

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
 Data File : VW006655.D
 Acq On : 06 Nov 2018 01:09
 Operator : SY/AP
 Sample : VW1105SBS02
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

Quant Time: Nov 06 03:23:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	190156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	285586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	282228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	162733	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	102332	62.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.20%	
35) Dibromofluoromethane	7.88	113	106837	59.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.22%	
50) Toluene-d8	10.33	98	384769	56.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.78%	
62) 4-Bromofluorobenzene	12.62	95	142193	57.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	19239	19.517	ug/l	98
3) Chloromethane	2.21	50	26741	21.925	ug/l	98
4) Vinyl Chloride	2.37	62	36225	21.271	ug/l	99
5) Bromomethane	2.79	94	35680	24.965	ug/l	90
6) Chloroethane	2.93	64	27943	23.483	ug/l	98
7) Trichlorofluoromethane	3.26	101	30772	20.462	ug/l	96
8) Diethyl Ether	3.68	74	19995	24.322	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	35208	21.924	ug/l	100
10) Methyl Iodide	4.26	142	65961	22.653	ug/l	99
11) Tert butyl alcohol	5.24	59	10734	121.881	ug/l	98
12) 1,1-Dichloroethene	4.04	96	32893	21.207	ug/l	98
13) Acrolein	3.90	56	11560	104.363	ug/l	99
14) Allyl chloride	4.67	41	45517	22.482	ug/l	99
15) Acrylonitrile	5.37	53	37987	128.872	ug/l	99
16) Acetone	4.14	43	36406	137.954	ug/l	98
17) Carbon Disulfide	4.37	76	94866	21.493	ug/l	98
18) Methyl Acetate	4.68	43	19098	25.167	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	57400	24.862	ug/l	98
20) Methylene Chloride	4.92	84	47056	24.463	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	40645	23.158	ug/l	96
22) Diisopropyl ether	6.31	45	108249	25.646	ug/l	97
23) Vinyl Acetate	6.26	43	294732	125.918	ug/l	98
24) 1,1-Dichloroethane	6.21	63	68966	24.109	ug/l	100
25) 2-Butanone	7.18	43	48314	128.298	ug/l	95
26) 2,2-Dichloropropane	7.17	77	39887	23.147	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	46977	23.924	ug/l	99
28) Bromochloromethane	7.51	49	27994	24.645	ug/l	99
29) Tetrahydrofuran	7.54	42	30108	127.114	ug/l	98
30) Chloroform	7.68	83	77348	24.662	ug/l	97
31) Cyclohexane	7.95	56	52090	20.007	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	60365	22.746	ug/l	99
36) 1,1-Dichloropropene	8.08	75	52600	20.944	ug/l	99
37) Ethyl Acetate	7.26	43	22536	25.894	ug/l	98
38) Carbon Tetrachloride	8.07	117	56274	21.444	ug/l	98

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W110218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 01 03:48:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	60751	19.062	ug/l	95
40) Benzene	8.32	78	166007	23.272	ug/l	100
41) Methacrylonitrile	7.49	41	12018	22.519	ug/l	93
42) 1,2-Dichloroethane	8.40	62	50305	24.590	ug/l	99
43) Isopropyl Acetate	8.43	43	42535	24.491	ug/l	98
44) Trichloroethene	9.09	130	48598	22.077	ug/l	97
45) 1,2-Dichloropropane	9.37	63	40489	24.390	ug/l	98
46) Dibromomethane	9.46	93	24082	24.678	ug/l	98
47) Bromodichloromethane	9.65	83	55109	24.321	ug/l	99
48) Methyl methacrylate	9.44	41	20246	24.196	ug/l	98
49) 1,4-Dioxane	9.48	88	7043	493.152	ug/l #	1
51) 4-Methyl-2-Pentanone	10.21	43	110576	123.971	ug/l	98
52) Toluene	10.39	92	110189	23.030	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	52703	24.168	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	60913	23.638	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	34243	24.731	ug/l	99
56) Ethyl methacrylate	10.65	69	36984	23.501	ug/l	97
57) 1,3-Dichloropropane	10.93	76	56115	24.958	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	91009	118.964	ug/l	100
59) 2-Hexanone	10.98	43	75261	124.233	ug/l	98
60) Dibromochloromethane	11.13	129	41583	25.348	ug/l	100
61) 1,2-Dibromoethane	11.24	107	34059	24.770	ug/l	99
64) Tetrachloroethene	10.87	164	47593	21.155	ug/l	97
65) Chlorobenzene	11.66	112	133533	22.484	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	47726	22.864	ug/l	98
67) Ethyl Benzene	11.74	91	210500	21.206	ug/l	99
68) m/p-Xylenes	11.85	106	171930	43.352	ug/l	99
69) o-Xylene	12.17	106	82099	21.744	ug/l	100
70) Styrene	12.18	104	136885	22.237	ug/l	100
71) Bromoform	12.35	173	26476	23.927	ug/l #	98
73) Isopropylbenzene	12.47	105	215720	20.123	ug/l	99
74) N-amyl acetate	12.28	43	39911	21.545	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	39208	23.157	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	48357	38.086	ug/l #	100
77) Bromobenzene	12.75	156	61313	22.090	ug/l	99
78) n-propylbenzene	12.81	91	253993	20.599	ug/l	100
79) 2-Chlorotoluene	12.90	91	151007	21.339	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	190157	21.114	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	9906	21.790	ug/l	98
82) 4-Chlorotoluene	12.99	91	161780	21.609	ug/l	99
83) tert-Butylbenzene	13.21	119	164126	20.435	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	199115	21.555	ug/l	99
85) sec-Butylbenzene	13.39	105	230310	20.475	ug/l	99
86) p-Isopropyltoluene	13.51	119	208329	20.354	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	120523	22.049	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	121263	22.380	ug/l	99
89) n-Butylbenzene	13.83	91	183958	20.247	ug/l	99
90) Hexachloroethane	14.10	117	35750	21.252	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	111040	22.584	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	5996	21.825	ug/l	98

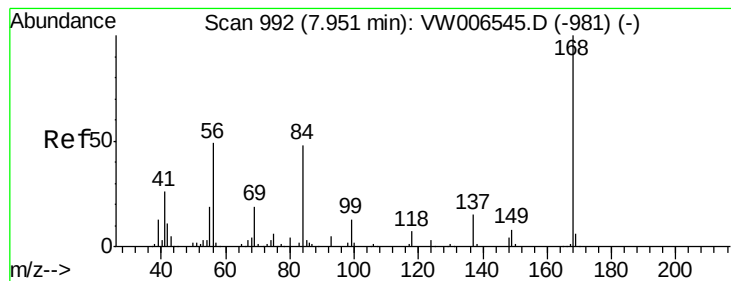
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW110518\
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Quant Title : SW846 8260
QLast Update : Thu Nov 01 03:48:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	79551	21.759	ug/l	99
94) Hexachlorobutadiene	15.24	225	47227	20.726	ug/l	99
95) Naphthalene	15.38	128	125723	21.396	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	70914	22.069	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

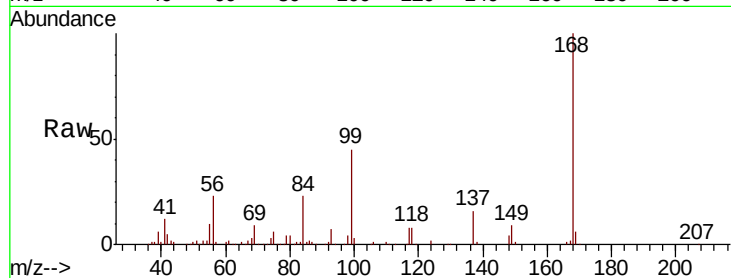
VW1105SBS02

Tgt Ion:168 Resp: 190156

Ion Ratio Lower Upper

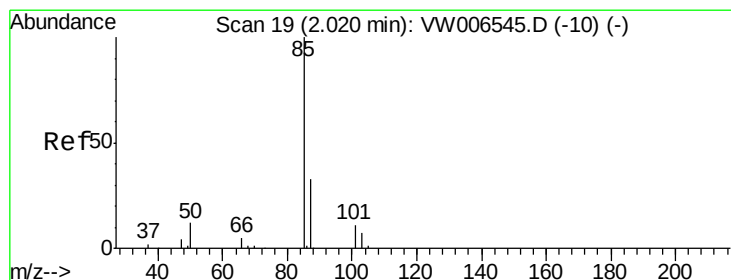
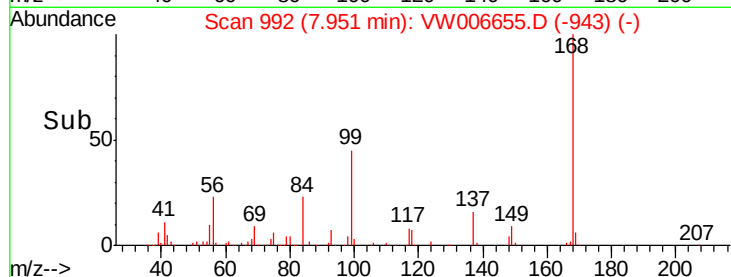
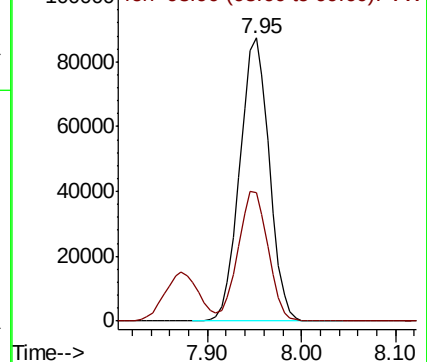
168 100

99 45.4 37.4 56.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 19.517 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW006655.D

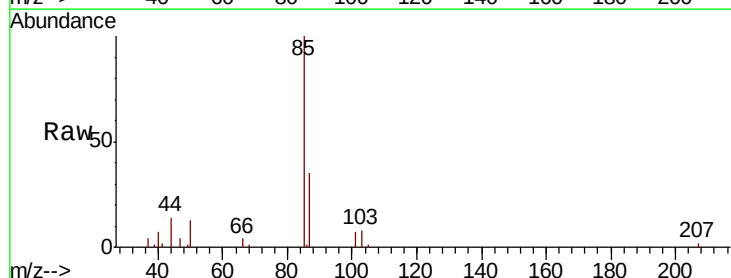
Acq: 06 Nov 2018 01:09

Tgt Ion: 85 Resp: 19239

Ion Ratio Lower Upper

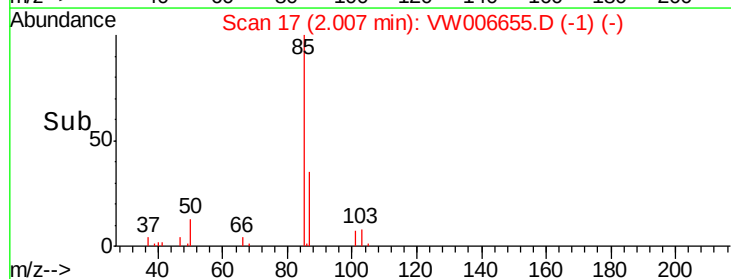
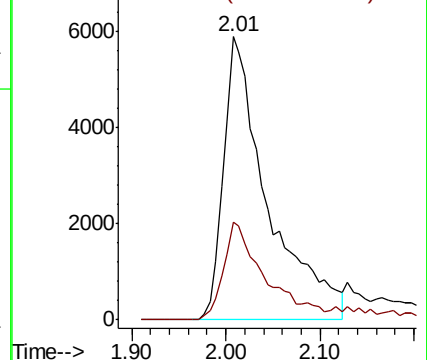
85 100

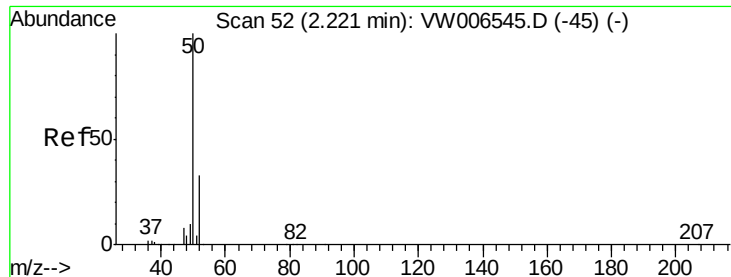
87 34.8 16.8 50.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 21.925 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

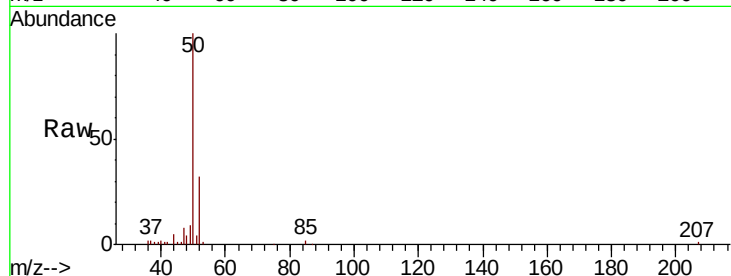
VW1105SBS02

Tgt Ion: 50 Resp: 26741

Ion Ratio Lower Upper

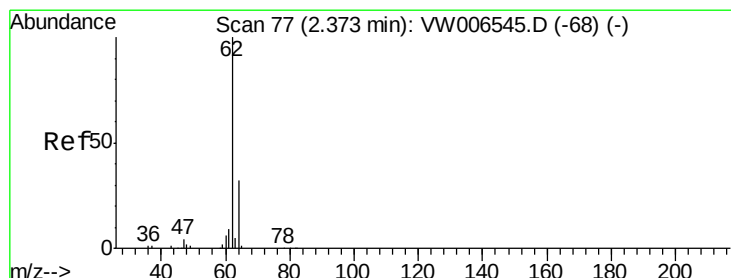
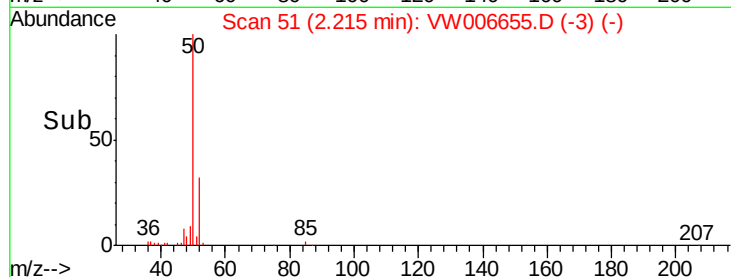
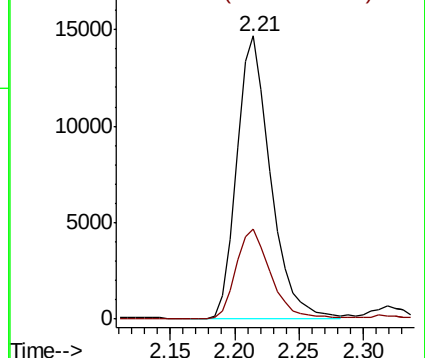
50 100

52 31.8 26.2 39.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 21.271 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.01 min

Lab File: VW006655.D

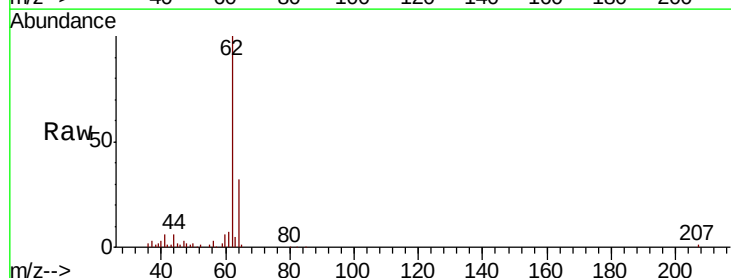
Acq: 06 Nov 2018 01:09

Tgt Ion: 62 Resp: 36225

Ion Ratio Lower Upper

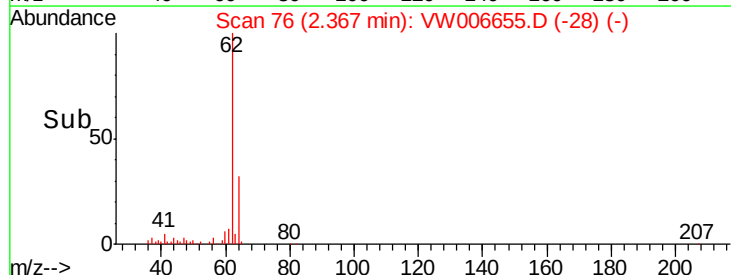
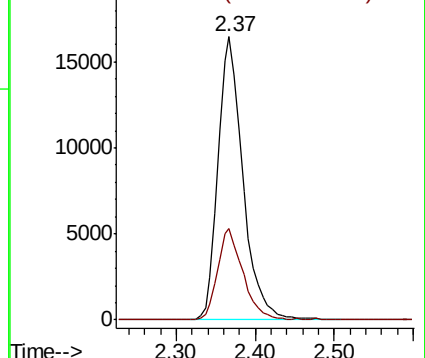
62 100

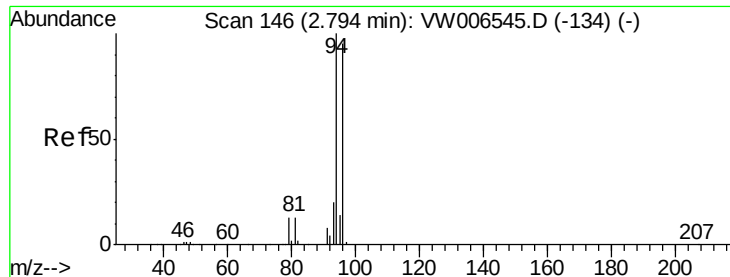
64 32.3 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 24.965 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

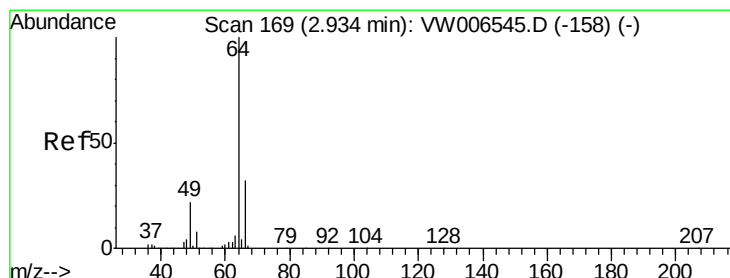
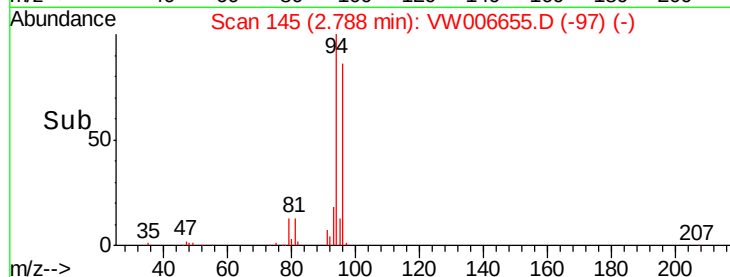
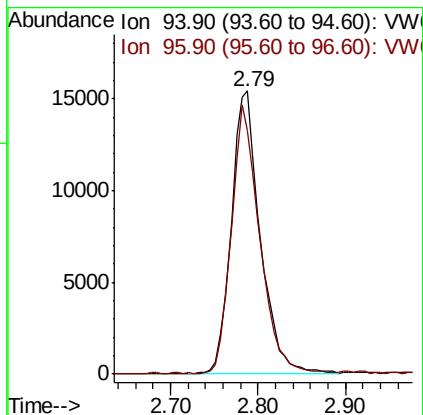
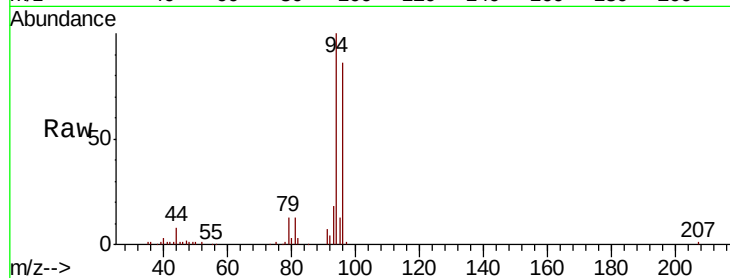
VW1105SBS02

Tgt Ion: 94 Resp: 35680

Ion Ratio Lower Upper

94 100

96 85.3 75.7 113.5



#6

Chloroethane

Concen: 23.483 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW006655.D

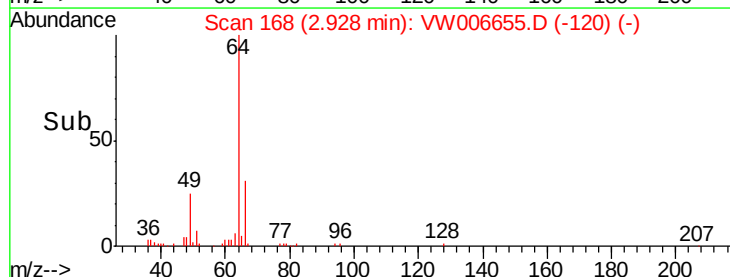
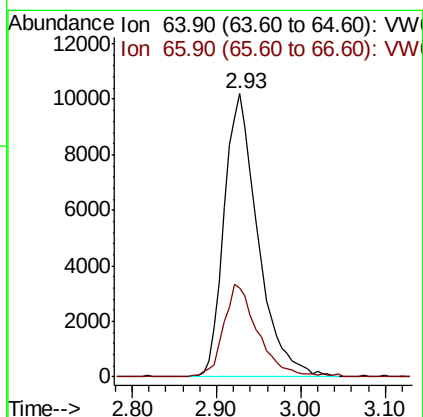
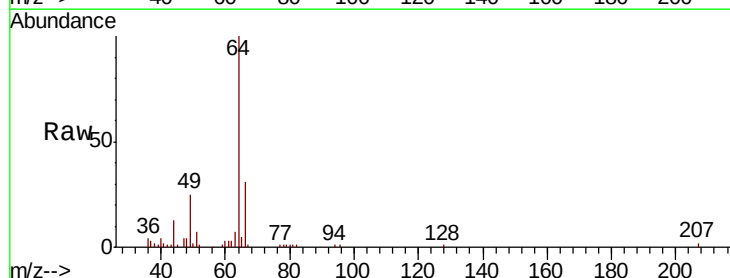
Acq: 06 Nov 2018 01:09

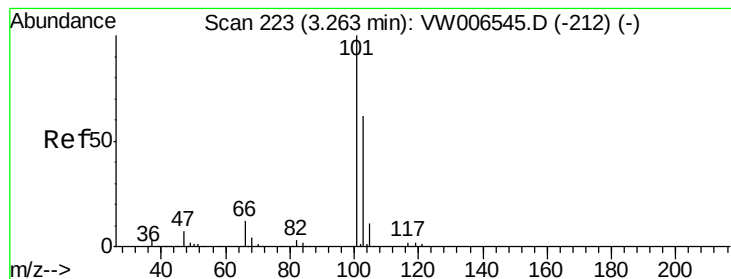
Tgt Ion: 64 Resp: 27943

Ion Ratio Lower Upper

64 100

66 31.2 25.9 38.9



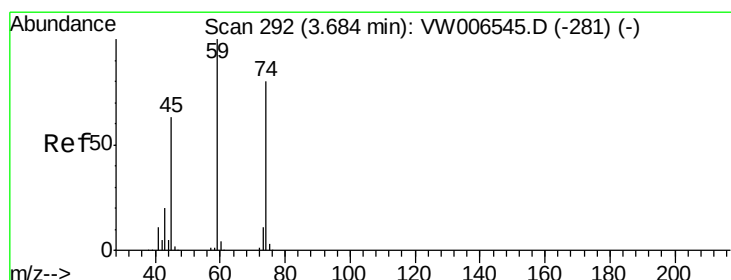
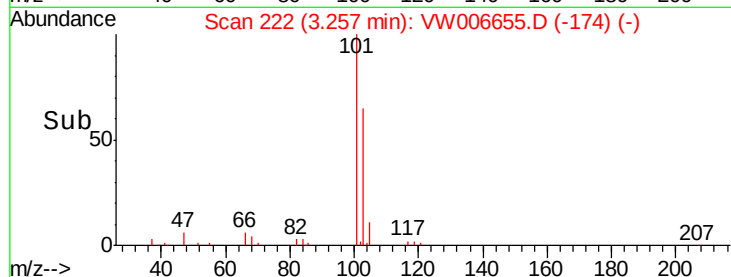
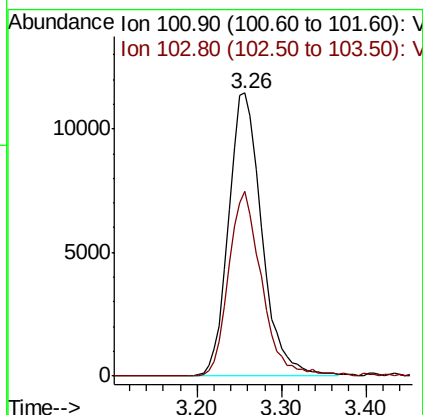
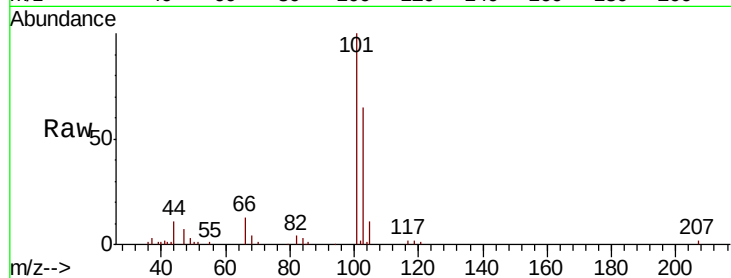


