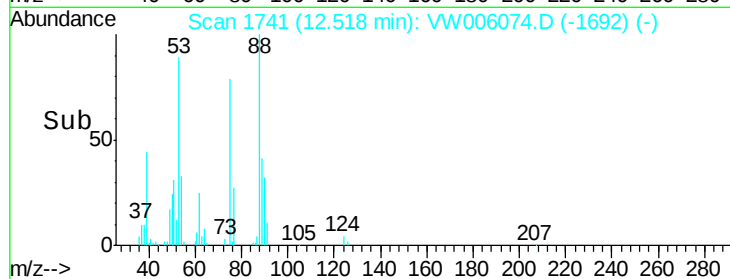
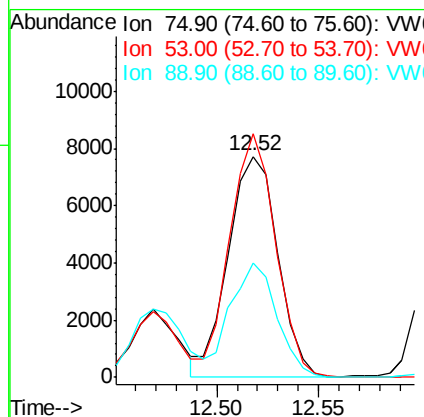
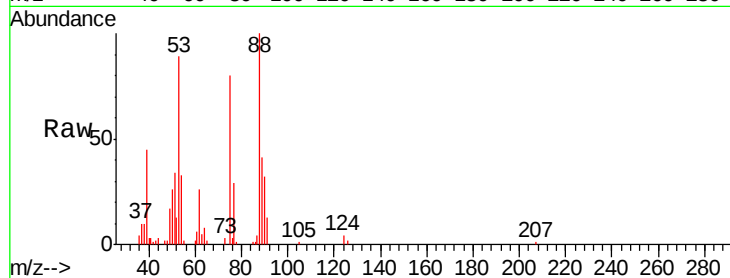




#81
trans-1,4-Dichloro-2-butene
Concen: 18.87 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

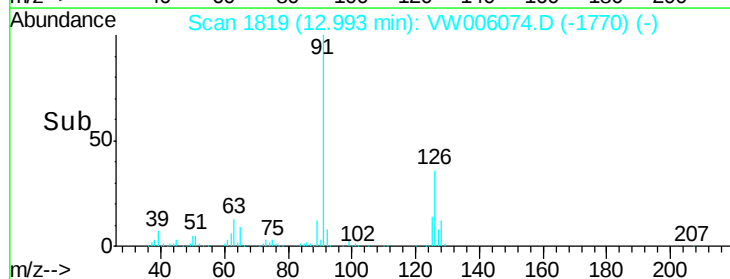
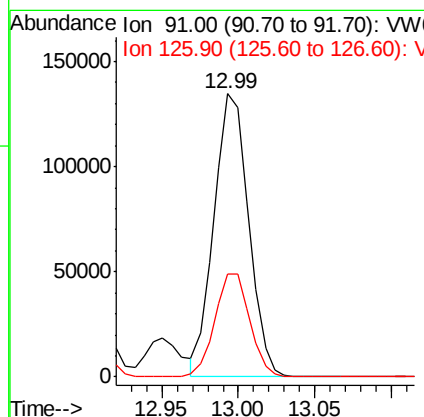
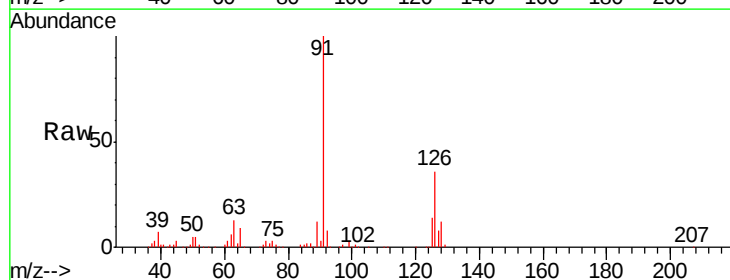
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBSD01

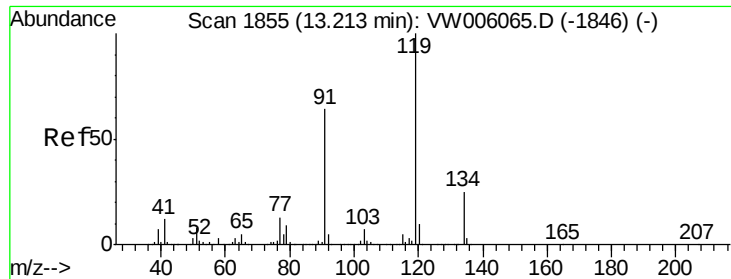
Tgt Ion: 75 Resp: 13006
Ion Ratio Lower Upper
75 100
53 101.2 79.8 119.6
89 48.7 37.5 56.3



#82
4-Chlorotoluene
Concen: 20.38 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 91 Resp: 212640
Ion Ratio Lower Upper
91 100
126 36.7 18.1 54.3