#7

Trichlorofluoromethane
Concen: 20.462 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

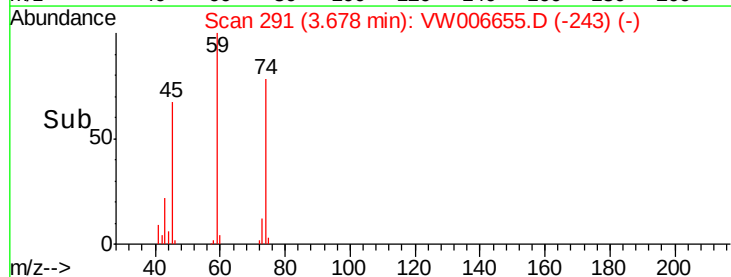
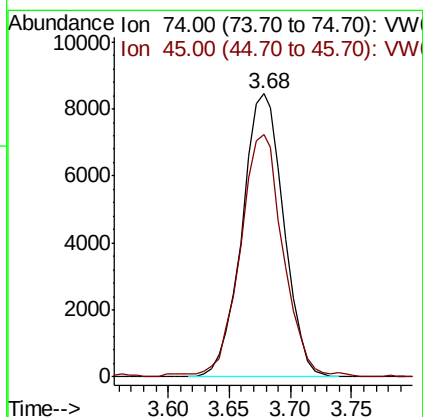
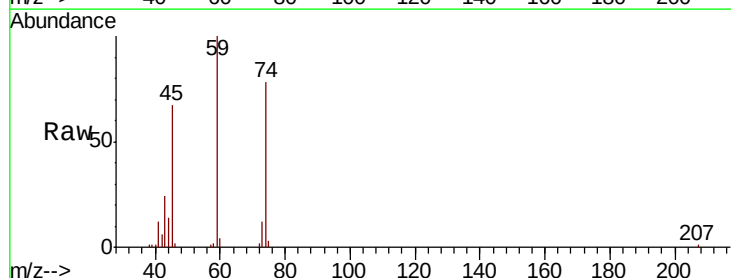
Tgt Ion:101 Resp: 30772
Ion Ratio Lower Upper
101 100
103 65.4 49.8 74.8

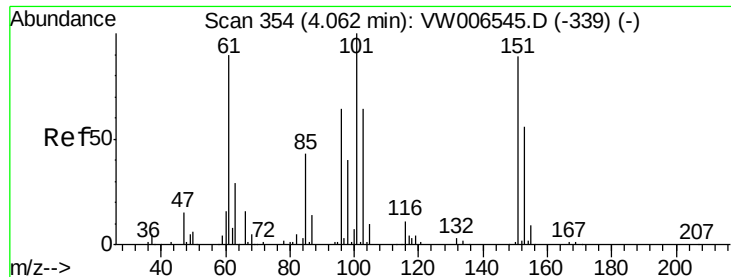


#8

Diethyl Ether
Concen: 24.322 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 74 Resp: 19995
Ion Ratio Lower Upper
74 100
45 88.9 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.924 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

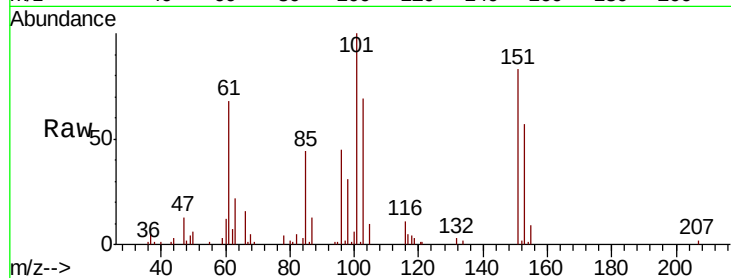
Tgt Ion:101 Resp: 35208

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

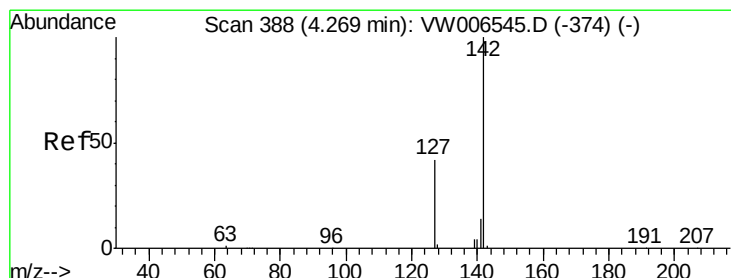
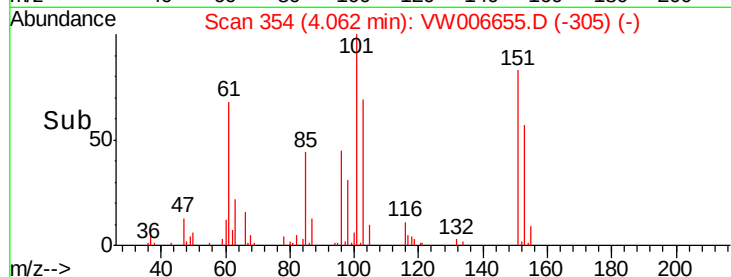
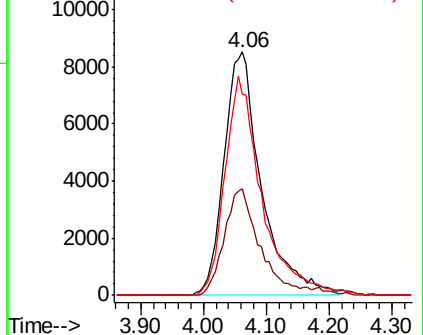
151 88.7 70.7 106.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.653 ug/l

RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

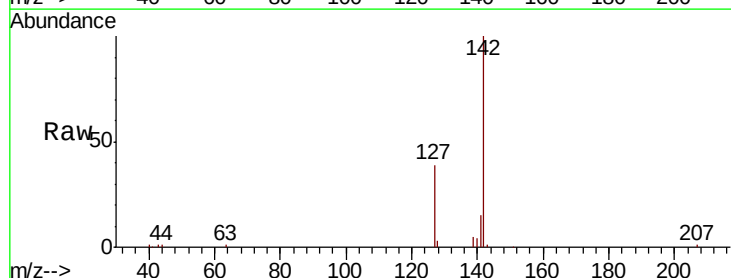
Tgt Ion:142 Resp: 65961

Ion Ratio Lower Upper

142 100

127 40.2 32.3 48.5

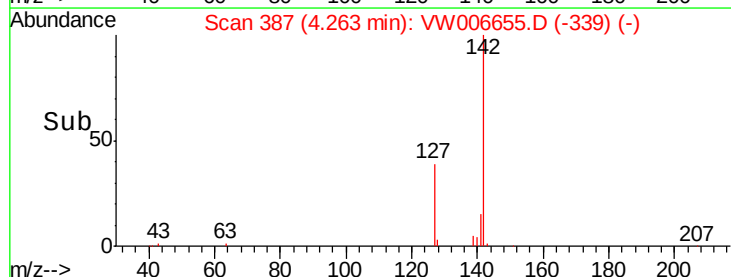
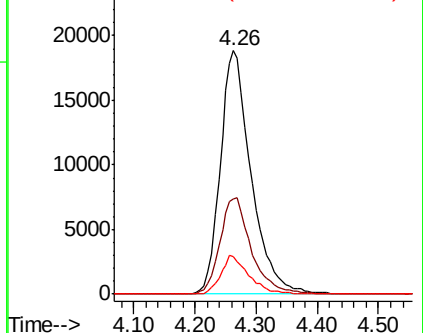
141 14.5 11.3 16.9

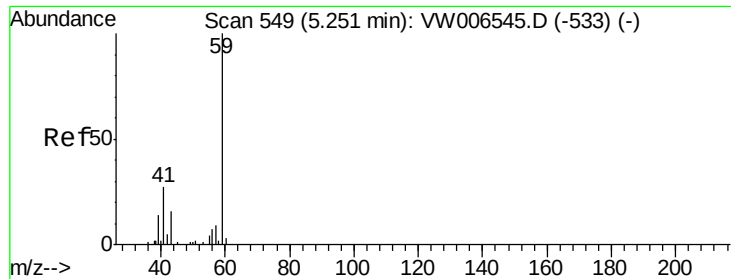


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

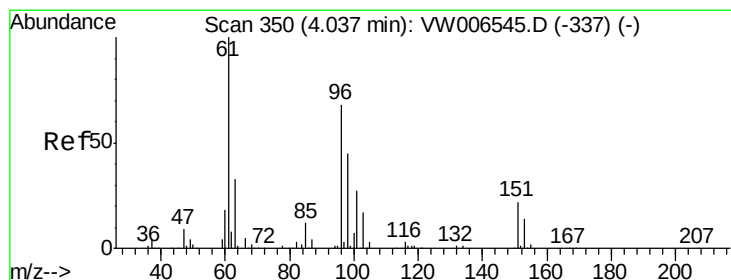
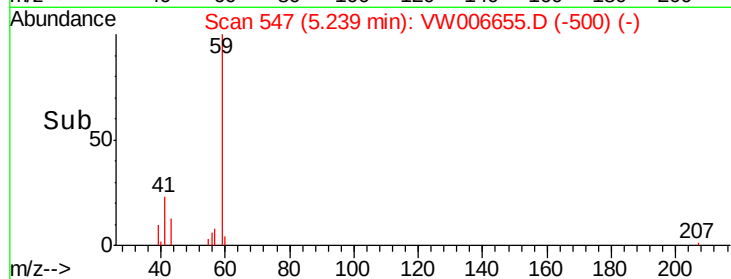
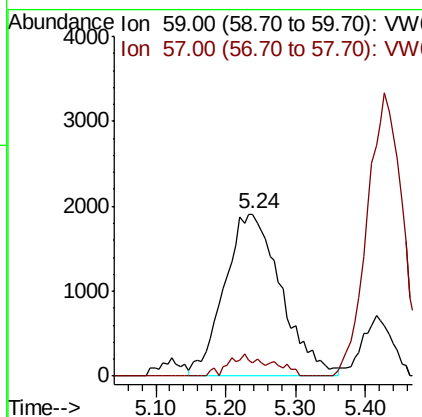
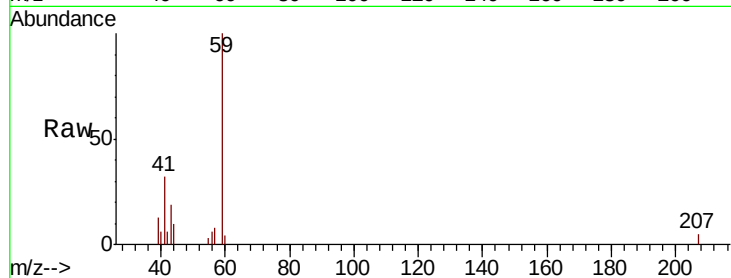




#11
Tert butyl alcohol
Concen: 121.881 ug/l
RT: 5.24 min Scan# 547
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

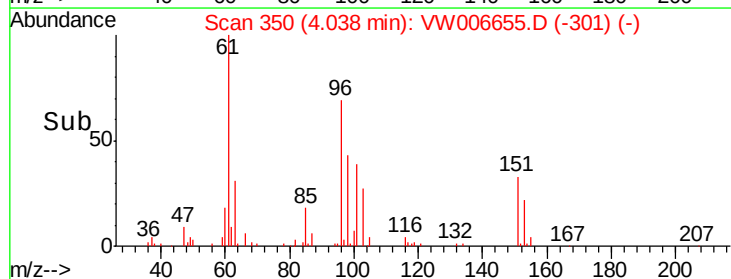
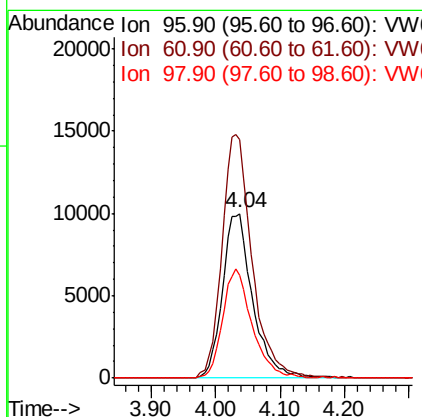
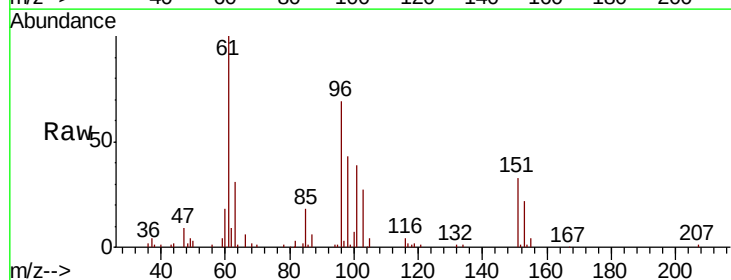
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

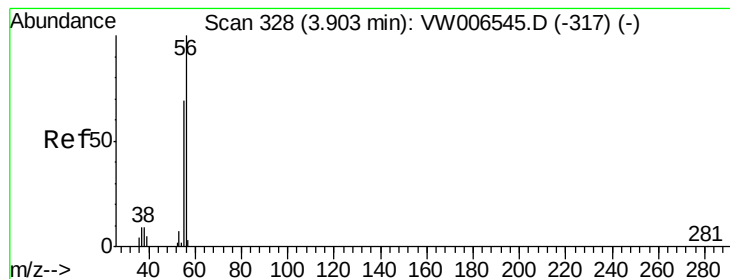
Tgt Ion: 59 Resp: 10734
Ion Ratio Lower Upper
59 100
57 4.9 4.3 6.5



#12
1,1-Dichloroethene
Concen: 21.207 ug/l
RT: 4.04 min Scan# 350
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 96 Resp: 32893
Ion Ratio Lower Upper
96 100
61 144.6 117.0 175.4
98 62.3 52.5 78.7





#13

Acrolein

Concen: 104.363 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

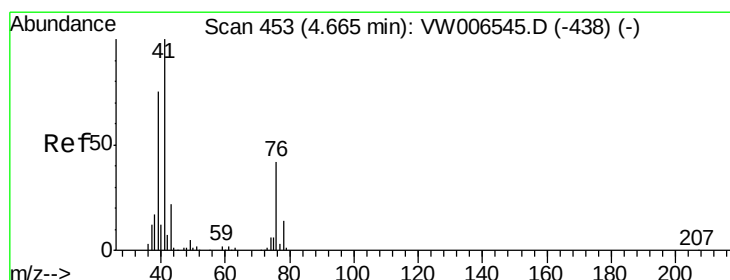
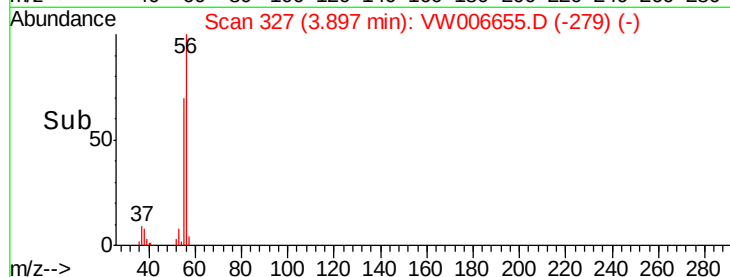
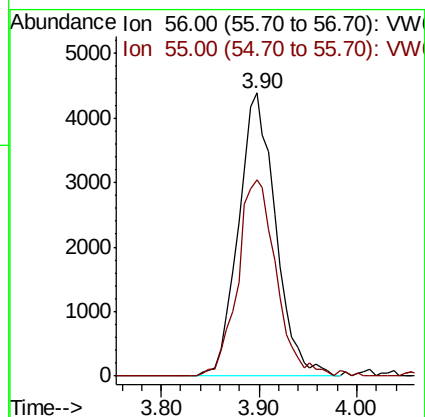
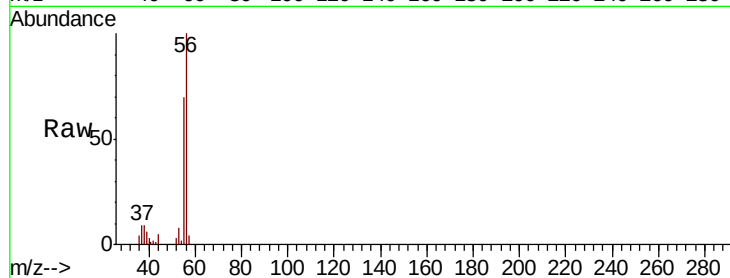
VW1105SBS02

Tgt Ion: 56 Resp: 11560

Ion Ratio Lower Upper

56 100

55 71.7 56.9 85.3



#14

Allyl chloride

Concen: 22.482 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

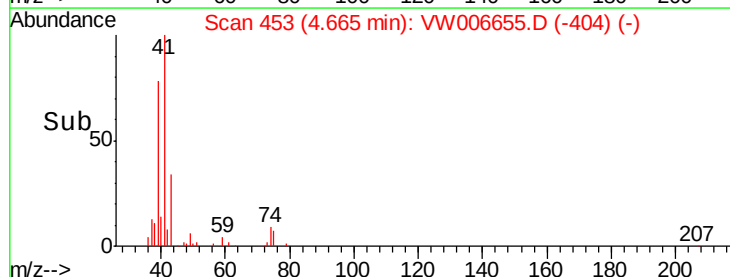
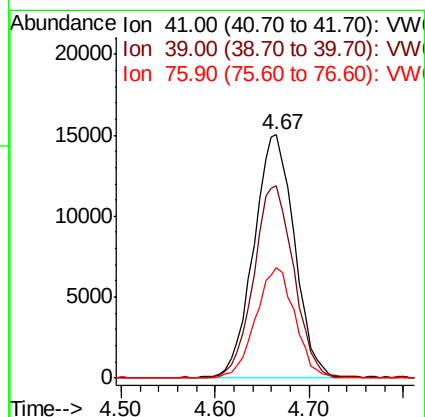
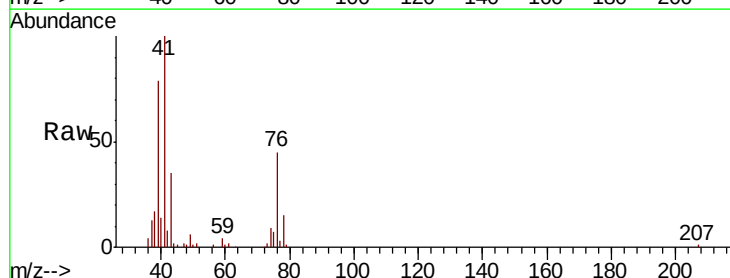
Tgt Ion: 41 Resp: 45517

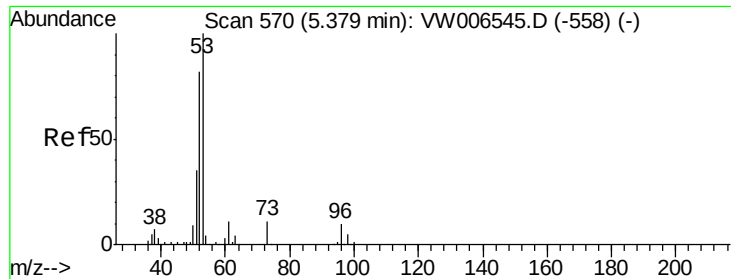
Ion Ratio Lower Upper

41 100

39 78.2 62.1 93.1

76 43.6 34.2 51.2





#15

Acrylonitrile

Concen: 128.872 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

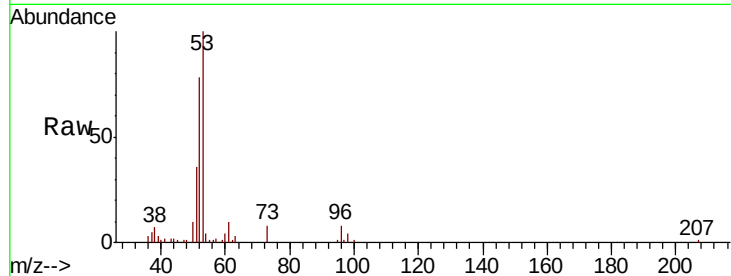
Tgt Ion: 53 Resp: 37987

Ion Ratio Lower Upper

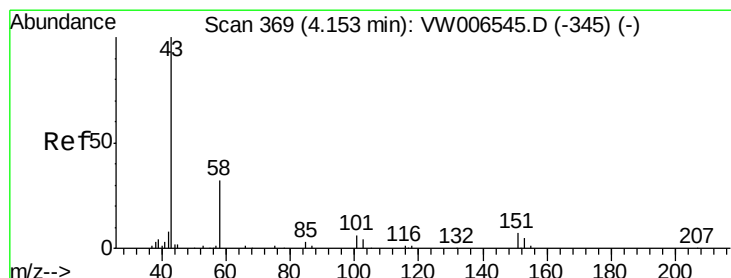
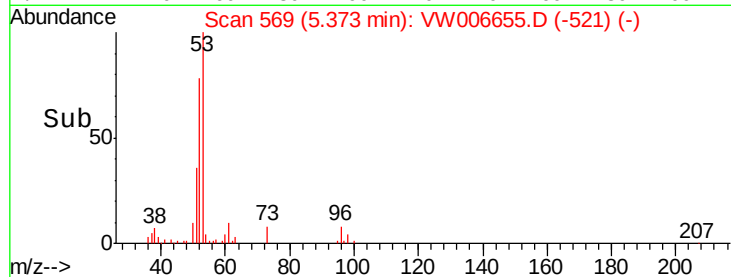
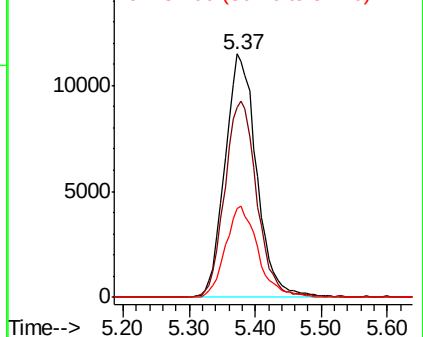
53 100