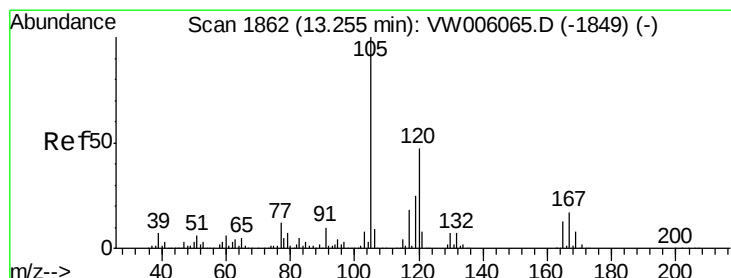
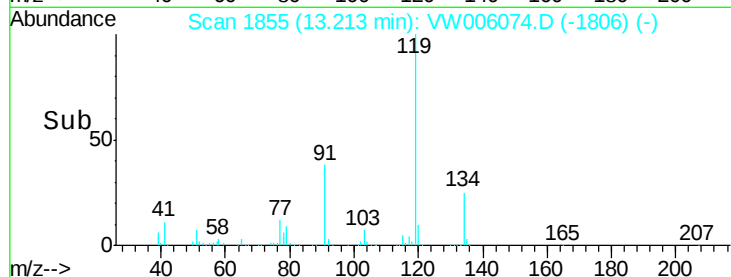
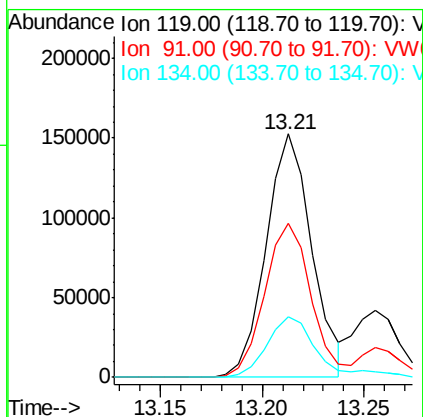
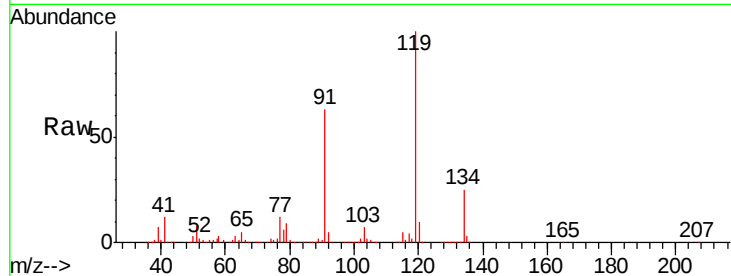




#83
 tert-Butylbenzene
 Concen: 20.74 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

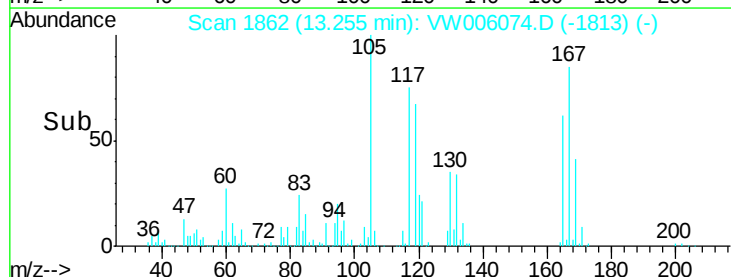
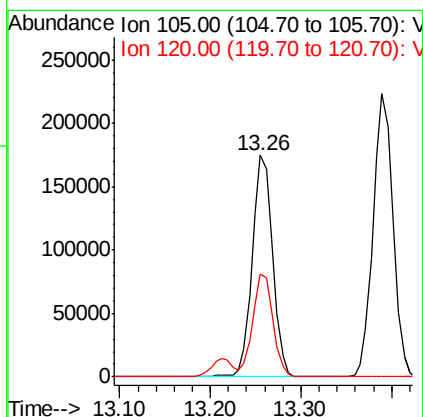
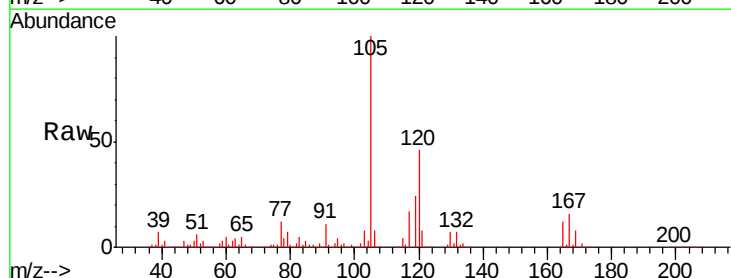
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

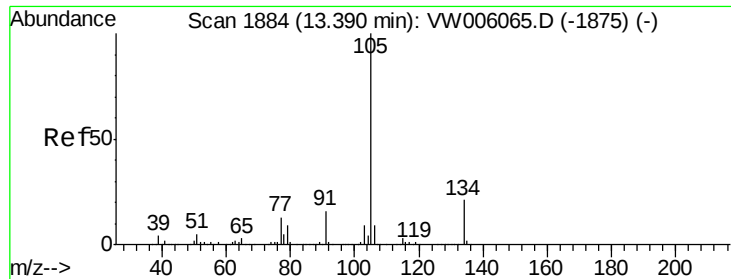
Tgt Ion:119 Resp: 238387
 Ion Ratio Lower Upper
 119 100
 91 64.7 32.3 96.9
 134 27.5 13.6 40.8



#84
 1,2,4-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion:105 Resp: 272011
 Ion Ratio Lower Upper
 105 100
 120 45.9 23.1 69.3





#85

sec-Butylbenzene

Concen: 20.93 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

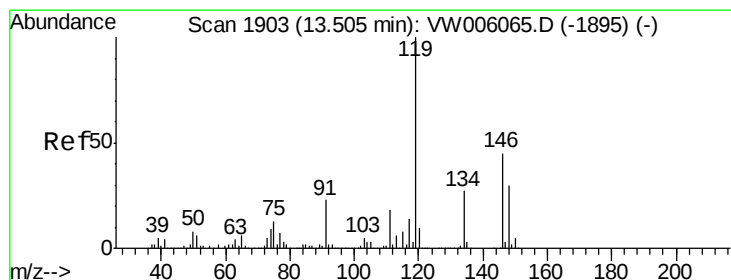
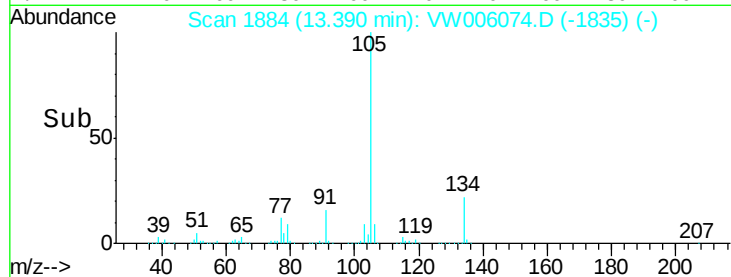
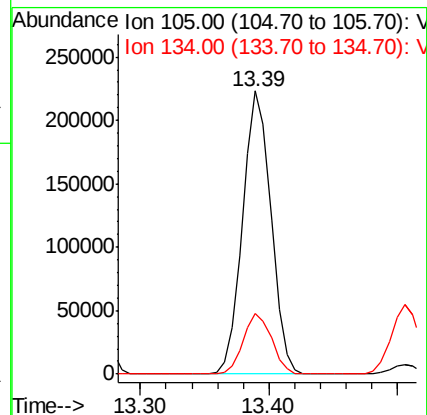
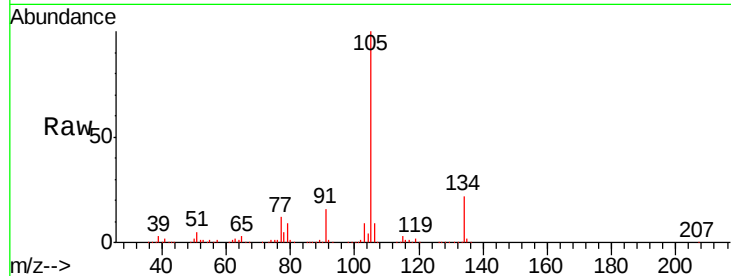
VW1016SBS01

Tgt Ion:105 Resp: 339772

Ion Ratio Lower Upper

105 100

134 21.4 10.5 31.6



#86

p-Isopropyltoluene

Concen: 20.88 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

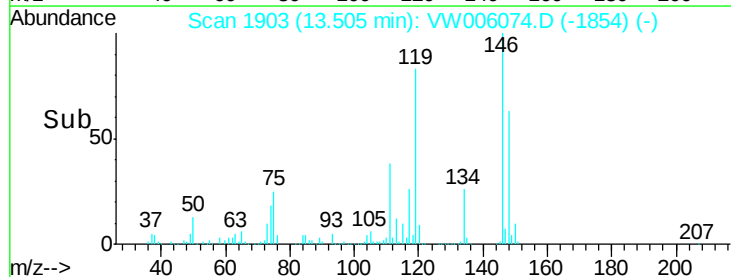
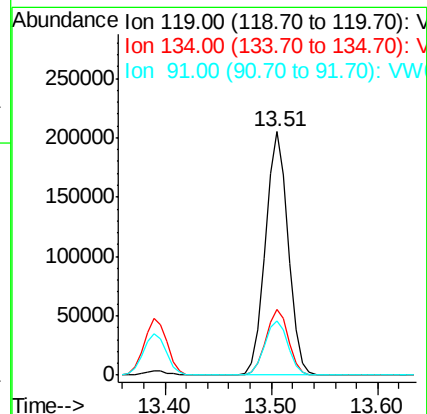
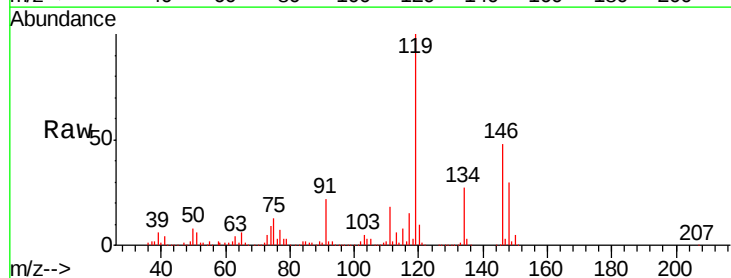
Tgt Ion:119 Resp: 306613