52 81.5 65.8 98.8

51 38.2 29.6 44.4



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



#16

Acetone

Concen: 137.954 ug/l

RT: 4.14 min Scan# 367

Delta R.T. -0.01 min

Lab File: VW006655.D

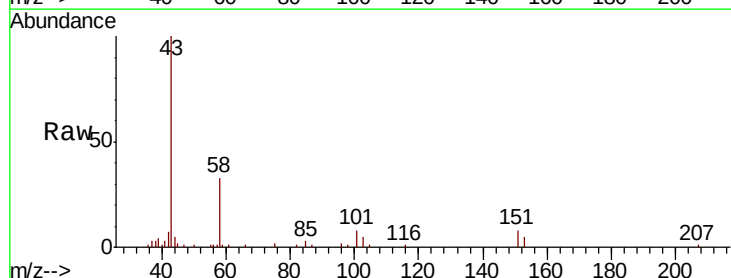
Acq: 06 Nov 2018 01:09

Tgt Ion: 43 Resp: 36406

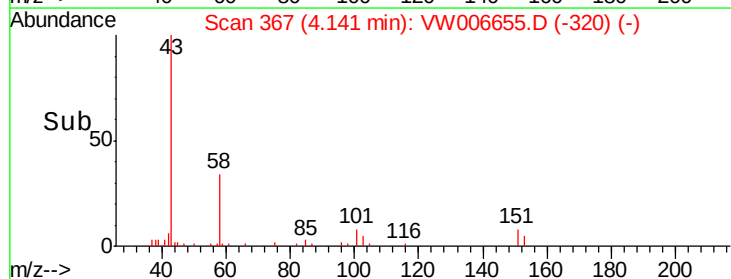
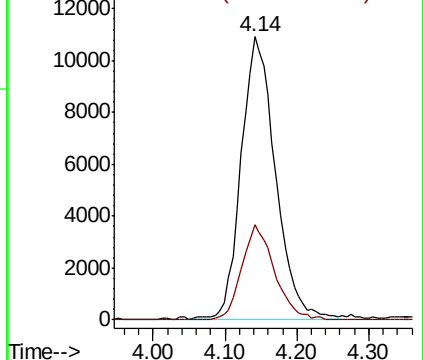
Ion Ratio Lower Upper

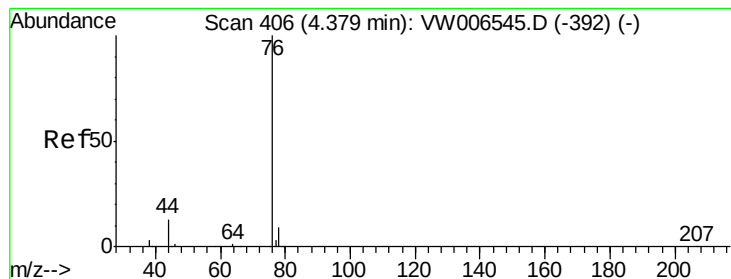
43 100

58 33.5 25.8 38.8



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





#17

Carbon Disulfide

Concen: 21.493 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

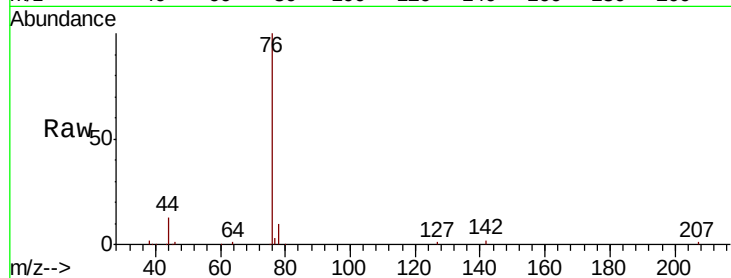
VW1105SBS02

Tgt Ion: 76 Resp: 94866

Ion Ratio Lower Upper

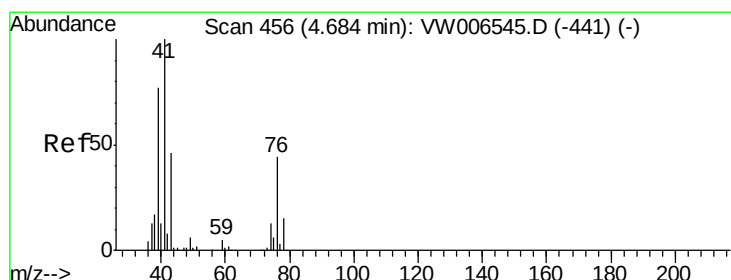
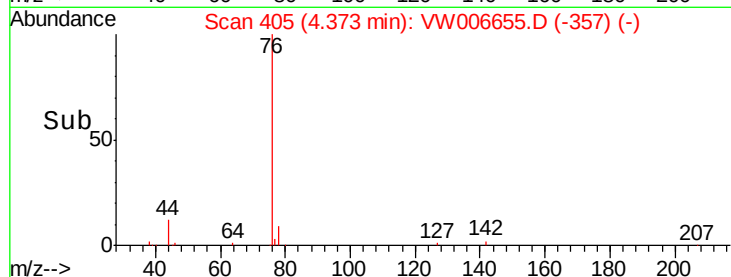
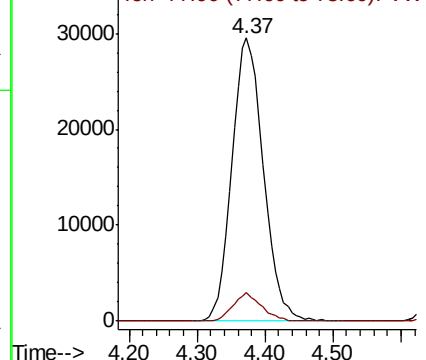
76 100

78 10.0 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.167 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW006655.D

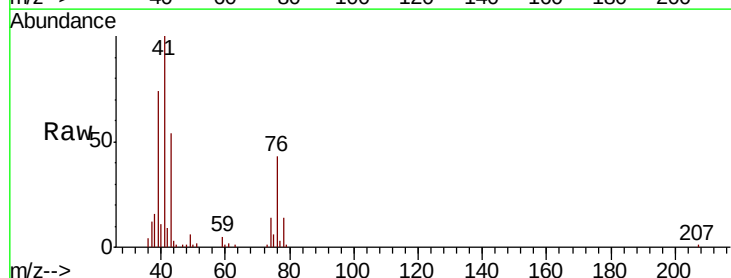
Acq: 06 Nov 2018 01:09

Tgt Ion: 43 Resp: 19098

Ion Ratio Lower Upper

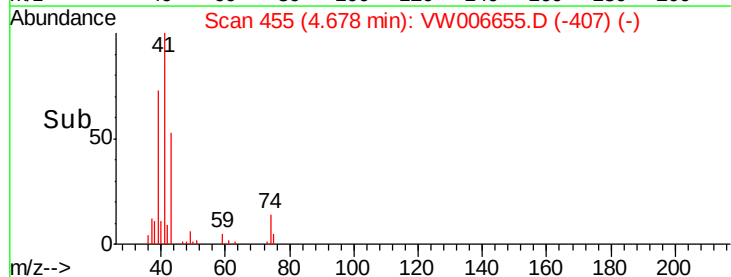
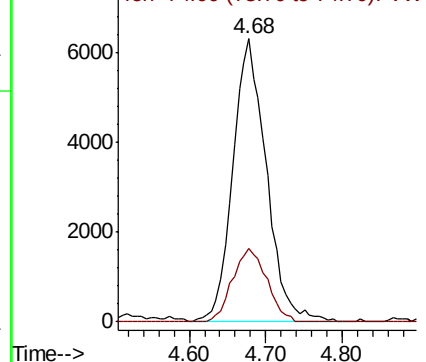
43 100

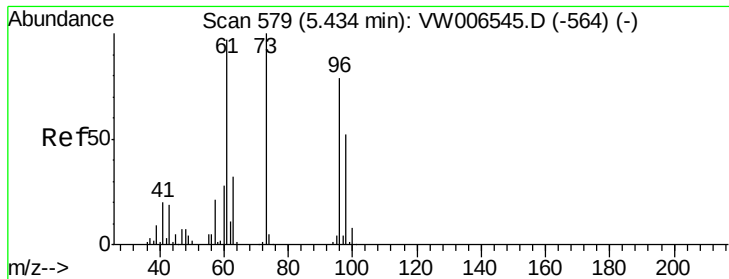
74 26.5 21.9 32.9



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: 24.862 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

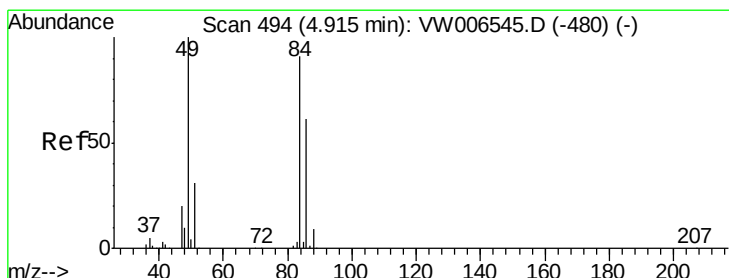
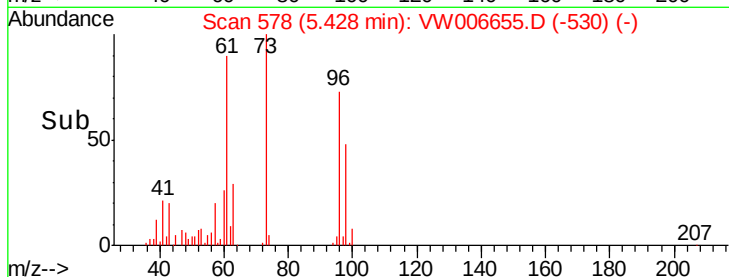
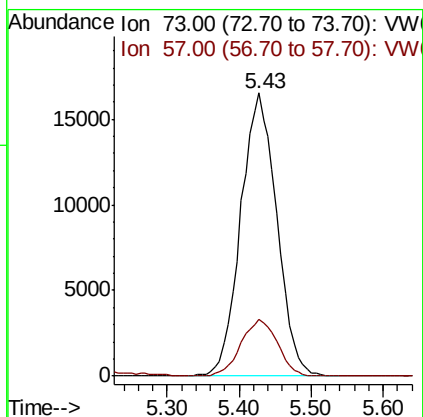
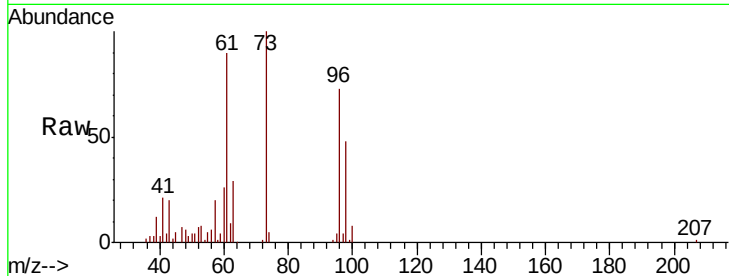
VW1105SBS02

Tgt Ion: 73 Resp: 57400

Ion Ratio Lower Upper

73 100

57 20.2 16.7 25.1



#20

Methylene Chloride

Concen: 24.463 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Tgt Ion: 84 Resp: 47056

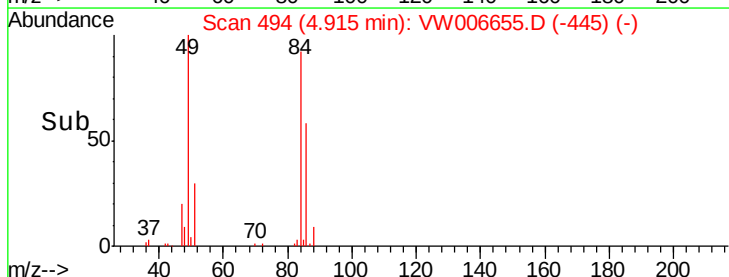
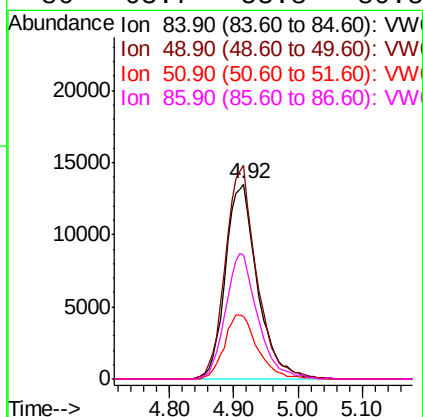
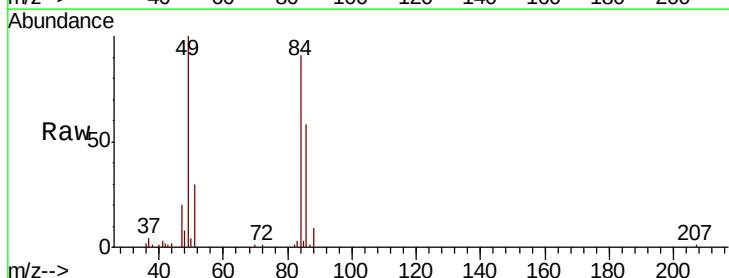
Ion Ratio Lower Upper

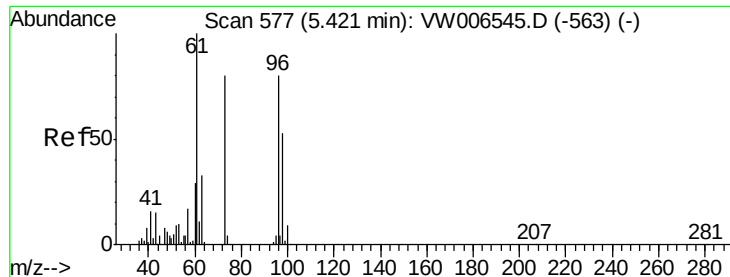
84 100

49 109.7 88.2 132.4

51 32.5 27.0 40.6

86 63.7 53.8 80.8





#21

trans-1,2-Dichloroethene

Concen: 23.158 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

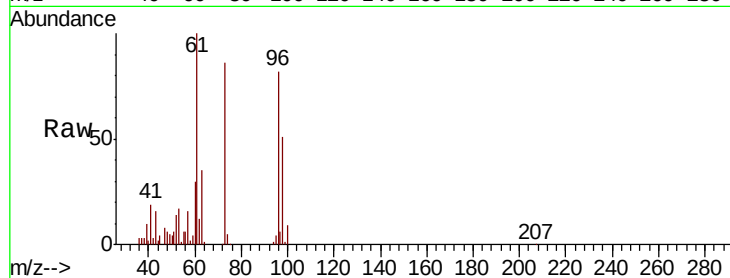
Tgt Ion: 96 Resp: 40645

Ion Ratio Lower Upper

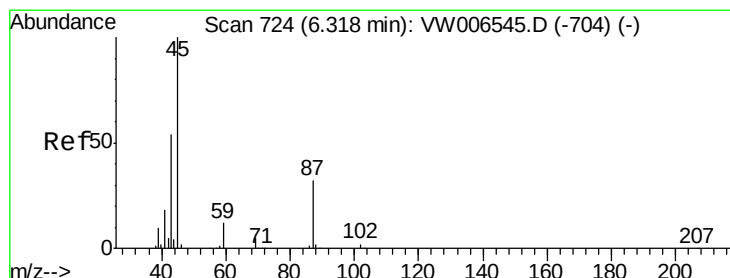
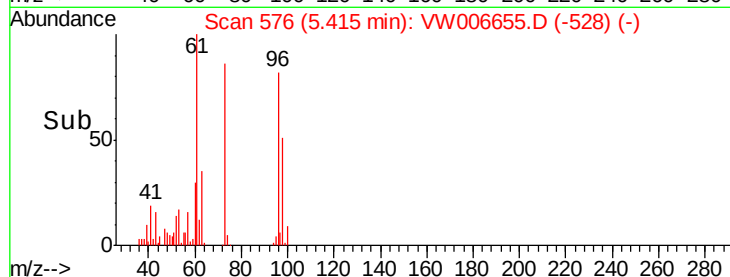
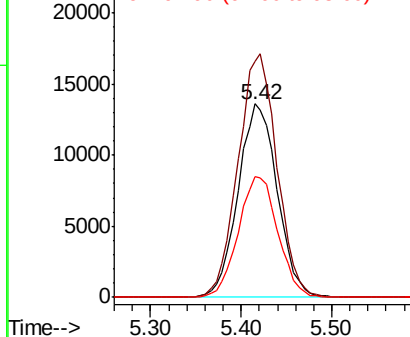
96 100

61 121.6 100.6 150.8

98 62.6 52.9 79.3



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



#22

Diisopropyl ether

Concen: 25.646 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Tgt Ion: 45 Resp: 108249

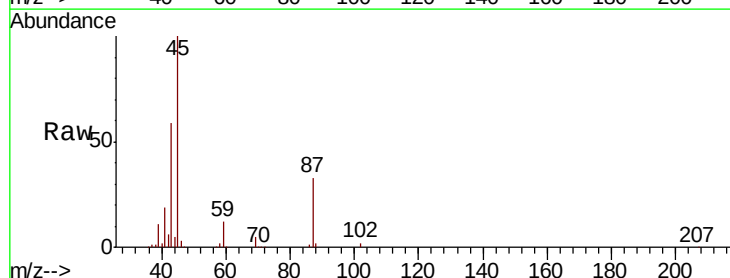
Ion Ratio Lower Upper

45 100

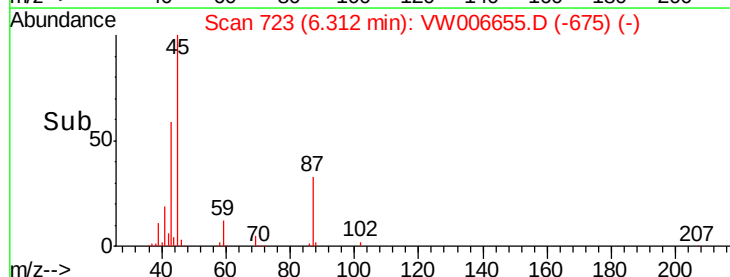
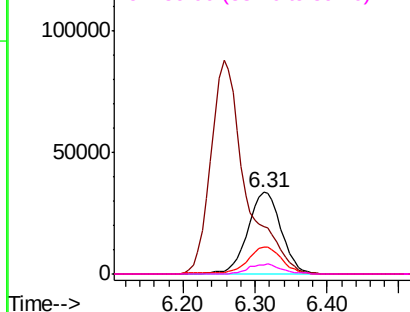
43 58.4 43.6 65.4

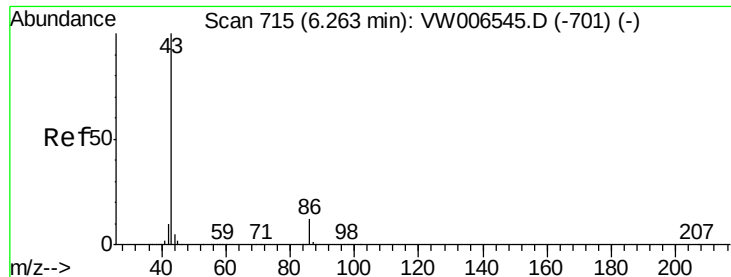
87 32.6 26.3 39.5

59 11.6 9.8 14.8



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





#23

Vinyl Acetate

Concen: 125.918 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

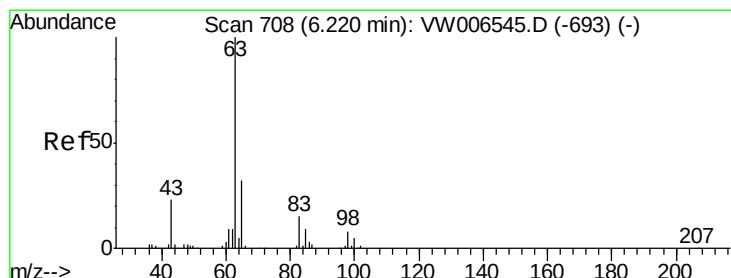
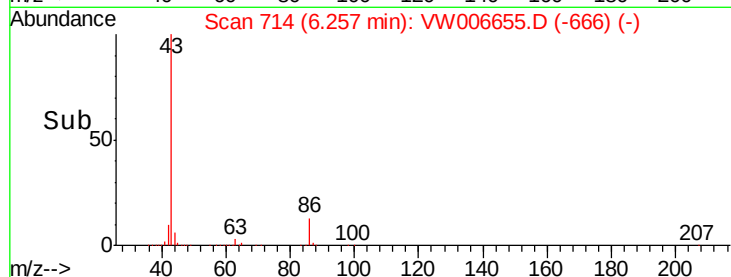
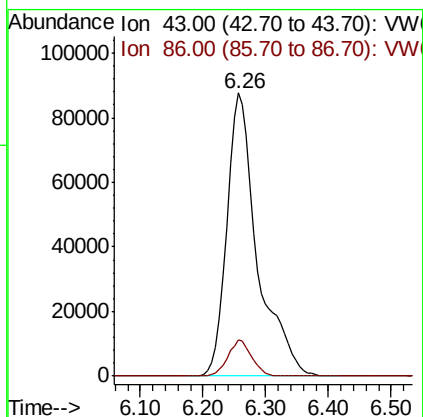
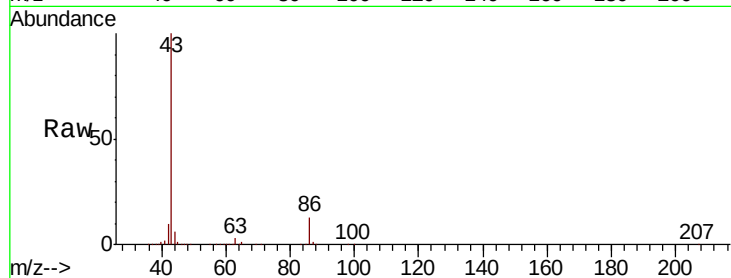
VW1105SBS02

Tgt Ion: 43 Resp: 294732

Ion Ratio Lower Upper

43 100

86 12.9 9.8 14.8



#24

1,1-Dichloroethane

Concen: 24.109 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

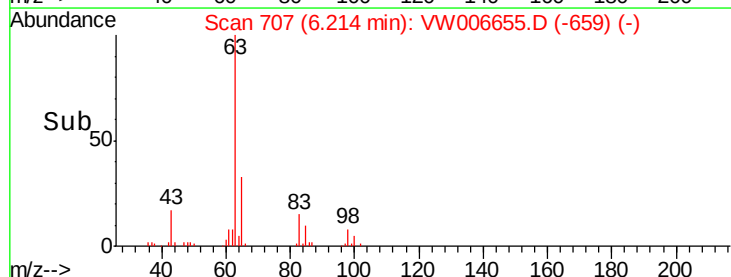
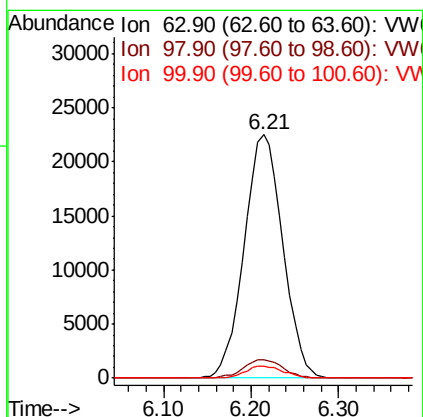
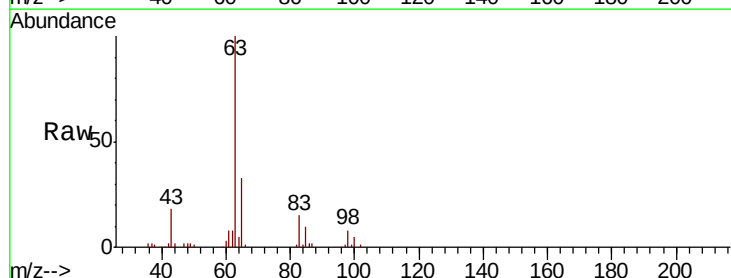
Tgt Ion: 63 Resp: 68966

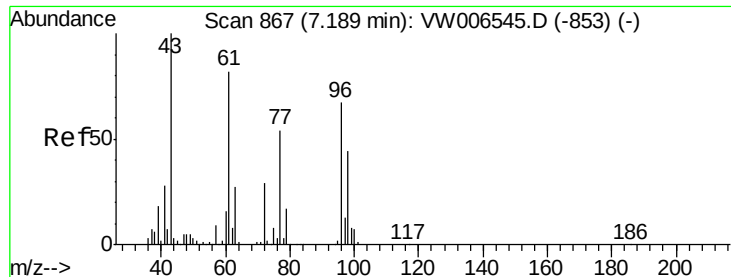
Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 5.0 2.4 7.2