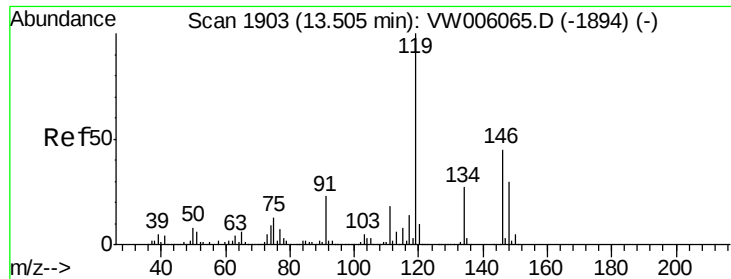
Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.2

91 23.0 11.4 34.1

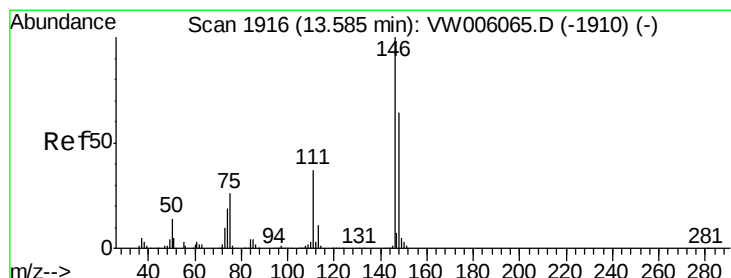
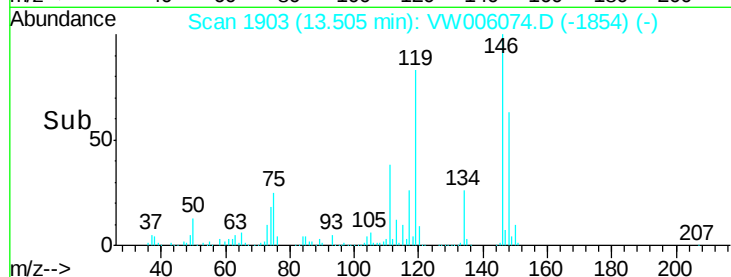
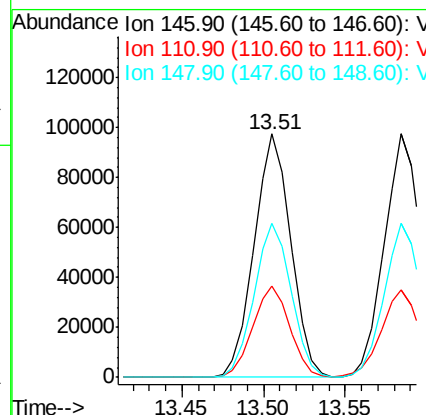
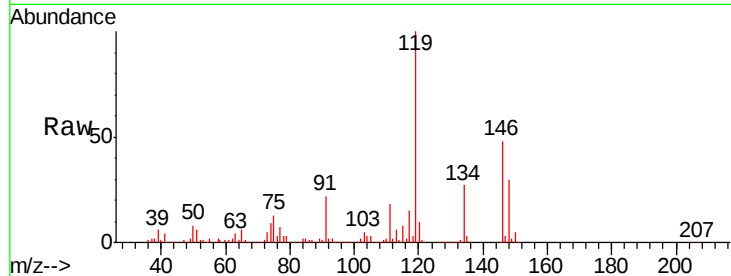




#87
 1,3-Dichlorobenzene
 Concen: 20.58 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

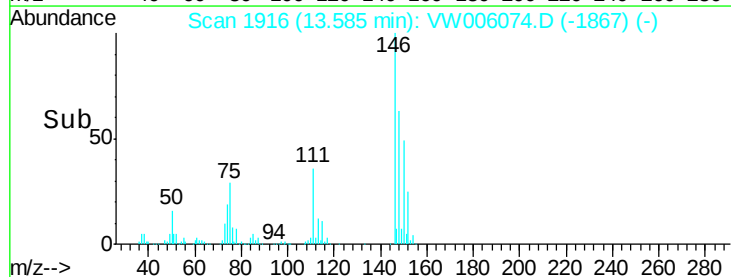
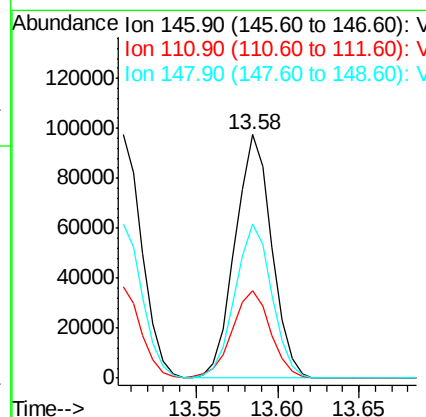
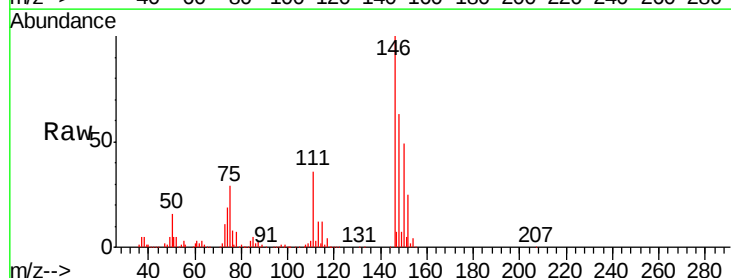
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

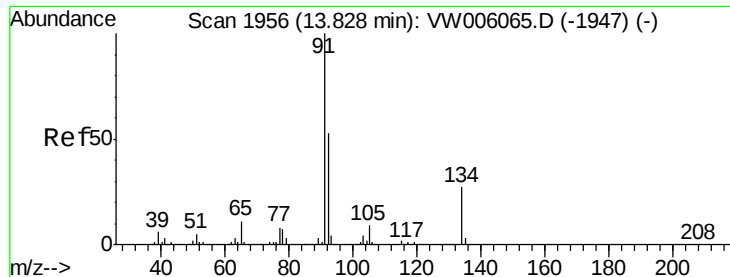
Tgt Ion:146 Resp: 152884
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.1 57.5
 148 63.8 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 20.61 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion:146 Resp: 152424
 Ion Ratio Lower Upper
 146 100
 111 37.6 18.6 56.0
 148 63.5 32.1 96.5

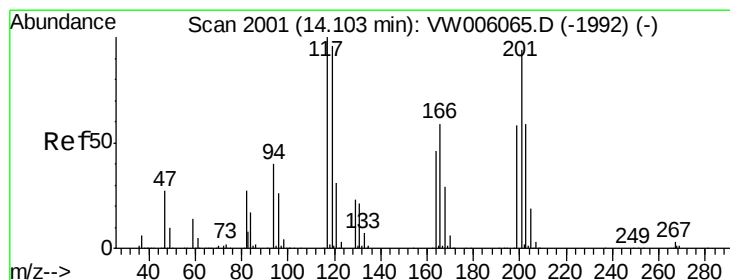
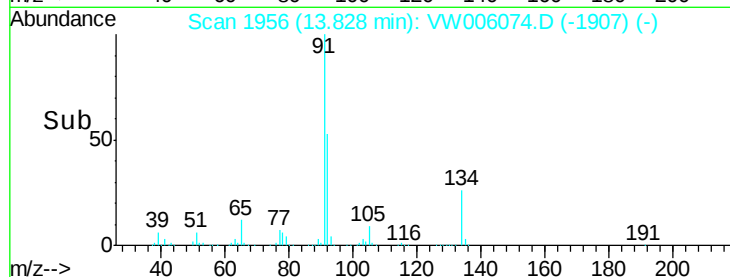
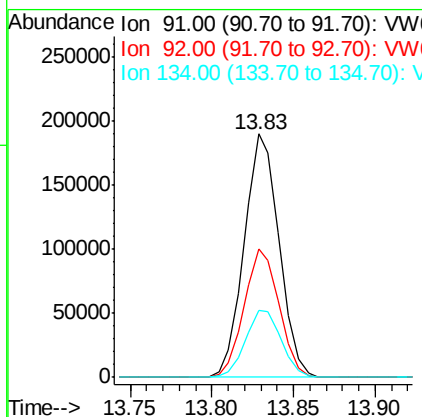
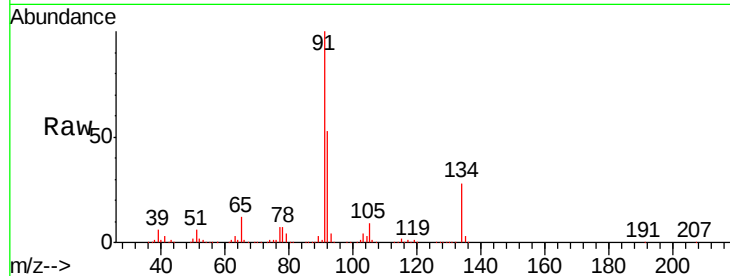




#89
n-Butylbenzene
Concen: 21.11 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

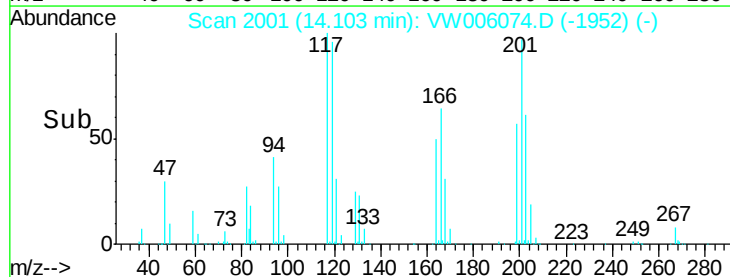
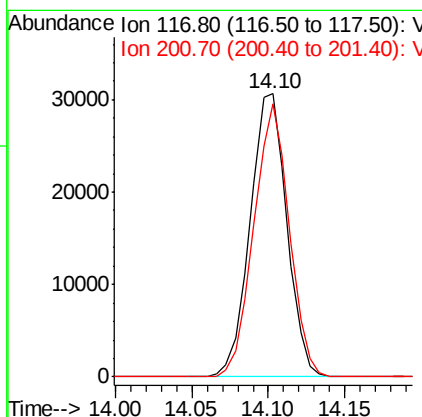
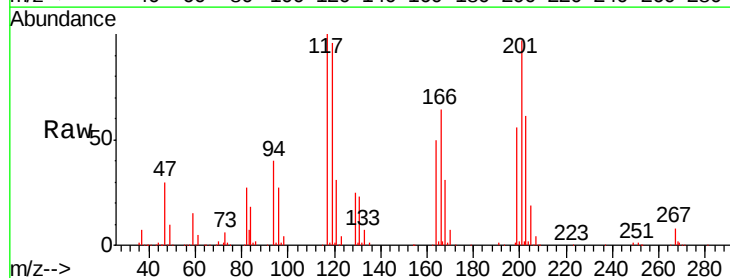
Instrument :
MSVOA_W
ClientSampleId :
VW1016SBS01