#25

2-Butanone

Concen: 128.298 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

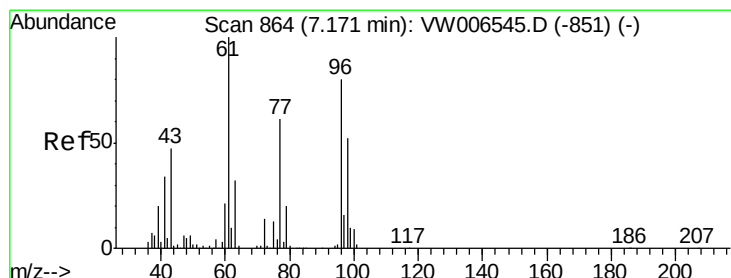
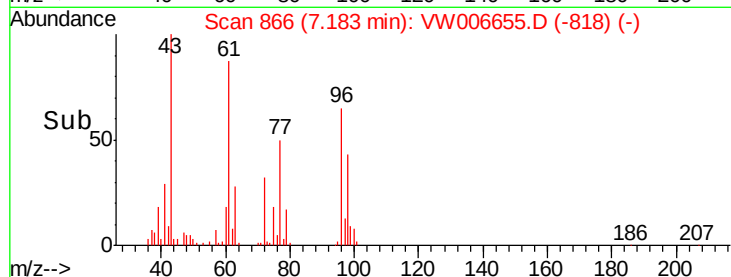
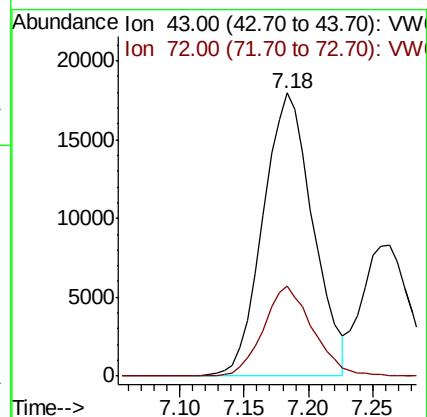
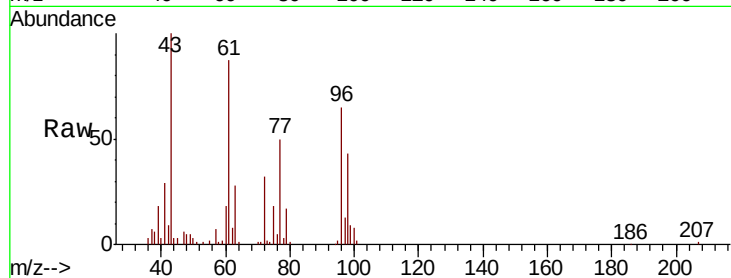
VW1105SBS02

Tgt Ion: 43 Resp: 48314

Ion Ratio Lower Upper

43 100

72 31.7 23.2 34.8



#26

2,2-Dichloropropane

Concen: 23.147 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW006655.D

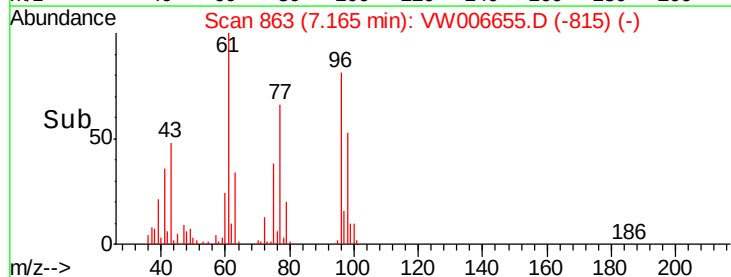
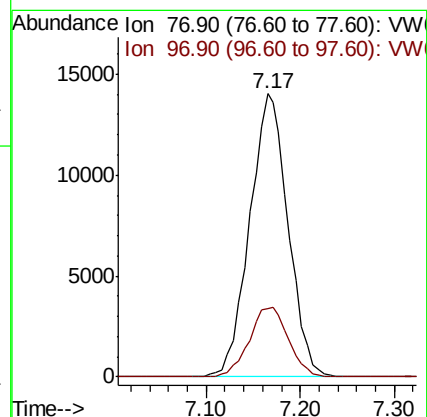
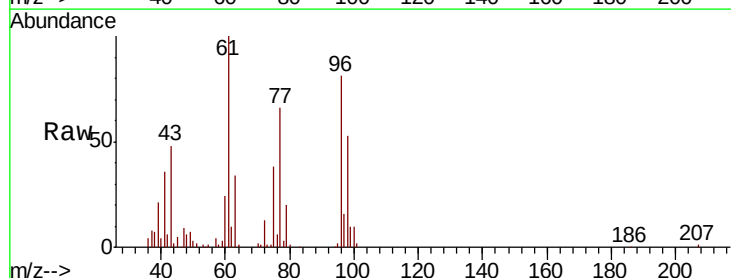
Acq: 06 Nov 2018 01:09

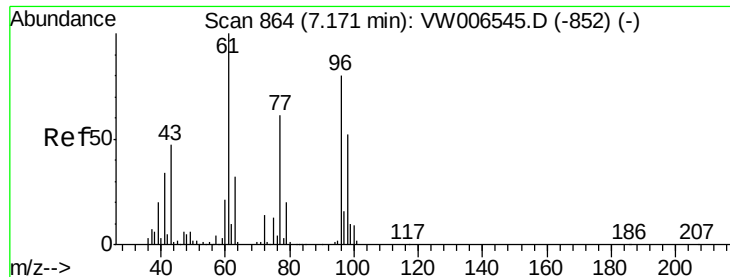
Tgt Ion: 77 Resp: 39887

Ion Ratio Lower Upper

77 100

97 25.2 12.8 38.4



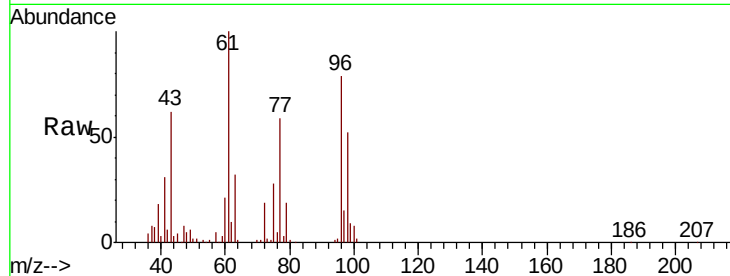


#27

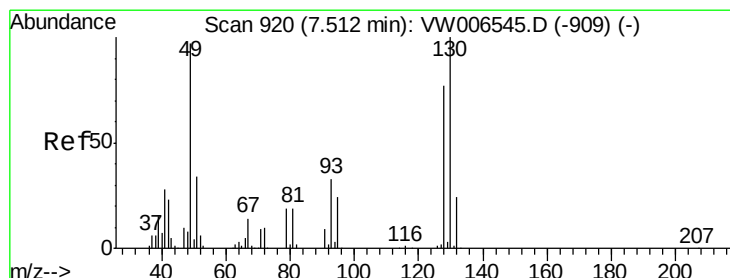
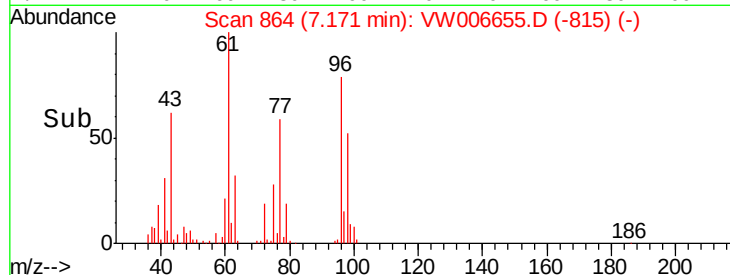
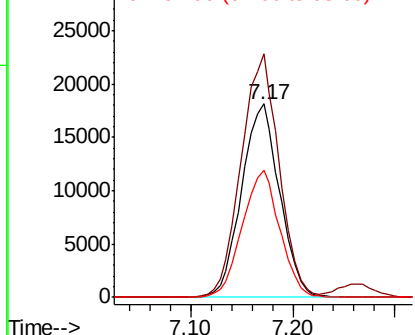
cis-1,2-Dichloroethene
 Concen: 23.924 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

Tgt Ion: 96 Resp: 46977
 Ion Ratio Lower Upper
 96 100
 61 125.5 0.0 254.2
 98 64.7 0.0 129.6



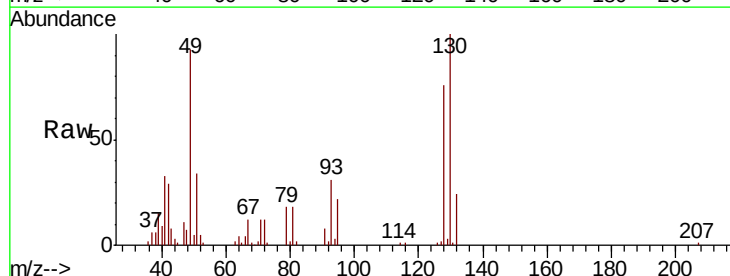
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



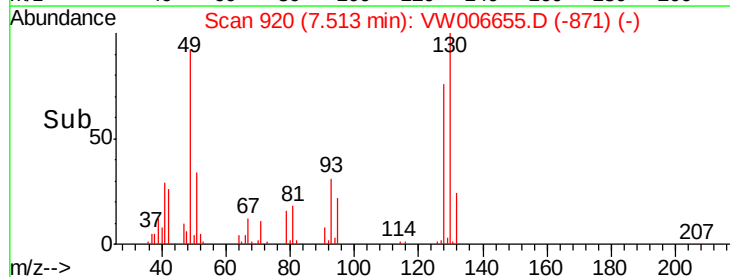
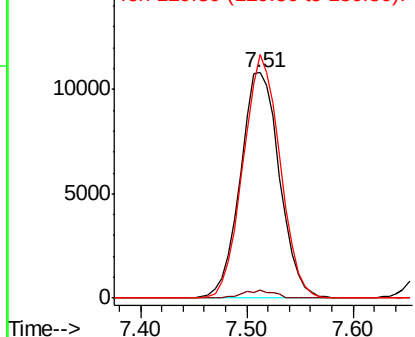
#28

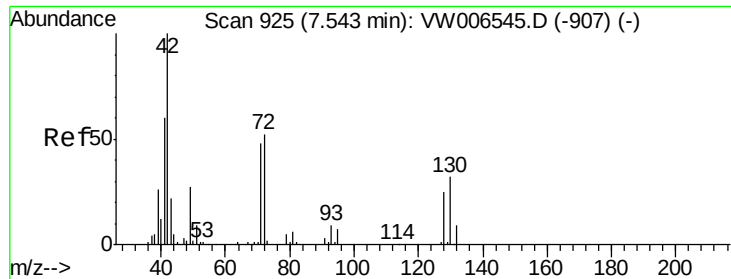
Bromochloromethane
 Concen: 24.645 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 49 Resp: 27994
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 5.6
 130 101.8 82.2 123.2



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

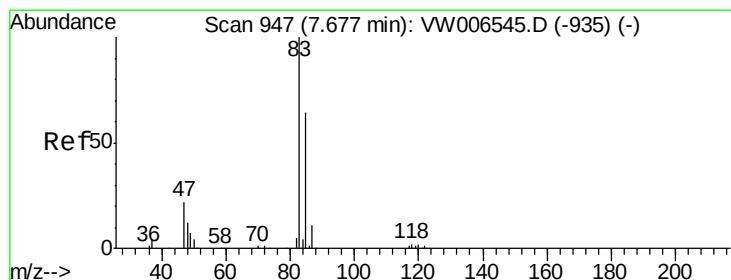
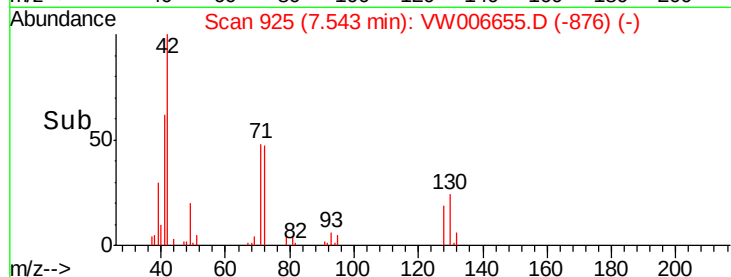
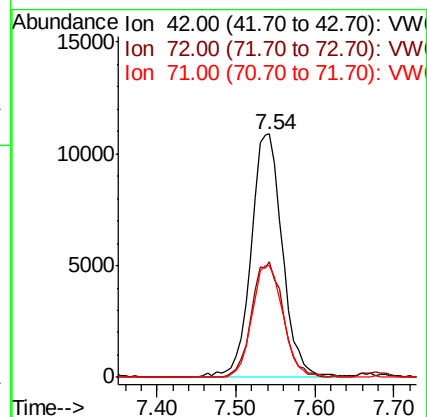
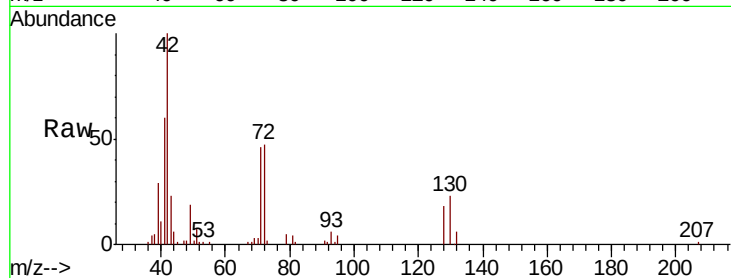




#29
Tetrahydrofuran
Concen: 127.114 ug/l
RT: 7.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

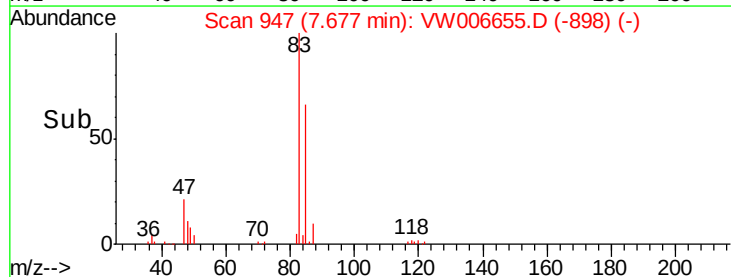
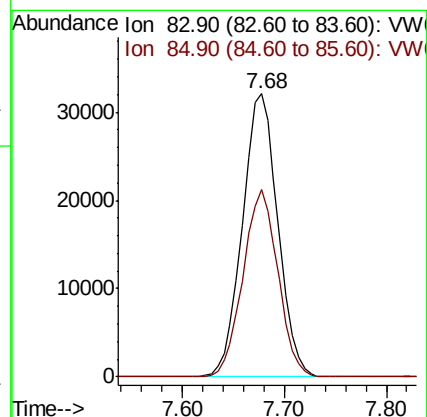
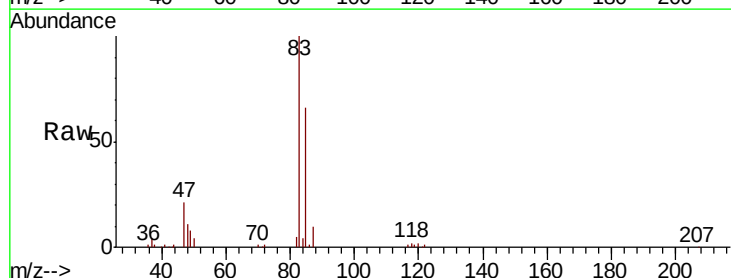
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

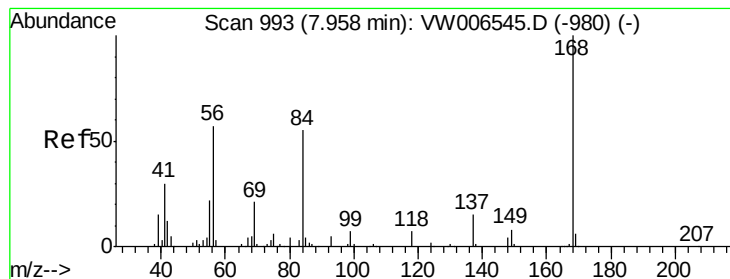
Tgt Ion: 42 Resp: 30108
Ion Ratio Lower Upper
42 100
72 47.4 39.2 58.8
71 45.6 37.6 56.4



#30
Chloroform
Concen: 24.662 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 83 Resp: 77348
Ion Ratio Lower Upper
83 100
85 66.4 51.3 76.9





#31

Cyclohexane

Concen: 20.007 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

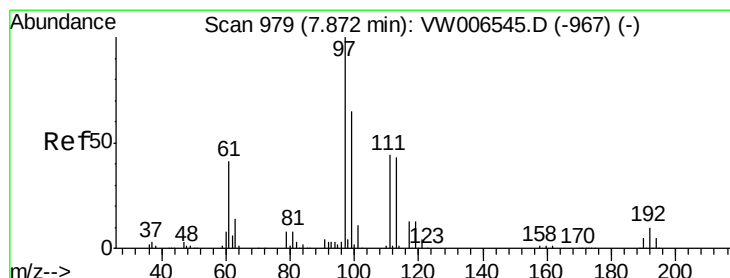
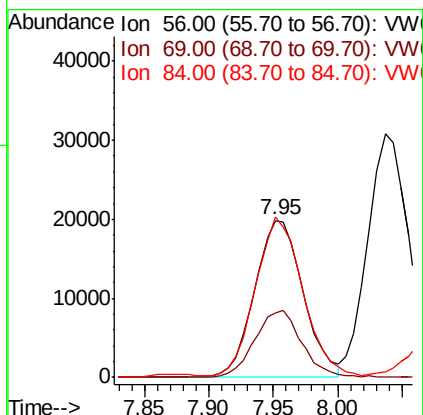
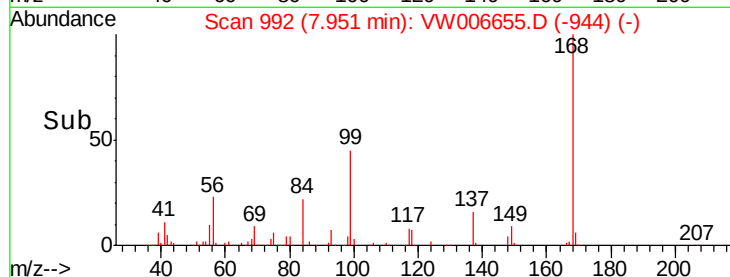
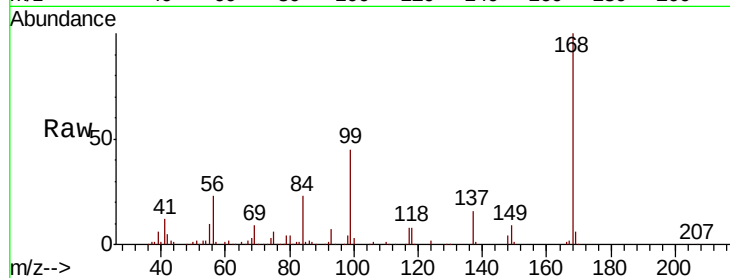
Tgt Ion: 56 Resp: 52090

Ion Ratio Lower Upper

56 100

69 40.8 29.0 43.4

84 100.7 77.8 116.6



#32

1,1,1-Trichloroethane

Concen: 22.746 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

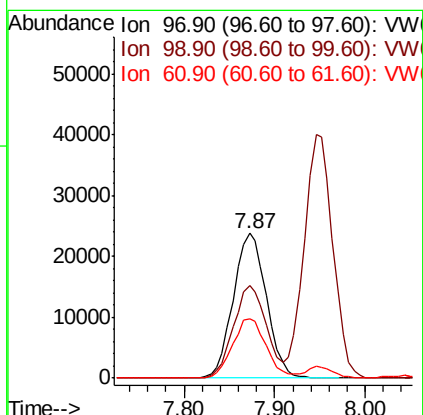
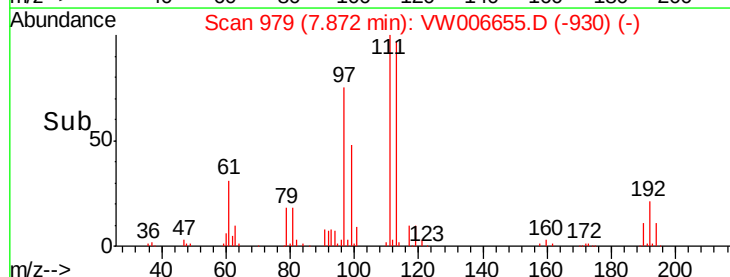
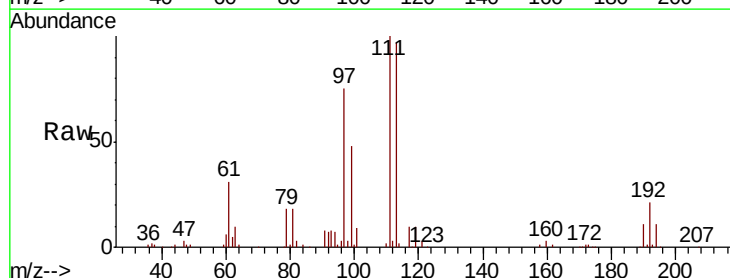
Tgt Ion: 97 Resp: 60365

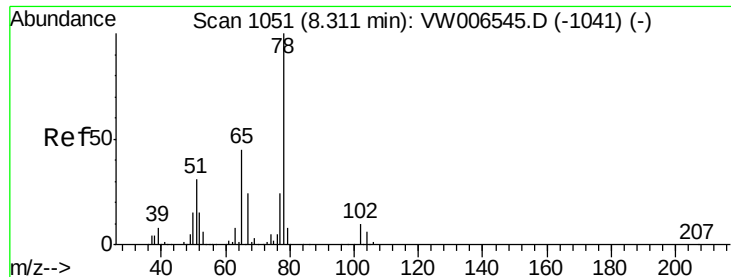
Ion Ratio Lower Upper

97 100

99 63.6 51.7 77.5

61 41.5 32.9 49.3

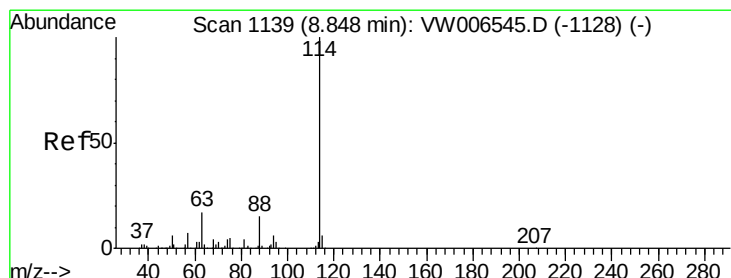
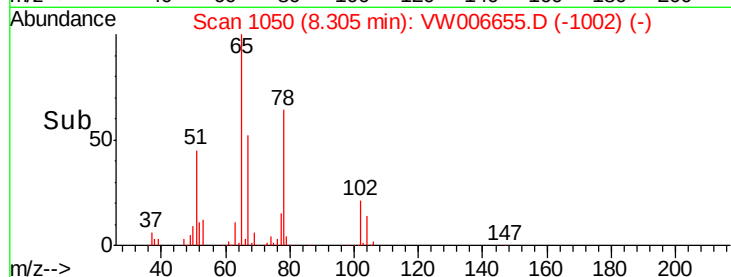
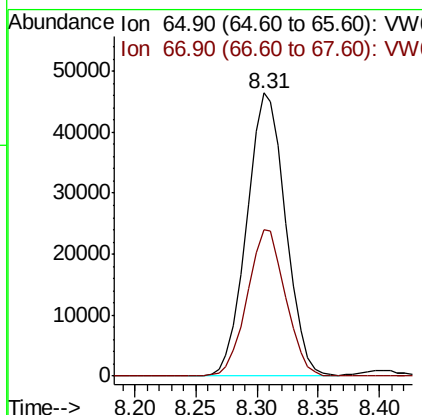
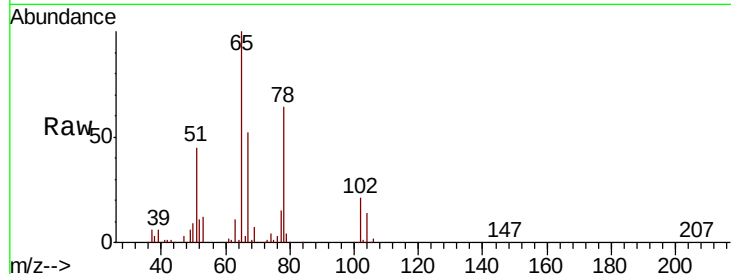