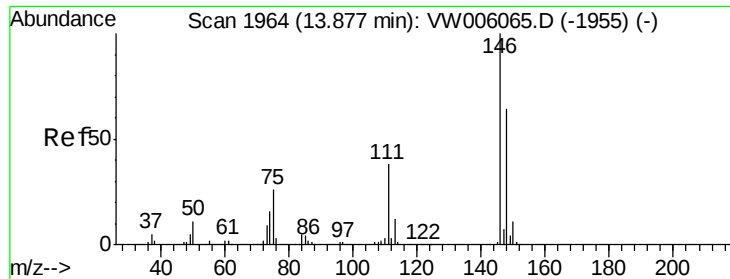
Tgt Ion: 91 Resp: 283559
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.7
134 28.1 14.0 41.9



#90
Hexachloroethane
Concen: 20.60 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW006074.D
Acq: 16 Oct 2018 13:18

Tgt Ion: 117 Resp: 51242
Ion Ratio Lower Upper
117 100
201 93.2 45.3 135.9





#91

1,2-Dichlorobenzene

Concen: 20.29 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBS01

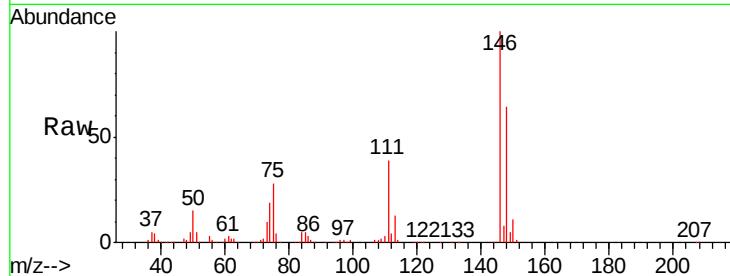
Tgt Ion:146 Resp: 134451

Ion Ratio Lower Upper

146 100

111 38.6 19.6 58.7

148 63.6 32.2 96.6



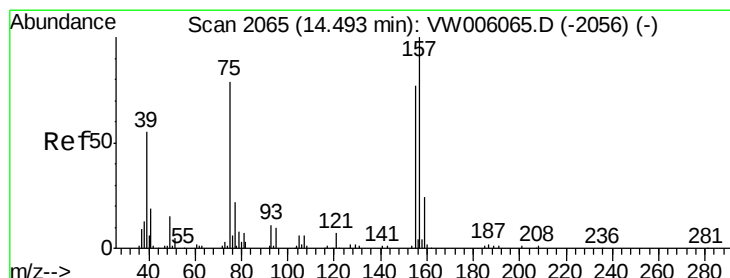
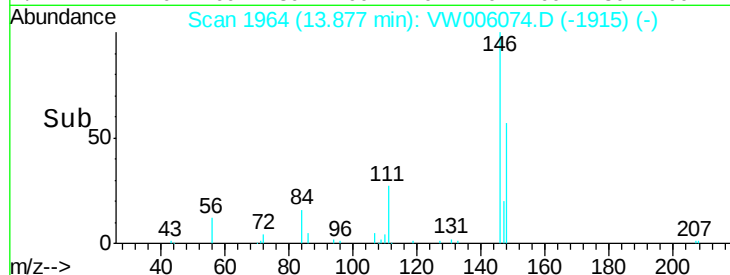
Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.88

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.96 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

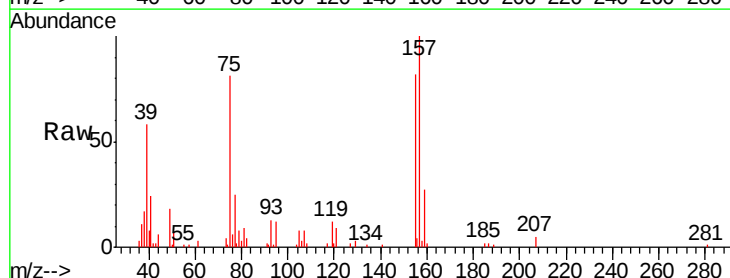
Tgt Ion: 75 Resp: 7865

Ion Ratio Lower Upper

75 100

155 94.9 46.5 139.5

157 119.6 59.8 179.4



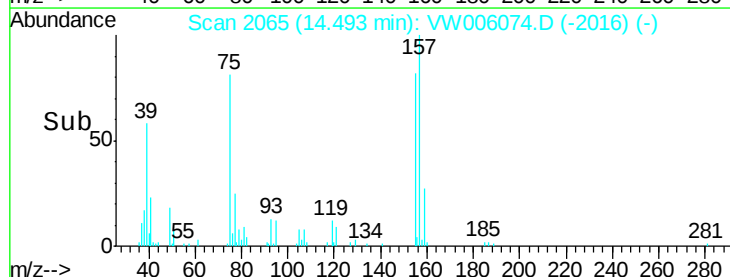
Abundance Ion 74.90 (74.60 to 75.60): VW