#33
 1,2-Dichloroethane-d4
 Concen: 62.605 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

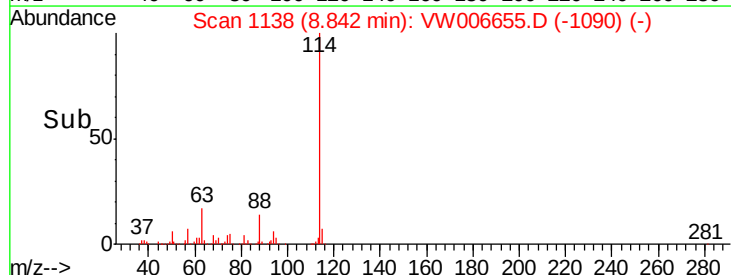
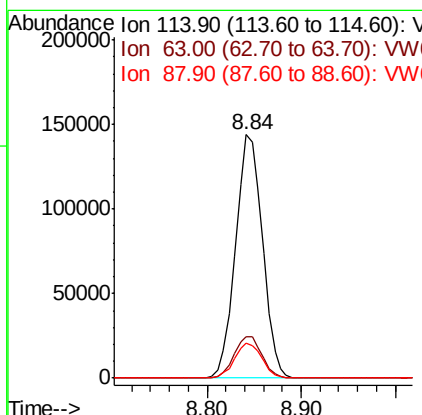
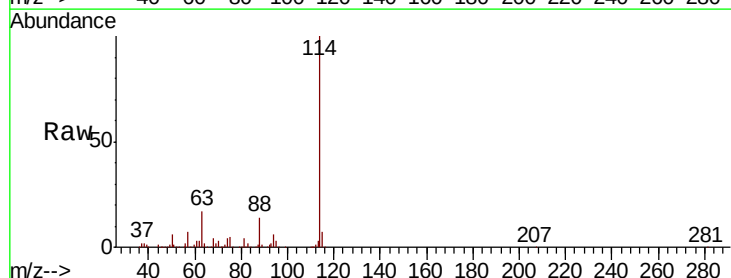
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

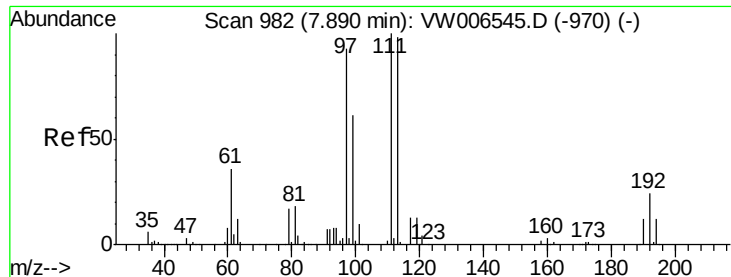
Tgt Ion: 65 Resp: 102332
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 114 Resp: 285586
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 34.4
 88 14.4 0.0 29.0

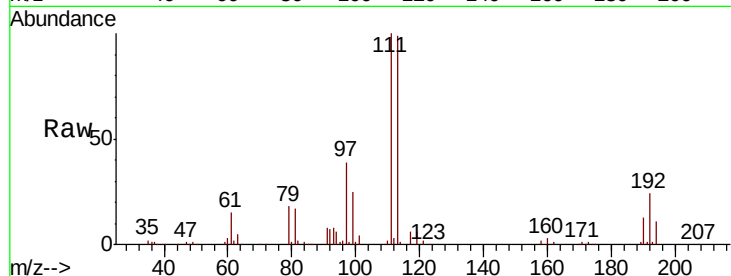




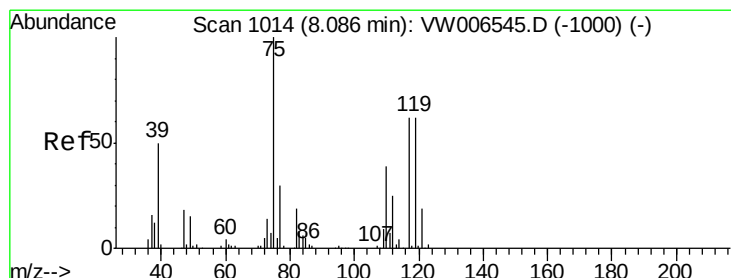
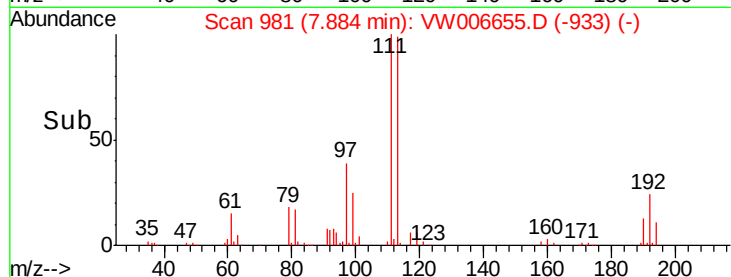
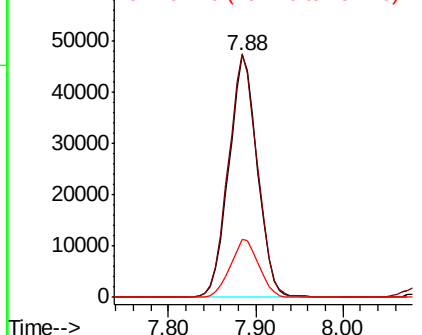
#35
 Dibromofluoromethane
 Concen: 59.610 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

Tgt Ion:113 Resp: 106837
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.2 123.2
 192 24.1 19.0 28.6

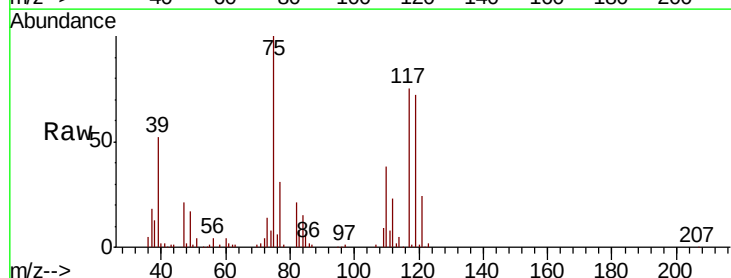


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

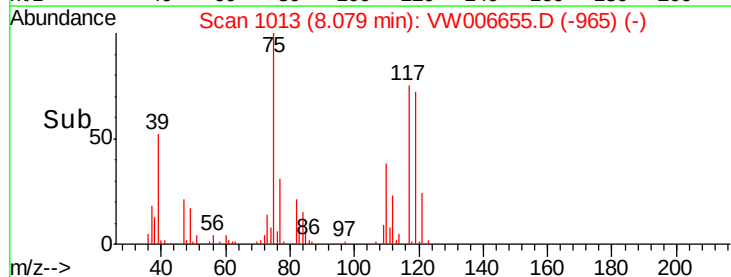
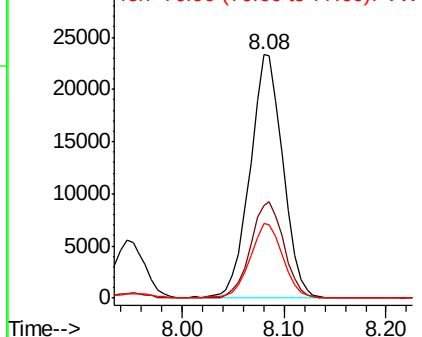


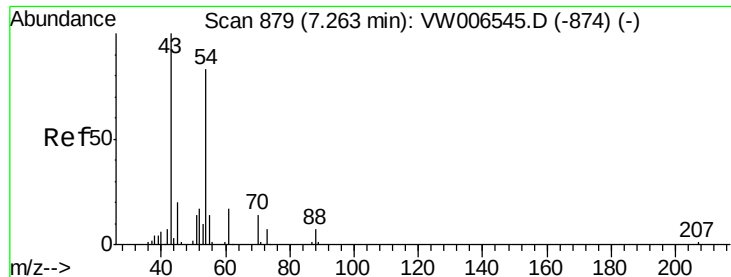
#36
 1,1-Dichloropropene
 Concen: 20.944 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 75 Resp: 52600
 Ion Ratio Lower Upper
 75 100
 110 39.5 19.5 58.5
 77 30.6 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VW

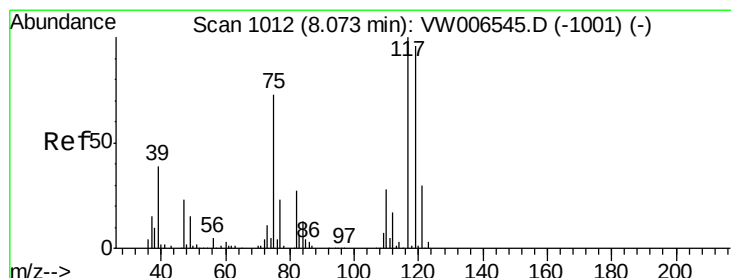
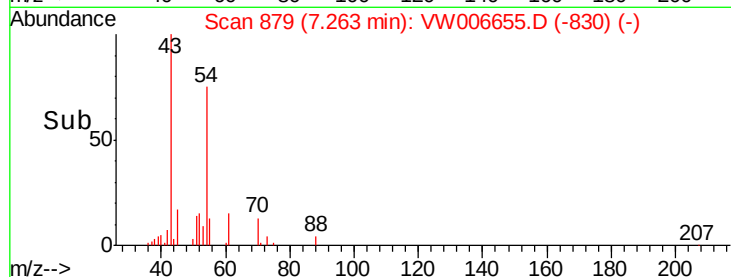
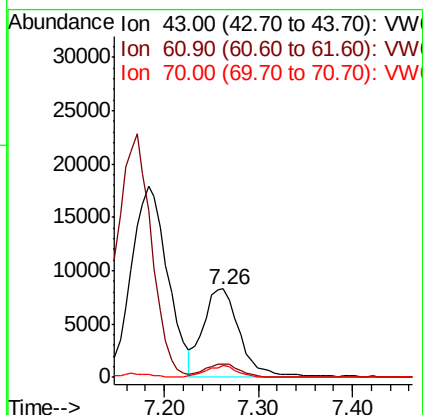
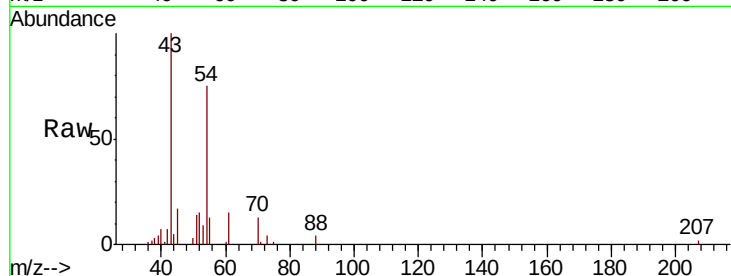




#37
Ethyl Acetate
Concen: 25.894 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

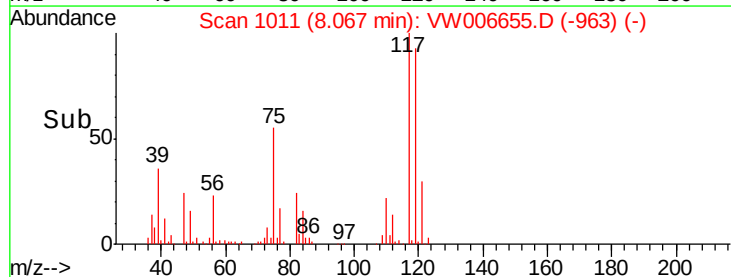
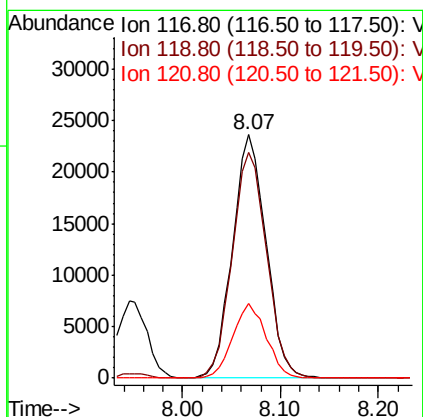
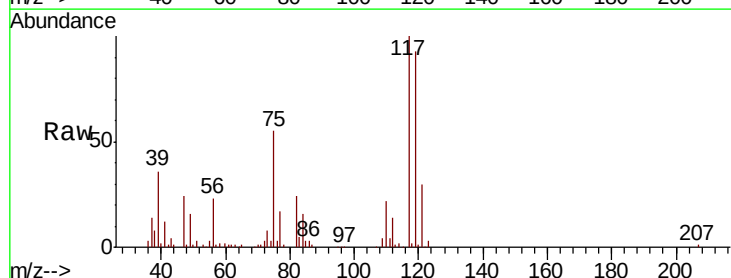
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

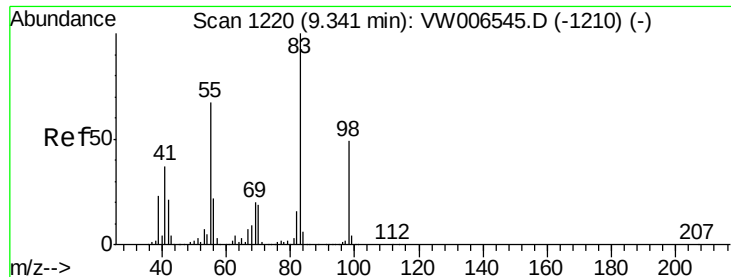
Tgt Ion: 43 Resp: 22536
Ion Ratio Lower Upper
43 100
61 14.5 12.1 18.1
70 11.5 9.8 14.6



#38
Carbon Tetrachloride
Concen: 21.444 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 117 Resp: 56274
Ion Ratio Lower Upper
117 100
119 92.6 76.3 114.5
121 30.4 24.1 36.1

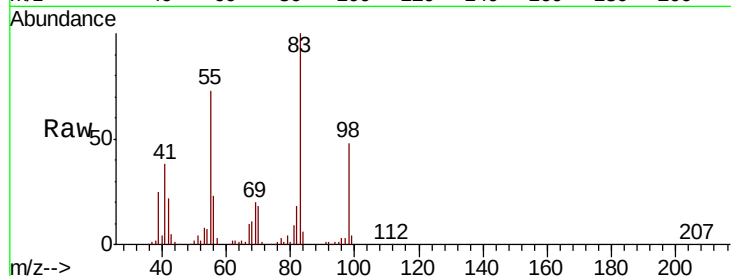




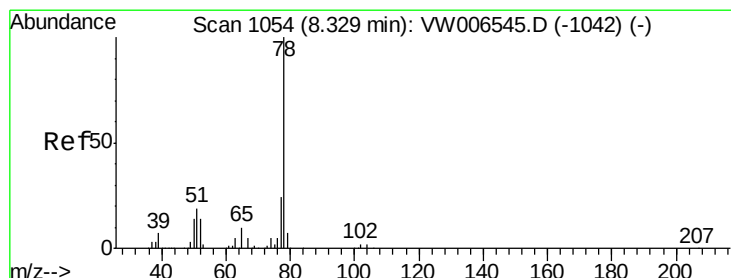
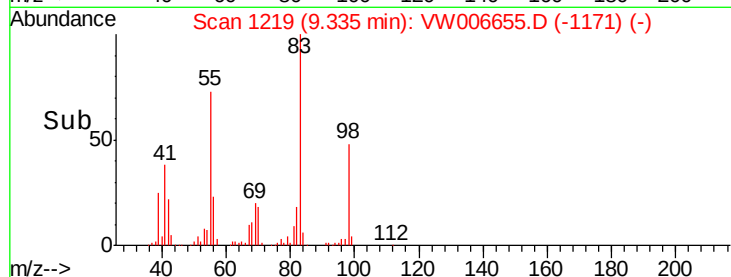
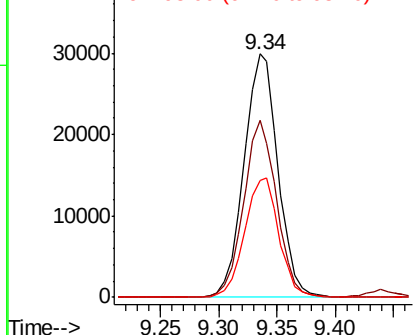
#39
Methylcyclohexane
Concen: 19.062 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

Tgt Ion: 83 Resp: 60751
Ion Ratio Lower Upper
83 100
55 72.8 53.7 80.5
98 48.2 39.2 58.8

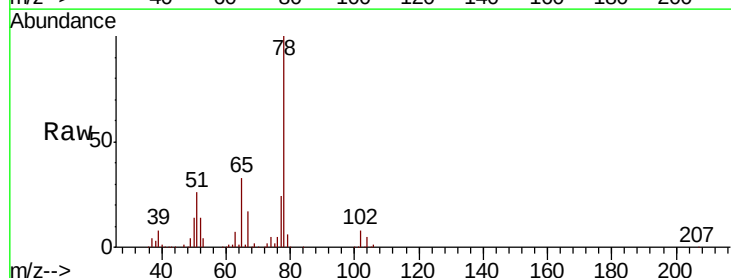


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

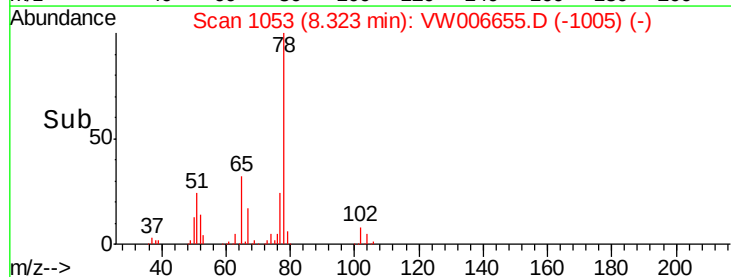
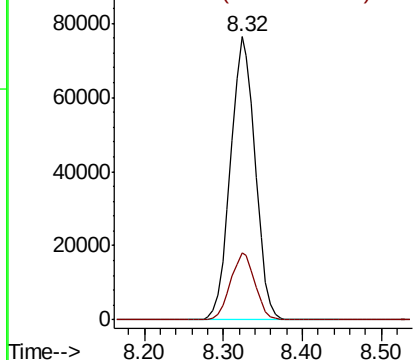


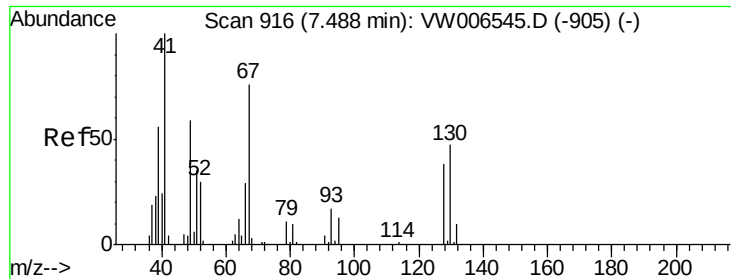
#40
Benzene
Concen: 23.272 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 78 Resp: 166007
Ion Ratio Lower Upper
78 100
77 23.8 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW

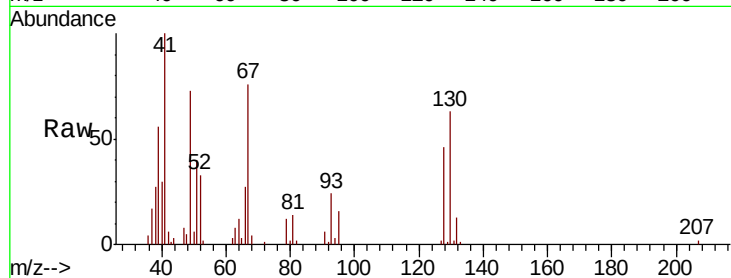




#41
Methacrylonitrile
Concen: 22.519 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

Tgt Ion:	41	Resp:	12018
Ion	Ratio	Lower	Upper
41	100		
39	61.5	44.5	66.7
67	84.4	63.8	95.8
52	38.0	26.3	39.5



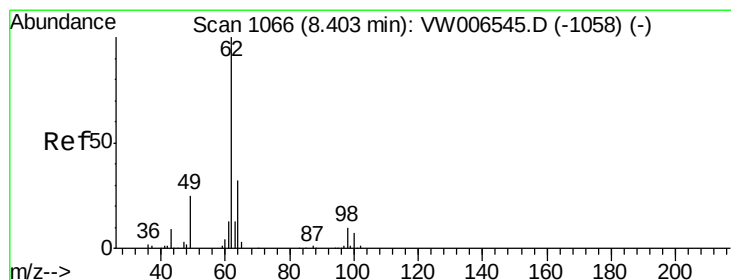
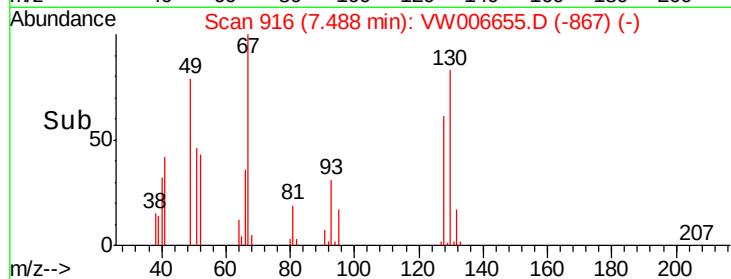
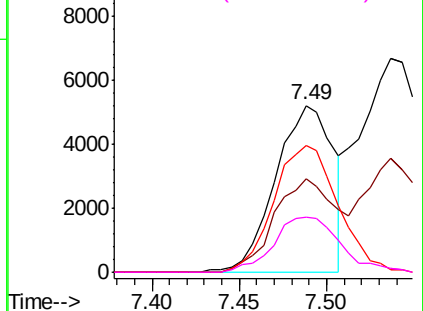
Abundance

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

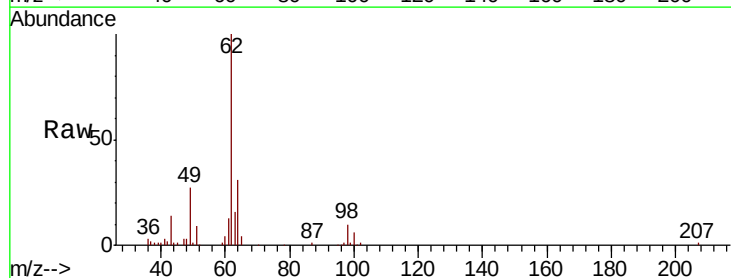
Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#42
1,2-Dichloroethane
Concen: 24.590 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

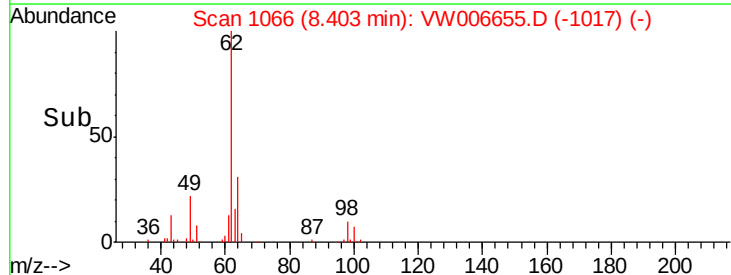
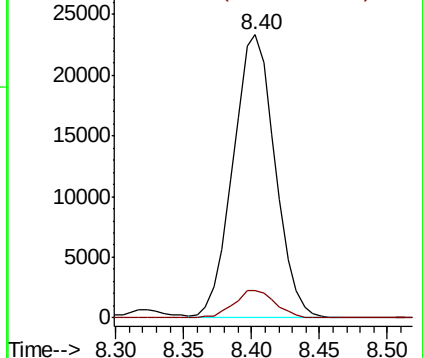
Tgt Ion:	62	Resp:	50305
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.8

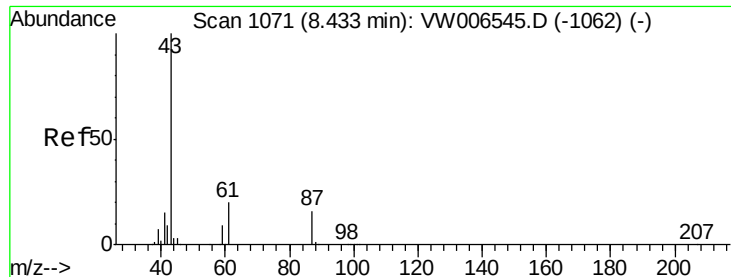


Abundance

Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 24.491 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

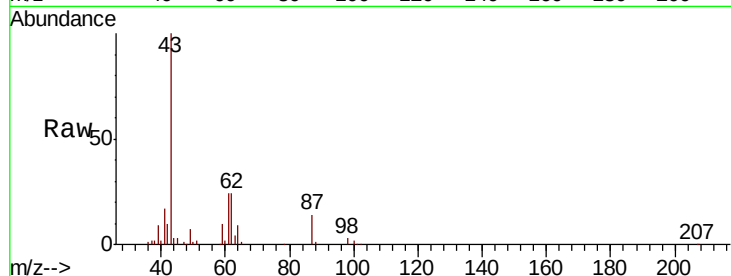
Tgt Ion: 43 Resp: 42535

Ion Ratio Lower Upper

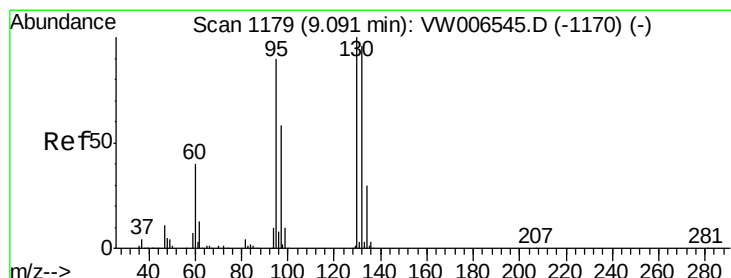
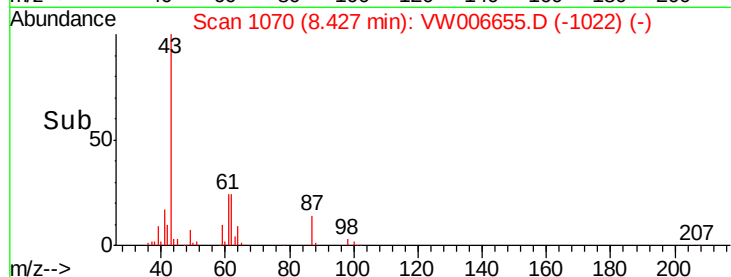
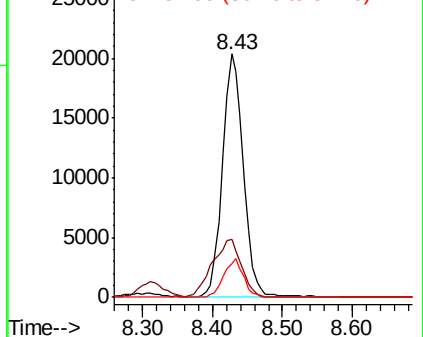
43 100

61 32.8 27.2 40.8

87 14.8 12.9 19.3



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



#44

Trichloroethene

Concen: 22.077 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW006655.D

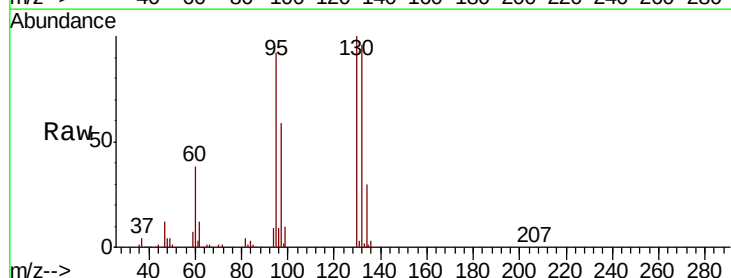
Acq: 06 Nov 2018 01:09

Tgt Ion: 130 Resp: 48598

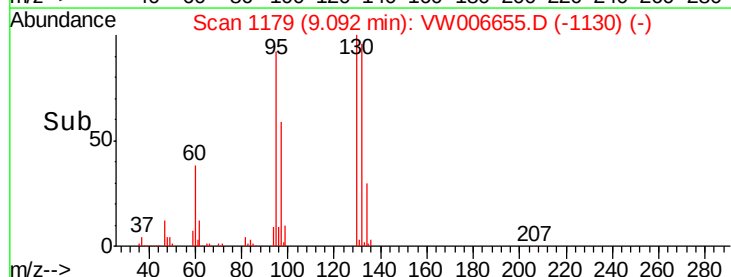
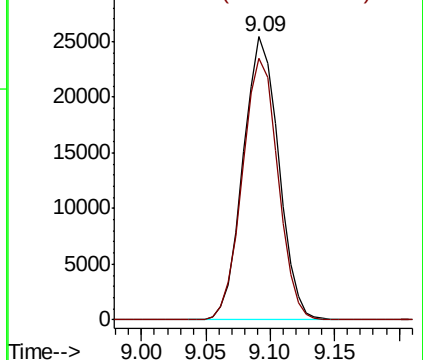
Ion Ratio Lower Upper

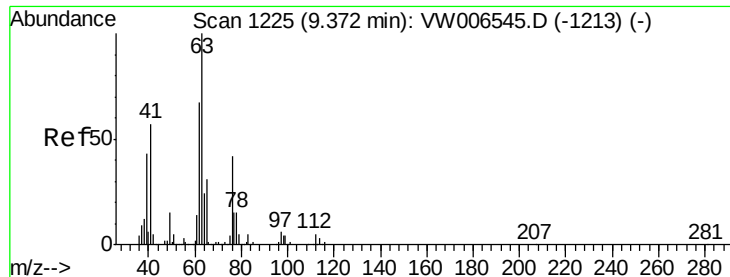
130 100

95 92.5 0.0 179.2



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

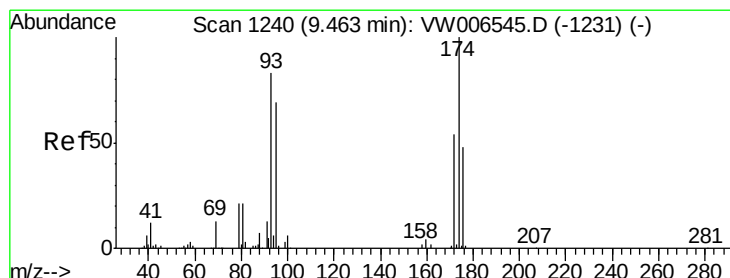
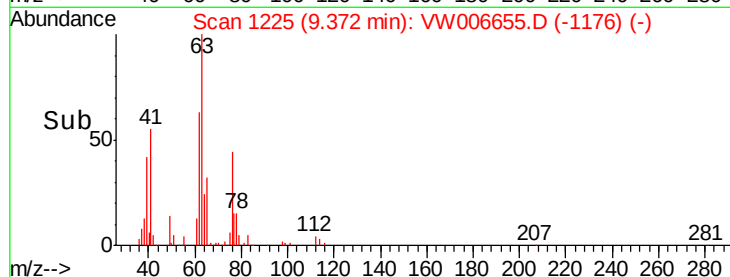
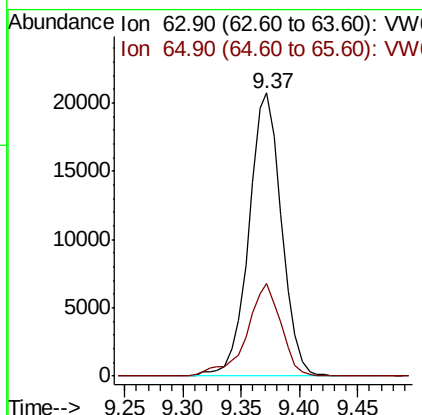
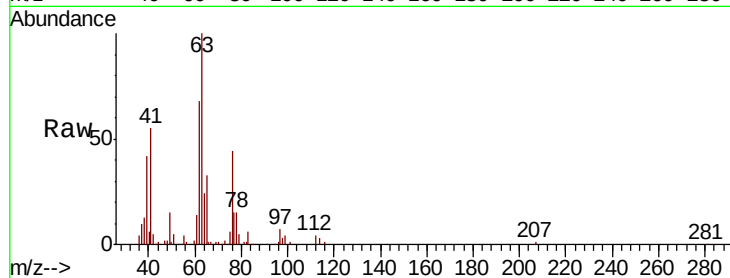




#45
 1,2-Dichloropropane
 Concen: 24.390 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

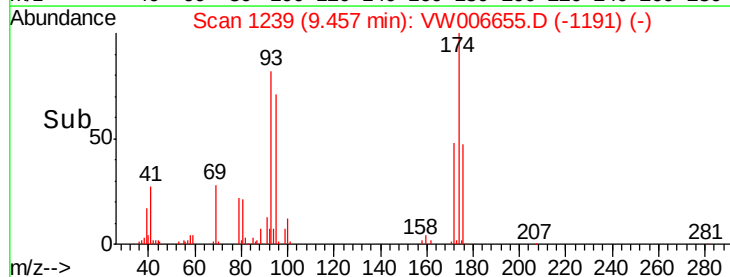
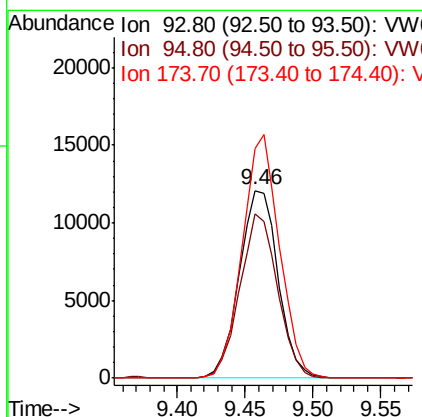
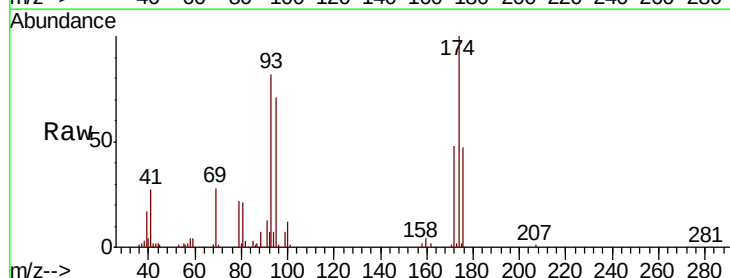
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

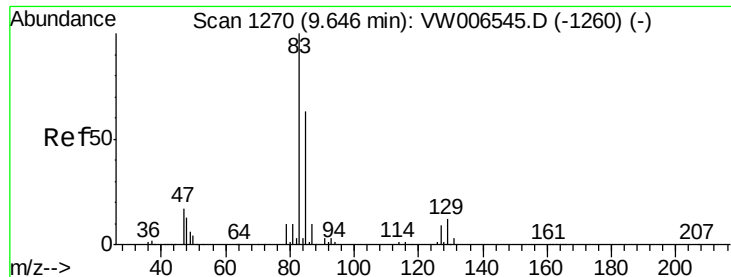
Tgt Ion: 63 Resp: 40489
 Ion Ratio Lower Upper
 63 100
 65 32.6 25.1 37.7



#46
 Dibromomethane
 Concen: 24.678 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 93 Resp: 24082
 Ion Ratio Lower Upper
 93 100
 95 85.1 67.2 100.8
 174 124.4 97.3 145.9

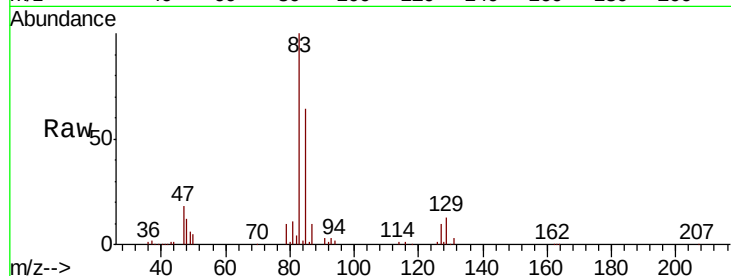




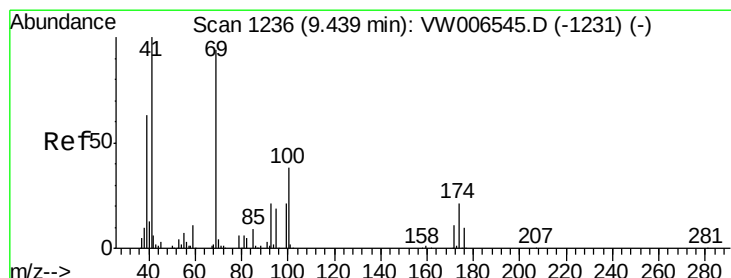
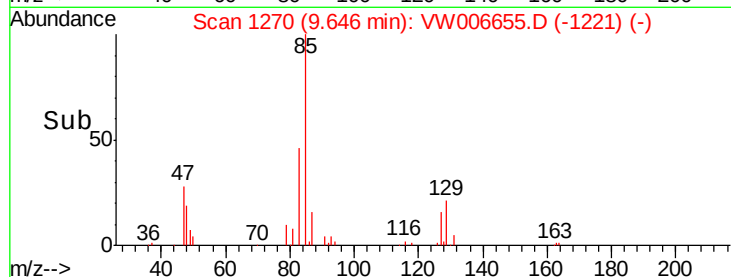
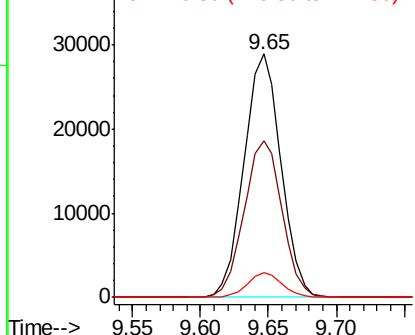
#47
 Bromodichloromethane
 Concen: 24.321 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

Tgt Ion: 83 Resp: 55109
 Ion Ratio Lower Upper
 83 100
 85 64.1 50.6 75.8
 127 10.0 7.5 11.3

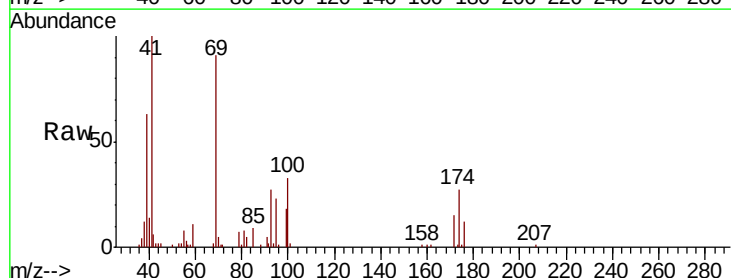


Abundance Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 126.80 (126.50 to 127.50): VW

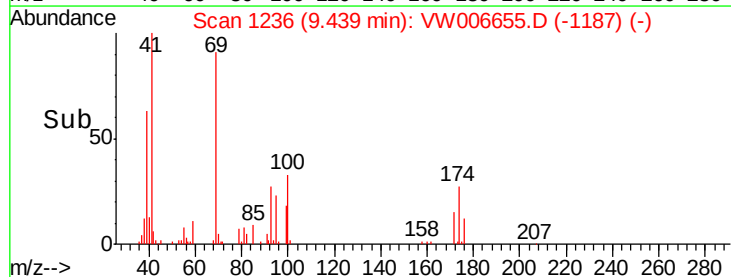
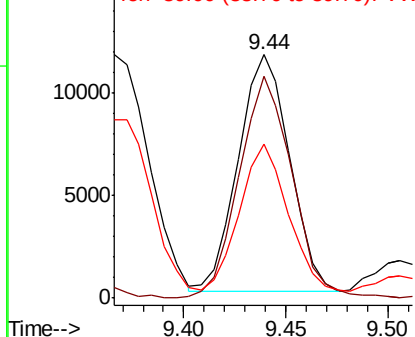


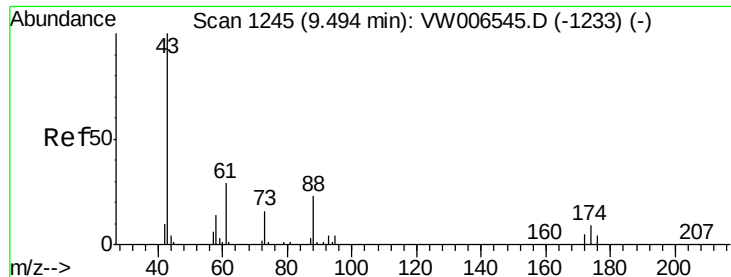
#48
 Methyl methacrylate
 Concen: 24.196 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 41 Resp: 20246
 Ion Ratio Lower Upper
 41 100
 69 96.6 77.8 116.8
 39 64.6 48.7 73.1



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

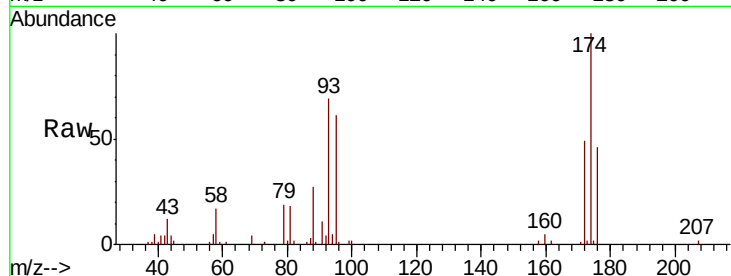




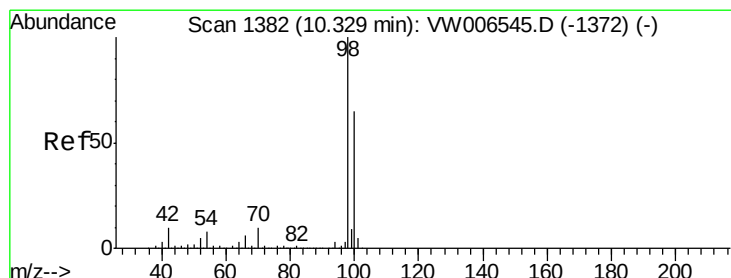
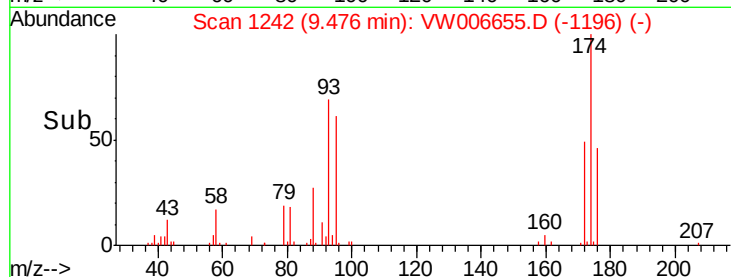
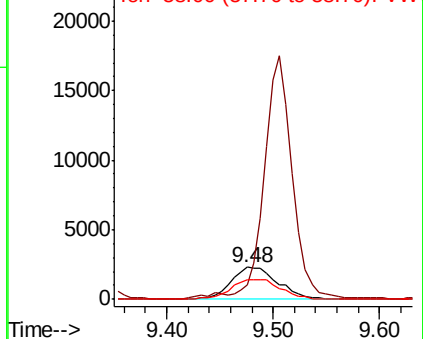
#49
1,4-Dioxane
Concen: 493.152 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. -0.02 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

Tgt Ion: 88 Resp: 7043
Ion Ratio Lower Upper
88 100
43 0.0 356.6 534.8#
58 66.7 51.4 77.2

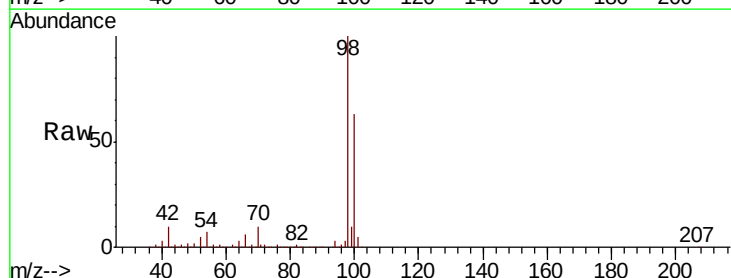


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

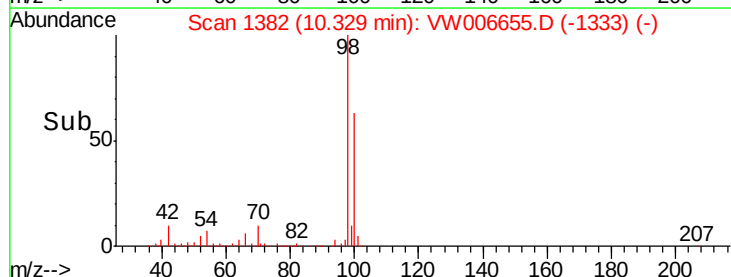
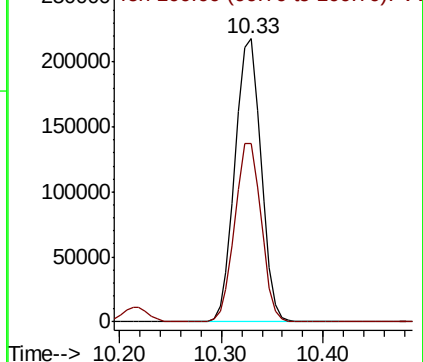


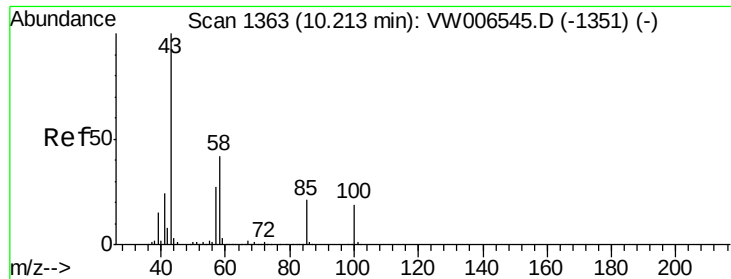
#50
Toluene-d8
Concen: 56.394 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 98 Resp: 384769
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

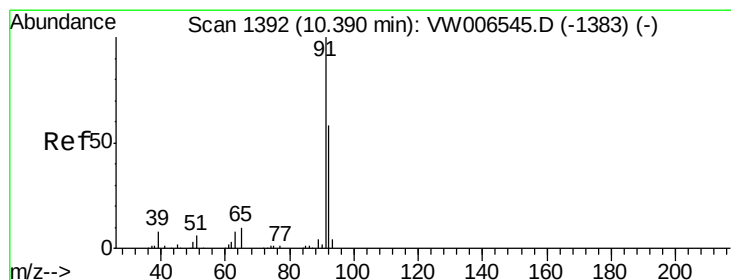
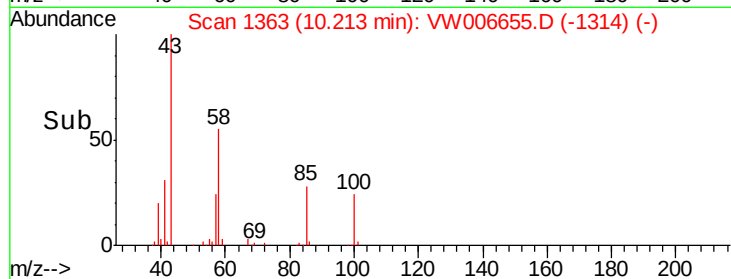
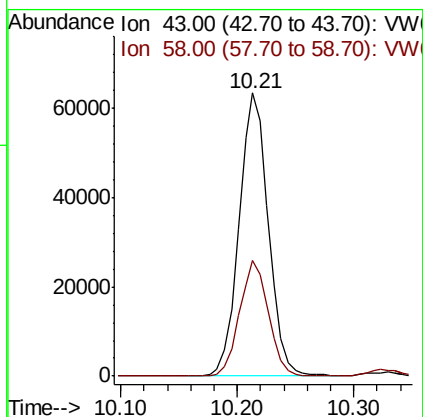
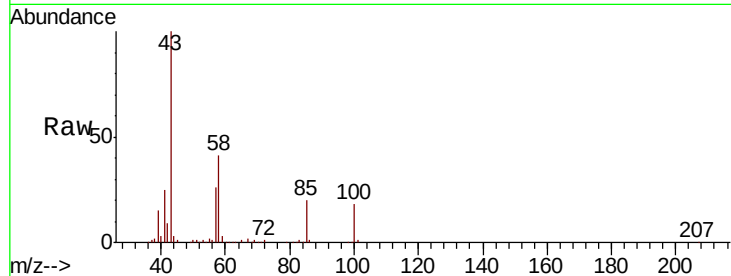