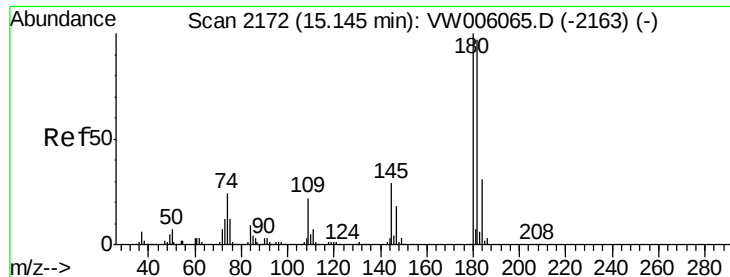
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.49

Time-->

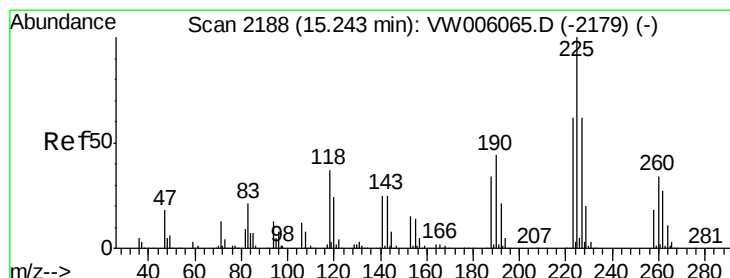
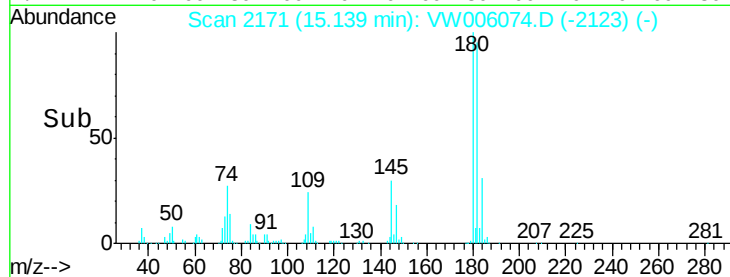
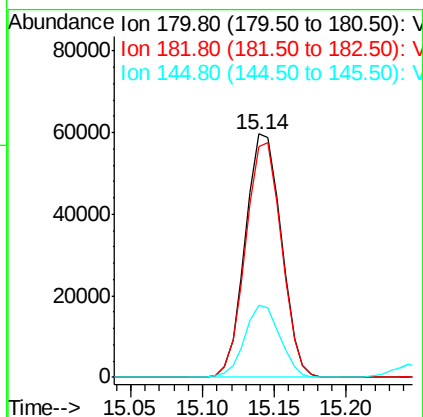
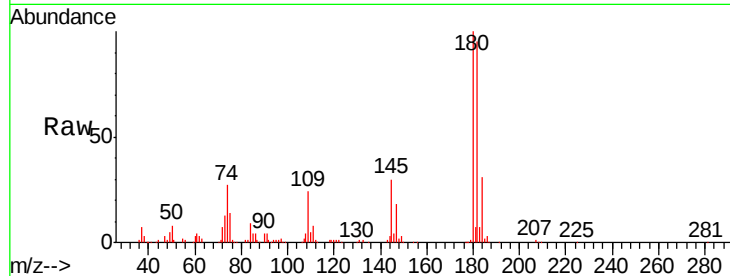




#93
 1,2,4-Trichlorobenzene
 Concen: 20.30 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

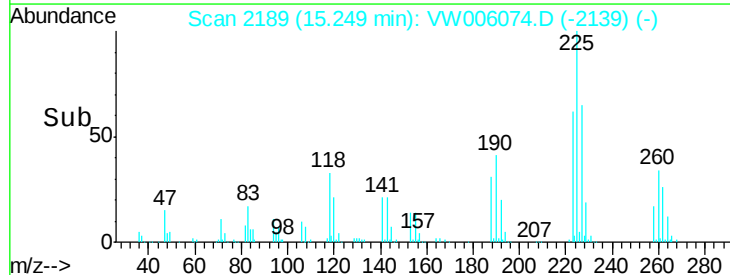
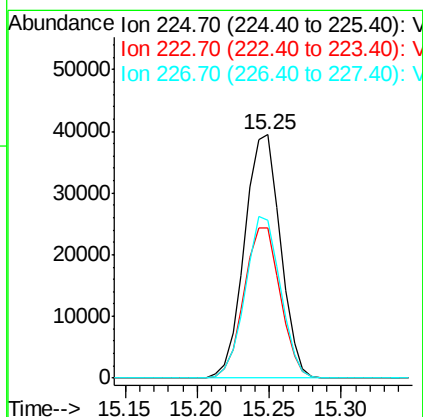
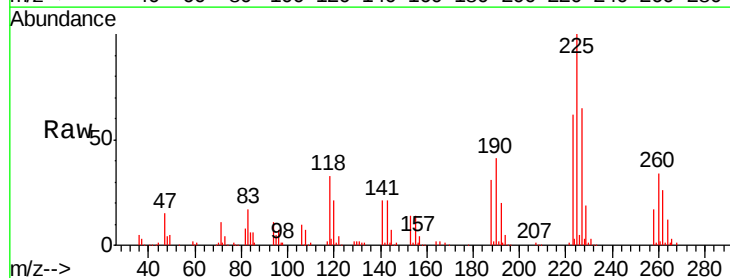
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1016SBSD01

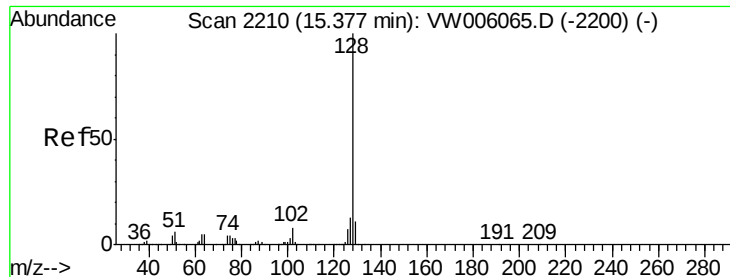
Tgt Ion:180 Resp: 103508
 Ion Ratio Lower Upper
 180 100
 182 96.0 47.9 143.6
 145 29.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 21.19 ug/l
 RT: 15.25 min Scan# 2189
 Delta R.T. 0.01 min
 Lab File: VW006074.D
 Acq: 16 Oct 2018 13:18

Tgt Ion:225 Resp: 67850
 Ion Ratio Lower Upper
 225 100
 223 62.6 31.1 93.5
 227 64.9 32.4 97.0





#95

Naphthalene

Concen: 19.20 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

Instrument :

MSVOA_W

ClientSampleId :

VW1016SBSD01

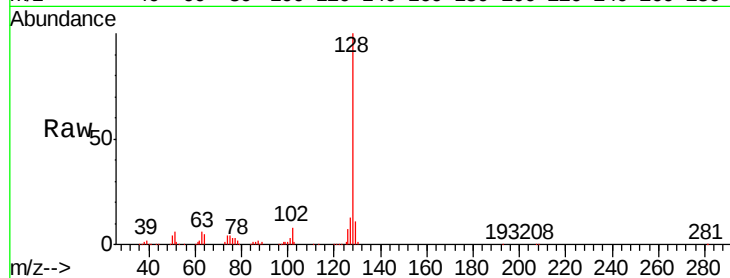
Tgt Ion:128 Resp: 162788

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

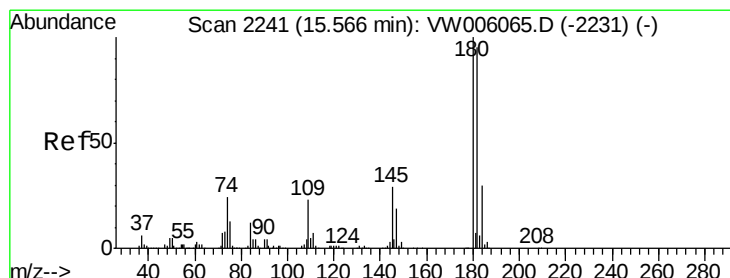
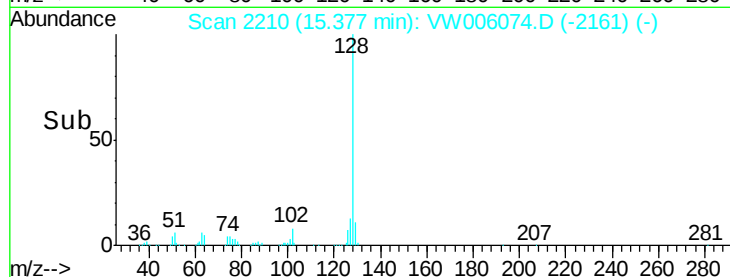
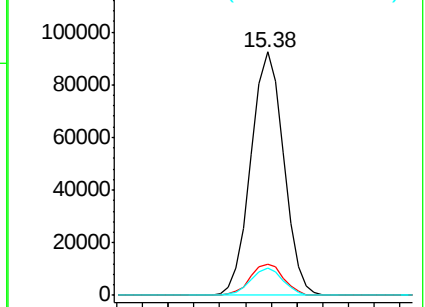
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.00 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW006074.D

Acq: 16 Oct 2018 13:18

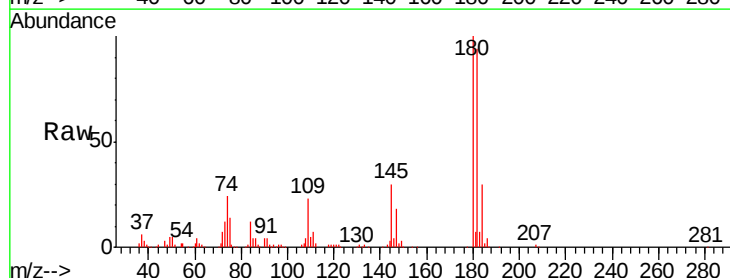
Tgt Ion:180 Resp: 88198

Ion Ratio Lower Upper

180 100

182 96.7 47.8 143.3

145 30.3 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