#51
 4-Methyl-2-Pentanone
 Concen: 123.971 ug/l
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

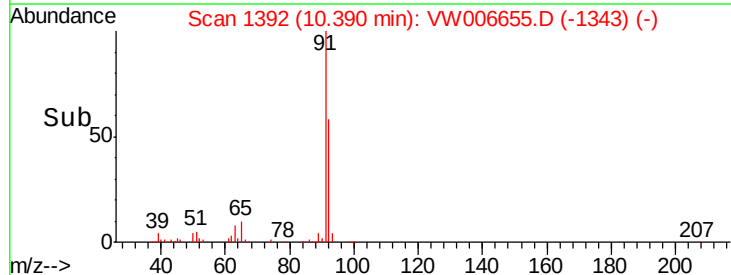
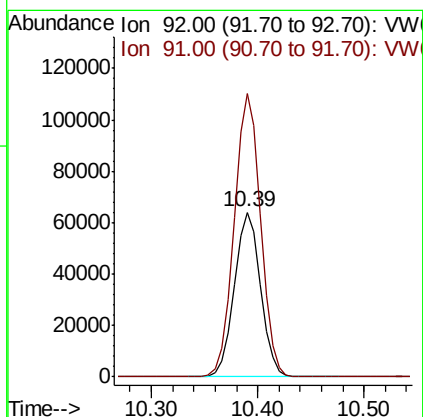
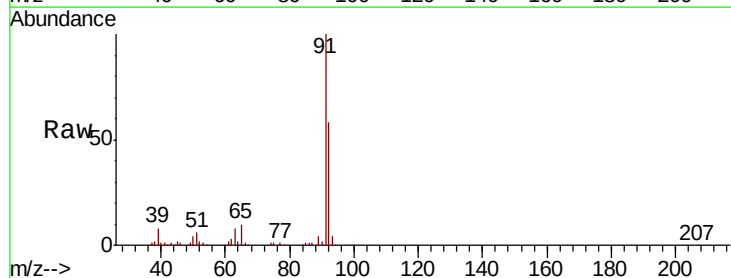
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

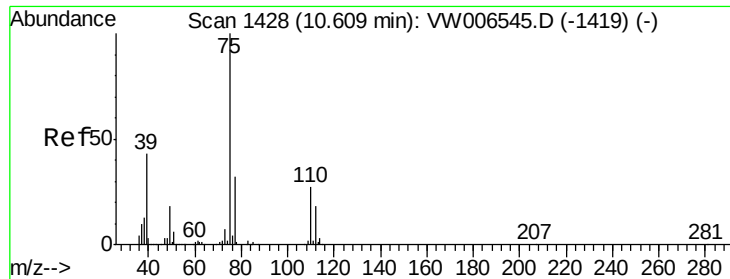
Tgt Ion: 43 Resp: 110576
 Ion Ratio Lower Upper
 43 100
 58 40.4 33.4 50.0



#52
 Toluene
 Concen: 23.030 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 92 Resp: 110189
 Ion Ratio Lower Upper
 92 100
 91 173.6 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 24.168 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

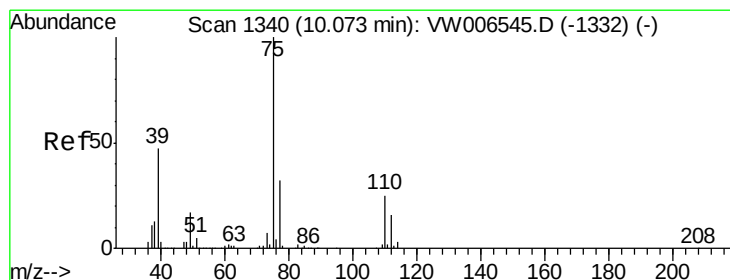
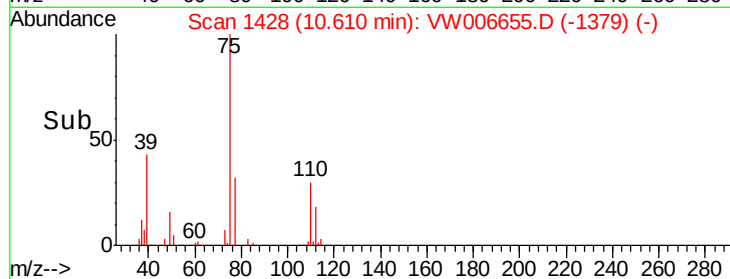
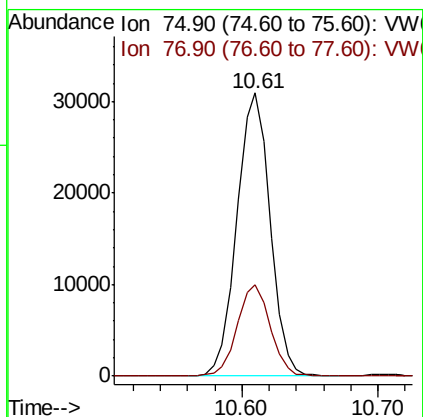
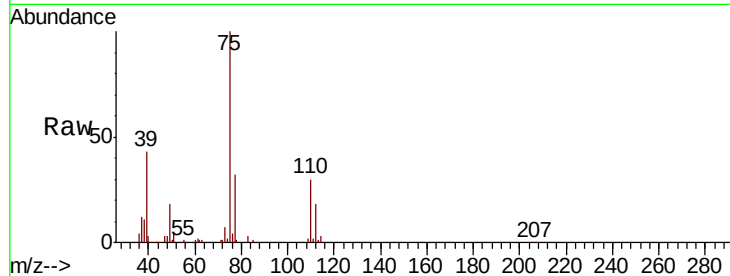
VW1105SBS02

Tgt Ion: 75 Resp: 52703

Ion Ratio Lower Upper

75 100

77 32.1 25.6 38.4



#54

cis-1,3-Dichloropropene

Concen: 23.638 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

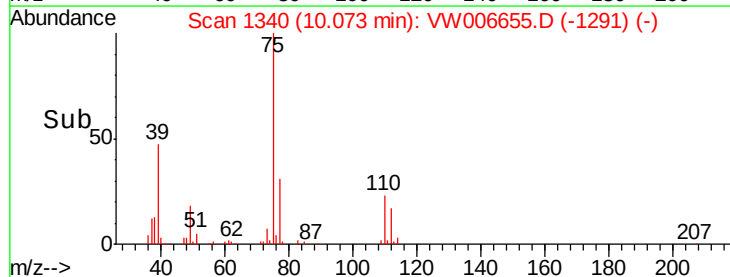
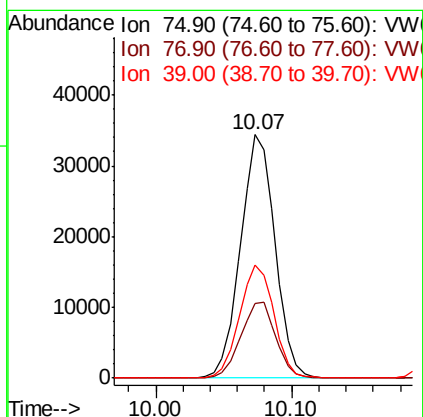
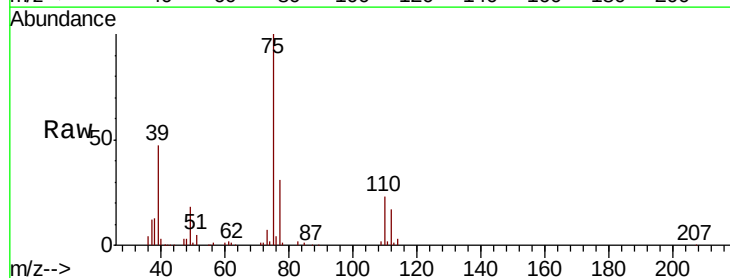
Tgt Ion: 75 Resp: 60913

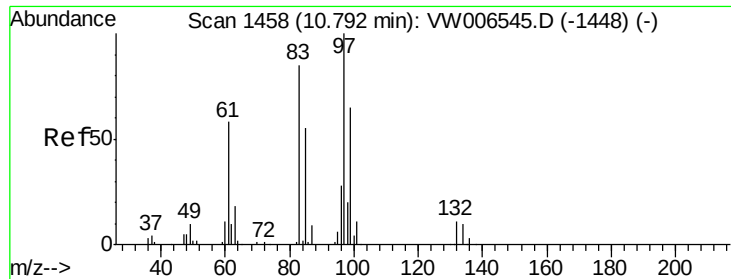
Ion Ratio Lower Upper

75 100

77 30.9 25.7 38.5

39 46.5 37.3 55.9

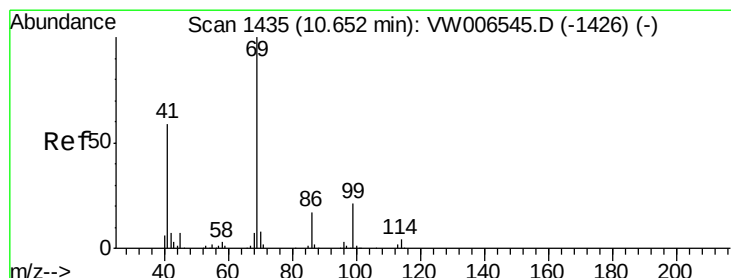
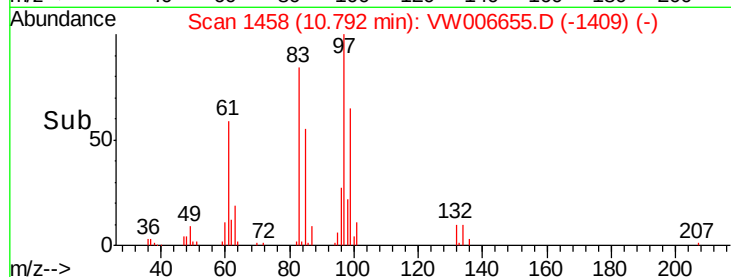
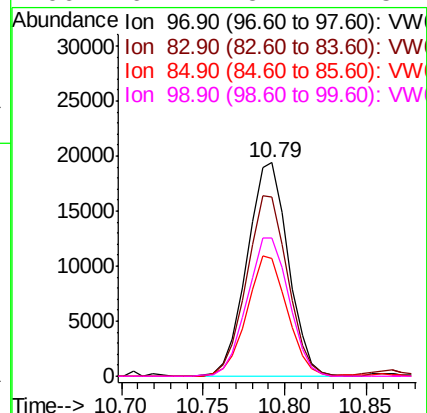
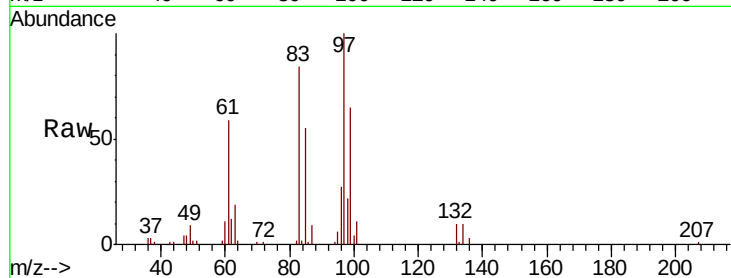




#55
 1,1,2-Trichloroethane
 Concen: 24.731 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

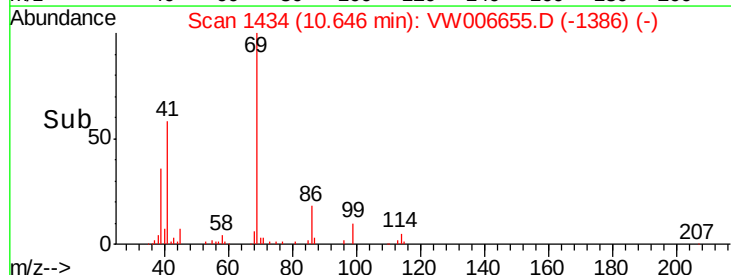
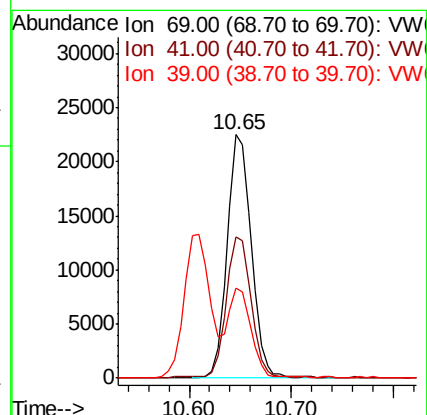
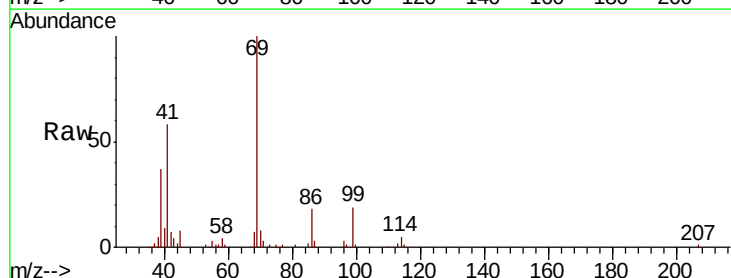
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

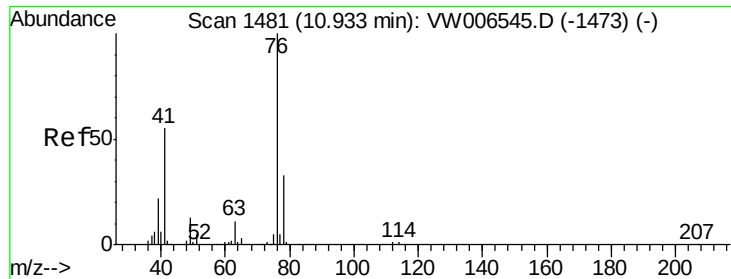
Tgt Ion: 97 Resp: 34243
 Ion Ratio Lower Upper
 97 100
 83 83.8 67.9 101.9
 85 54.9 44.0 66.0
 99 64.7 52.2 78.2



#56
 Ethyl methacrylate
 Concen: 23.501 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 69 Resp: 36984
 Ion Ratio Lower Upper
 69 100
 41 59.3 47.4 71.2
 39 36.3 25.3 37.9

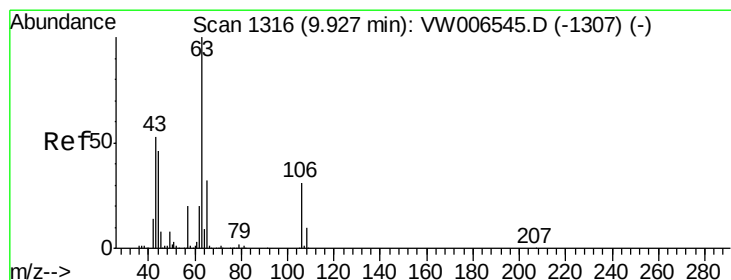
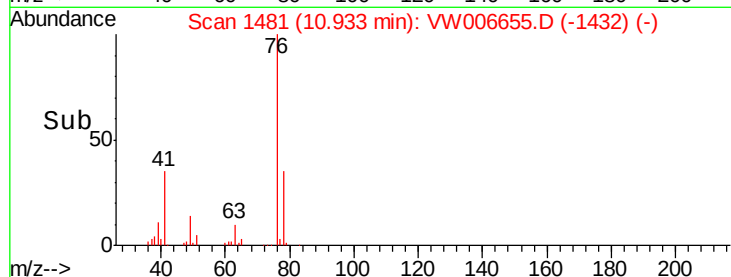
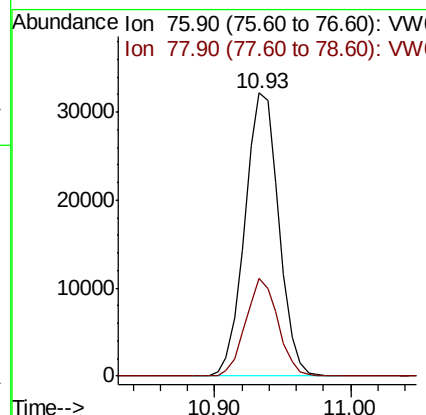
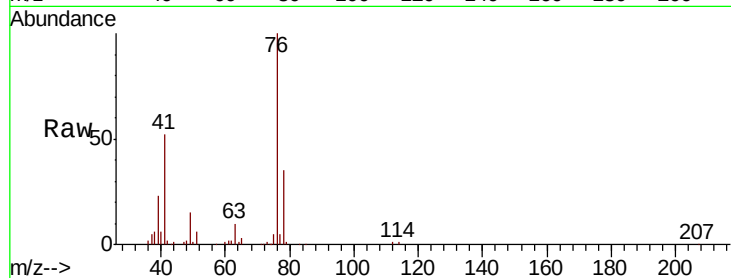




#57
 1,3-Dichloropropane
 Concen: 24.958 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

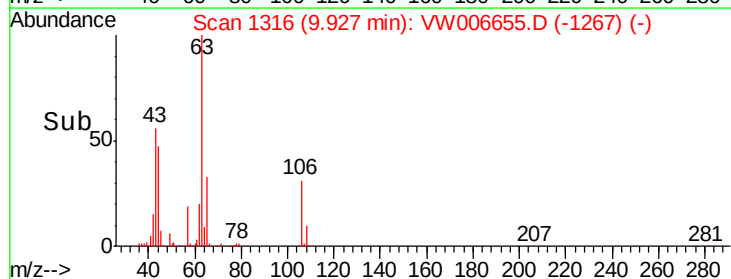
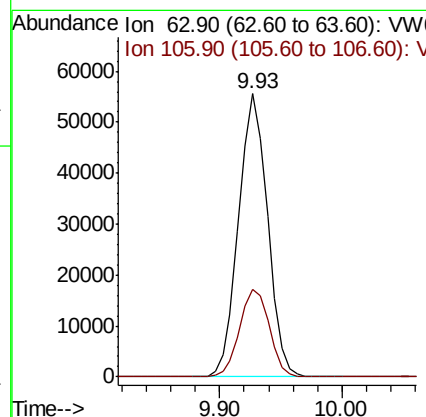
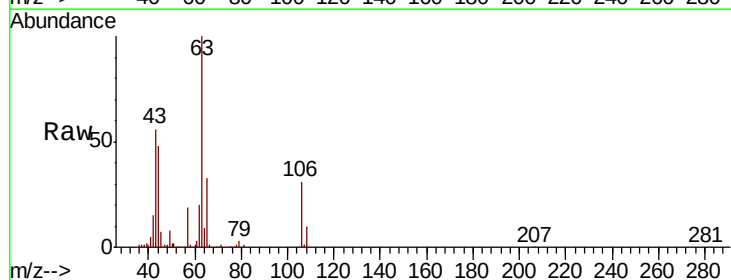
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

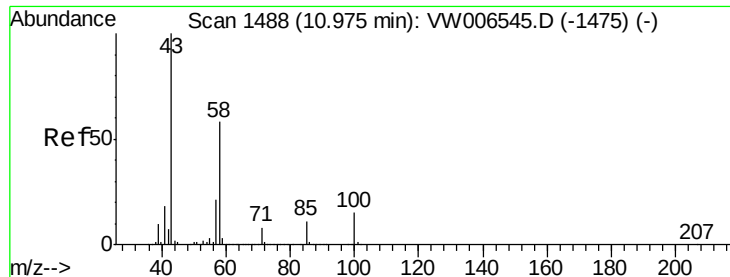
Tgt Ion: 76 Resp: 56115
 Ion Ratio Lower Upper
 76 100
 78 32.9 26.2 39.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.964 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 63 Resp: 91009
 Ion Ratio Lower Upper
 63 100
 106 31.6 25.4 38.2

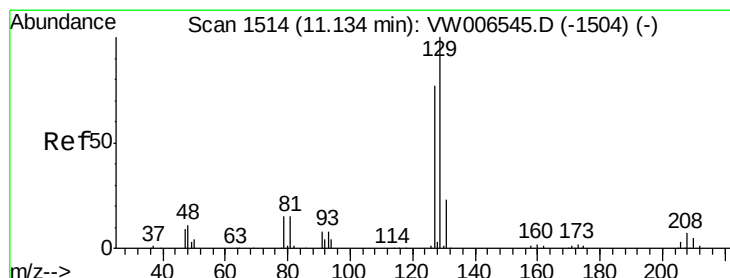
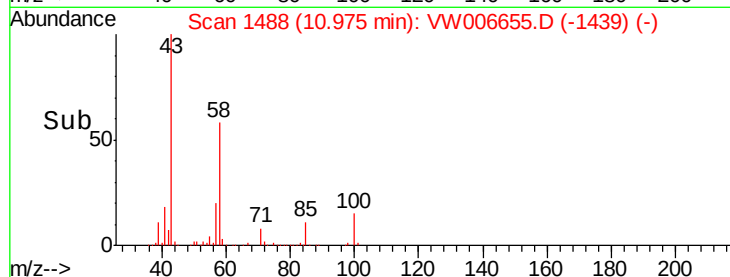
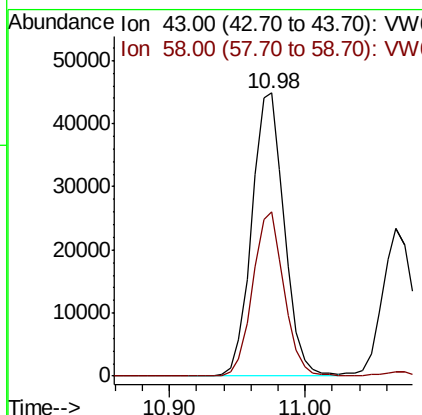
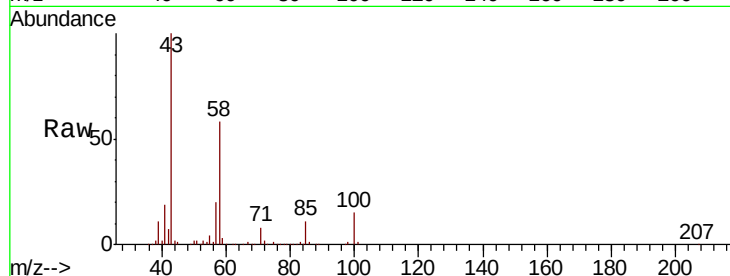




#59
2-Hexanone
Concen: 124.233 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

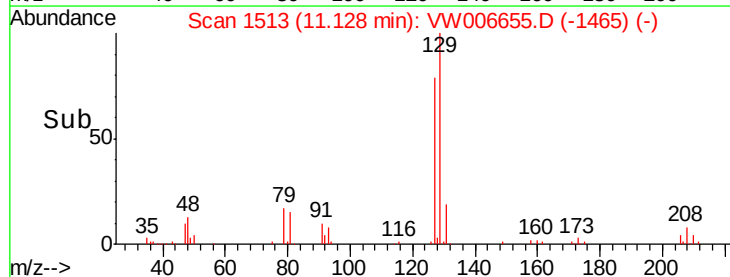
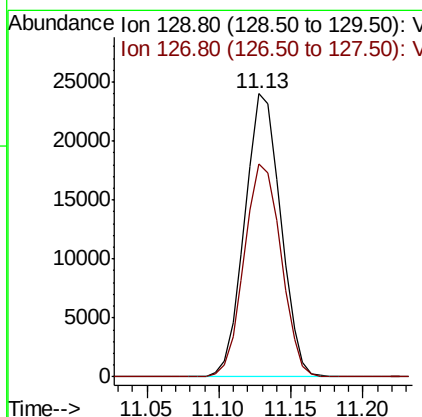
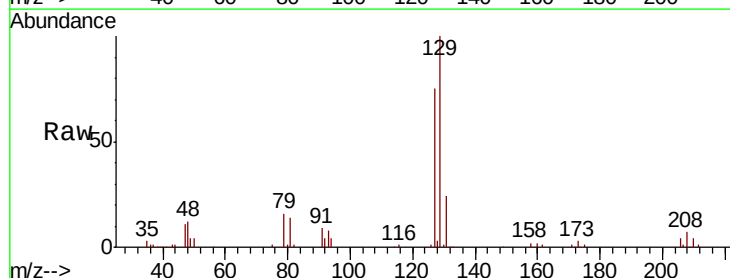
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

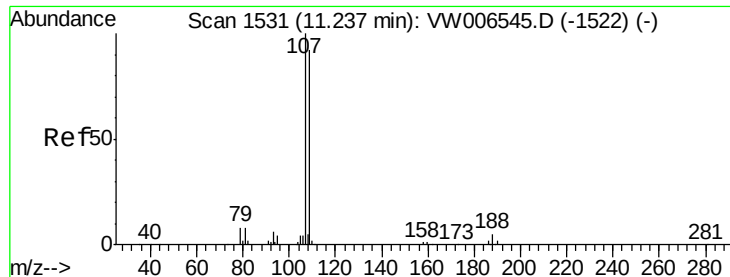
Tgt Ion: 43 Resp: 75261
Ion Ratio Lower Upper
43 100
58 56.1 28.8 86.4



#60
Dibromochloromethane
Concen: 25.348 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 129 Resp: 41583
Ion Ratio Lower Upper
129 100
127 77.1 38.8 116.3





#61

1,2-Dibromoethane

Concen: 24.770 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

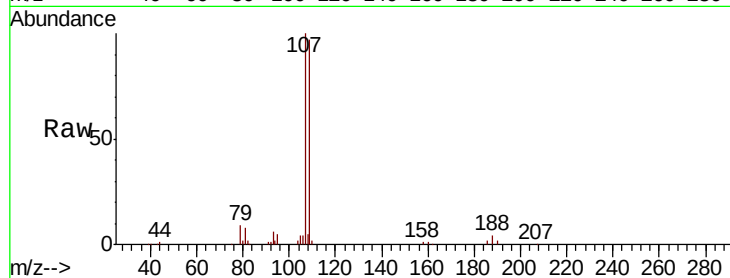
VW1105SBS02

Tgt Ion: 107 Resp: 34059

Ion Ratio Lower Upper

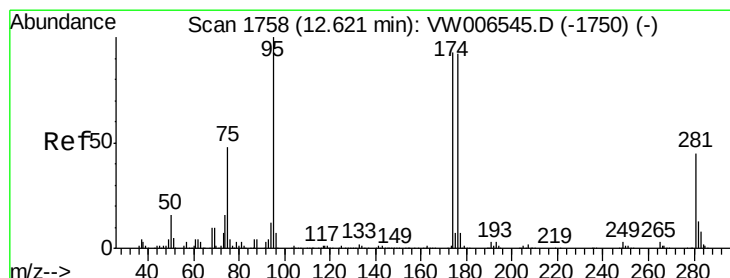
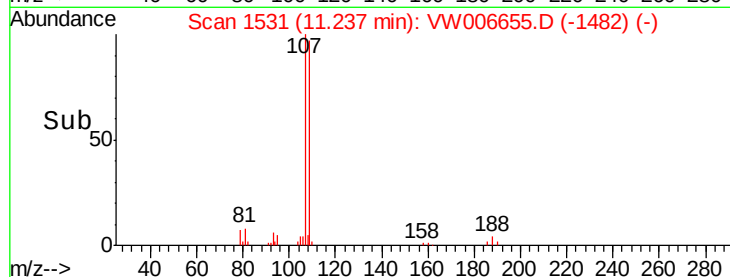
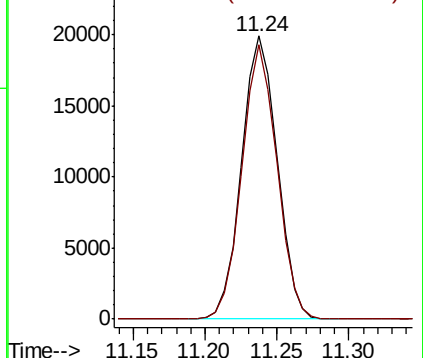
107 100

109 95.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 57.485 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

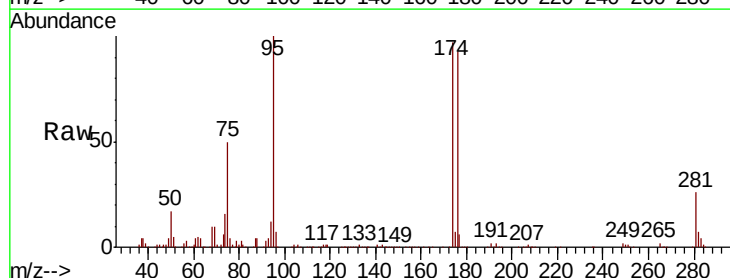
Tgt Ion: 95 Resp: 142193

Ion Ratio Lower Upper

95 100

174 98.4 0.0 192.4

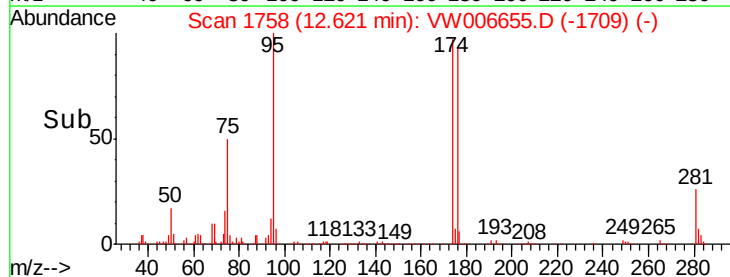
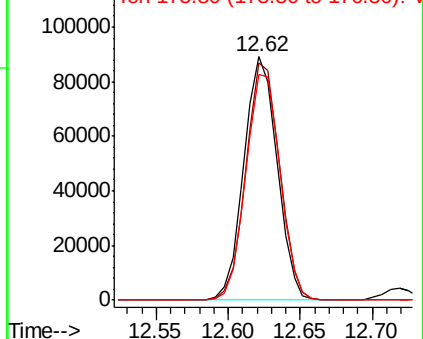
176 95.7 0.0 187.4

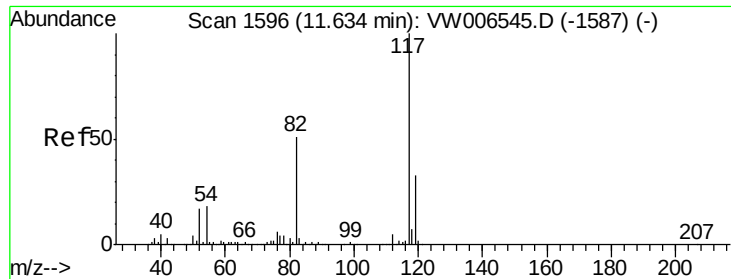


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

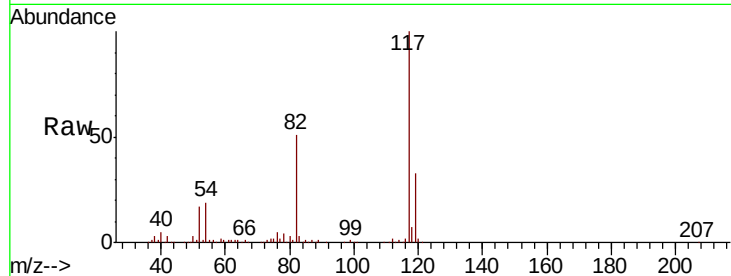




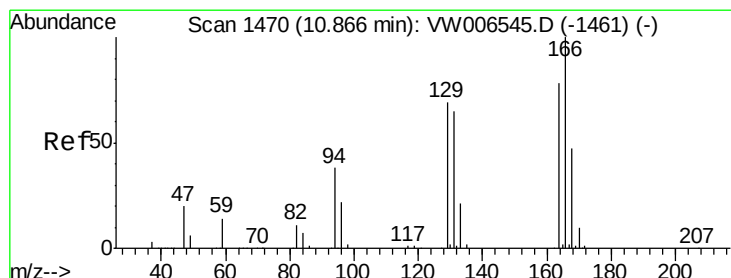
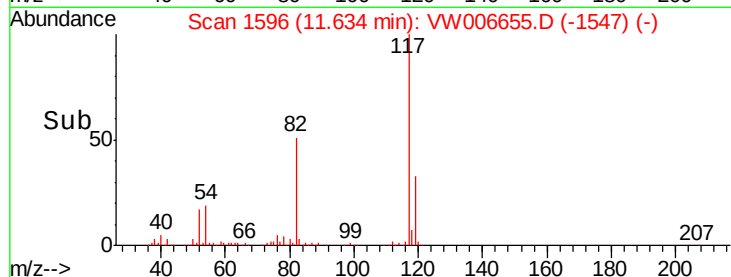
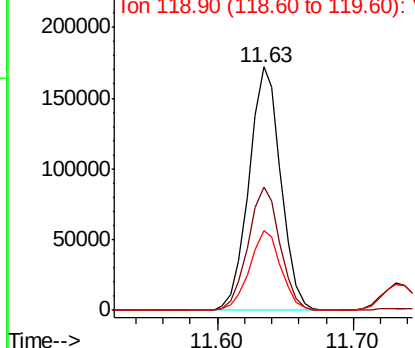
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

Tgt Ion:117 Resp: 282228
Ion Ratio Lower Upper
117 100
82 50.8 40.8 61.2
119 33.0 26.1 39.1

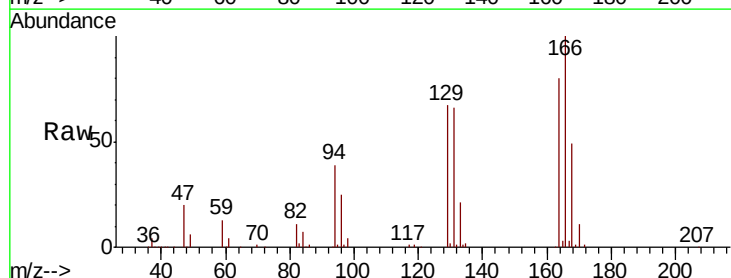


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

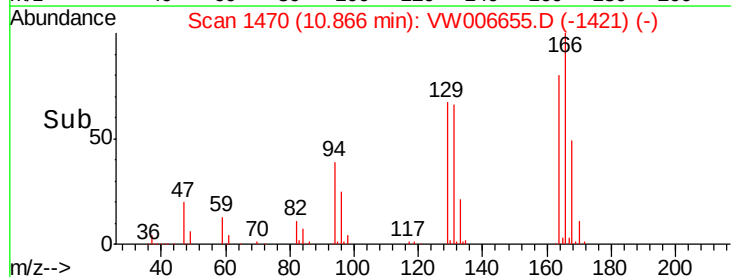
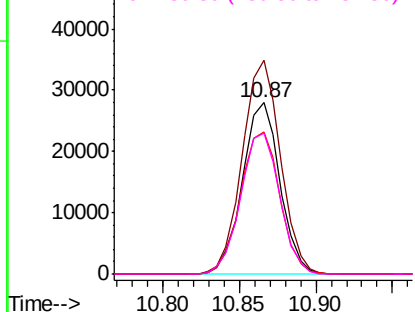


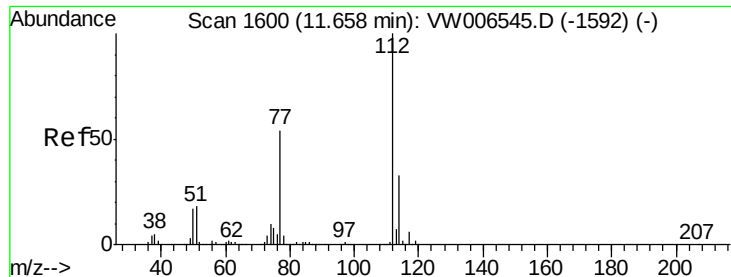
#64
Tetrachloroethene
Concen: 21.155 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion:164 Resp: 47593
Ion Ratio Lower Upper
164 100
166 124.9 102.8 154.2
129 83.4 70.9 106.3
131 82.3 67.0 100.6



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

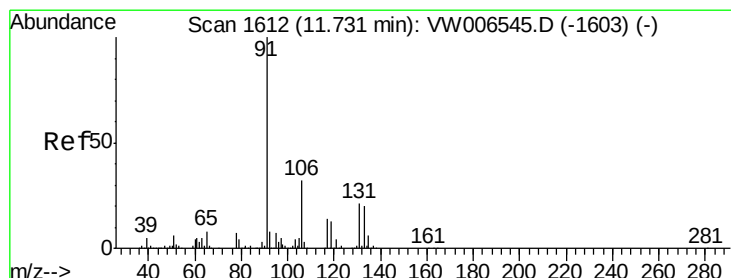
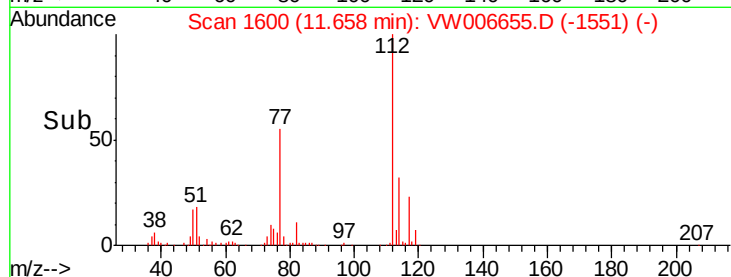
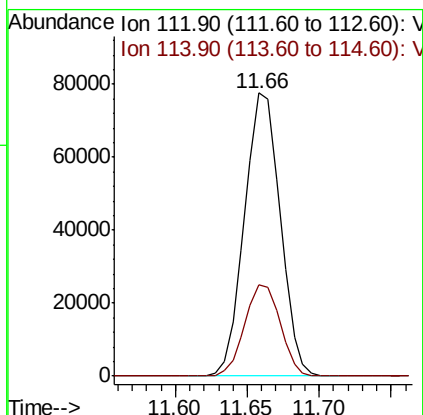
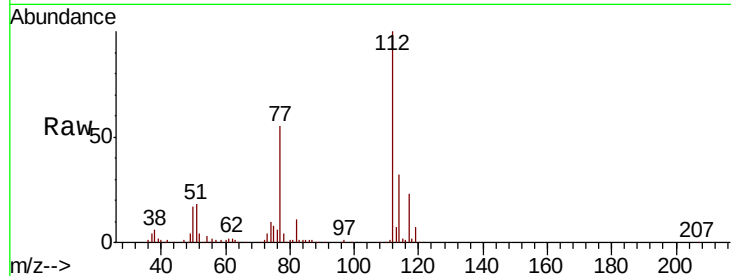




#65
Chlorobenzene
Concen: 22.484 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

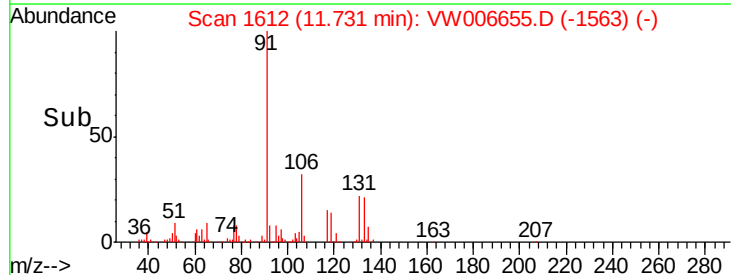
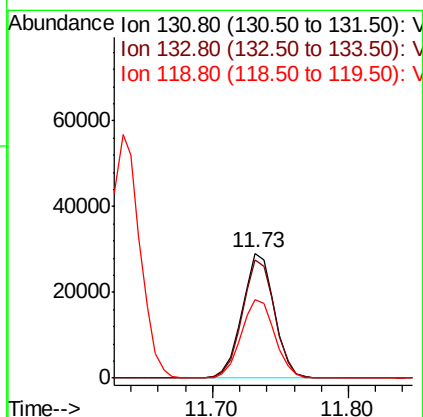
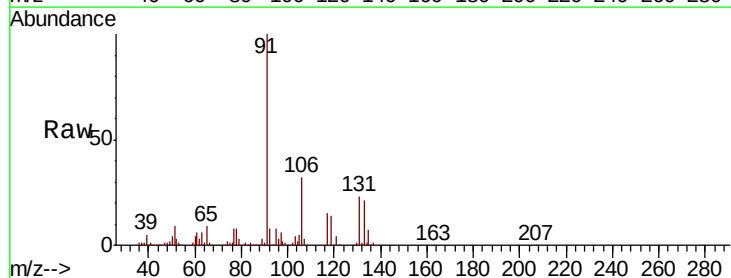
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

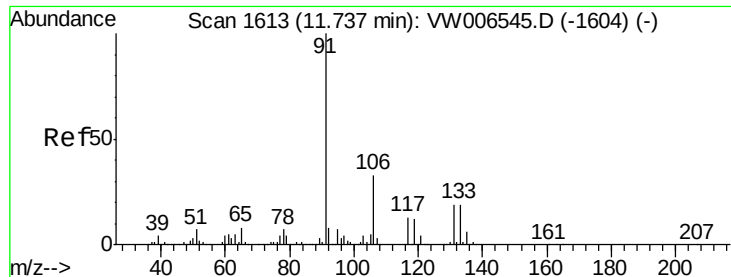
Tgt Ion:112 Resp: 133533
Ion Ratio Lower Upper
112 100
114 32.3 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 22.864 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion:131 Resp: 47726
Ion Ratio Lower Upper
131 100
133 95.8 47.5 142.5
119 65.9 31.9 95.5

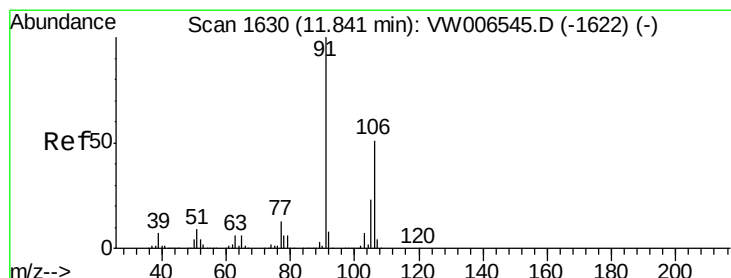
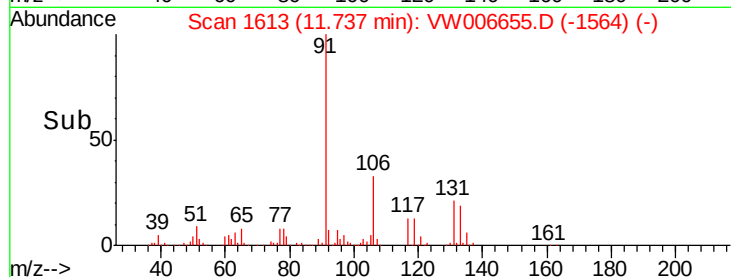
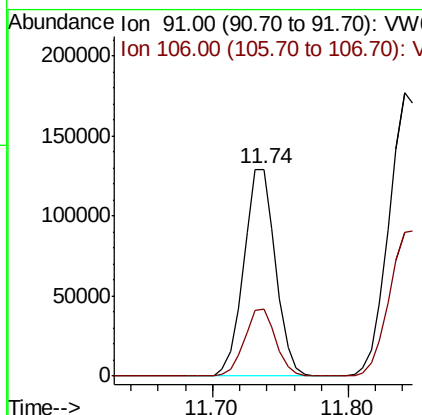
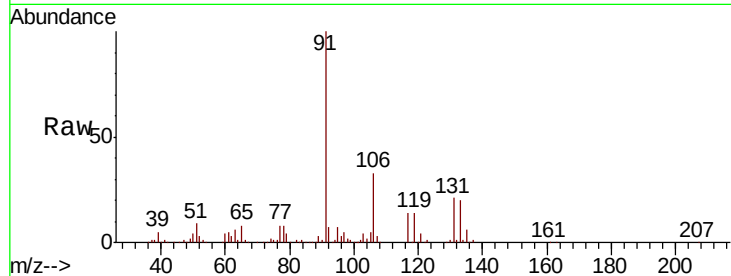




#67
Ethyl Benzene
Concen: 21.206 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

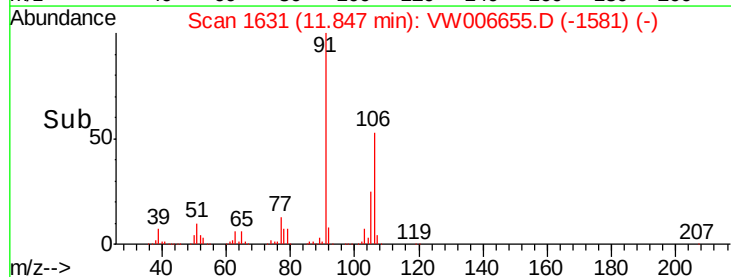
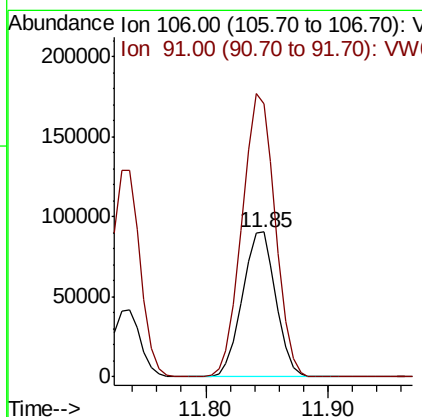
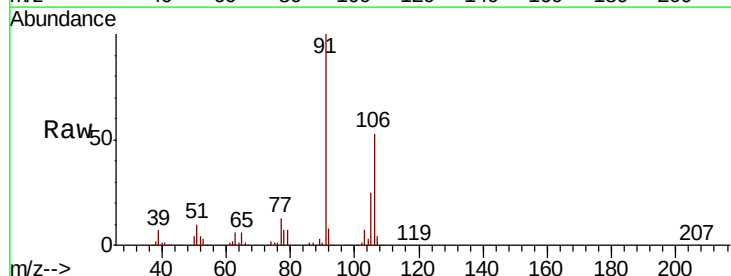
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

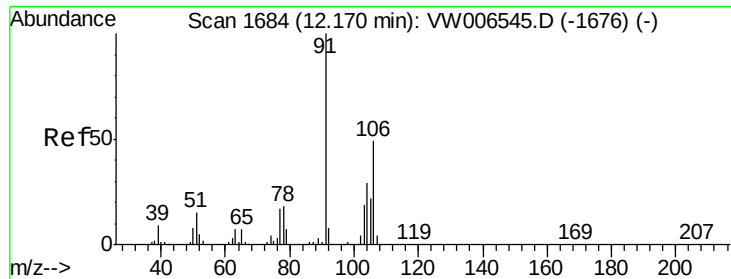
Tgt Ion: 91 Resp: 210500
Ion Ratio Lower Upper
91 100
106 32.5 26.3 39.5



#68
m/p-Xylenes
Concen: 43.352 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion: 106 Resp: 171930
Ion Ratio Lower Upper
106 100
91 194.0 156.7 235.1

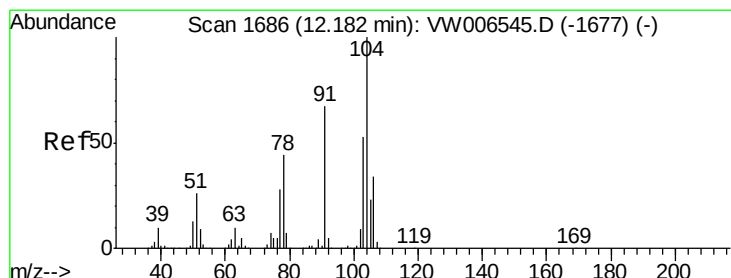
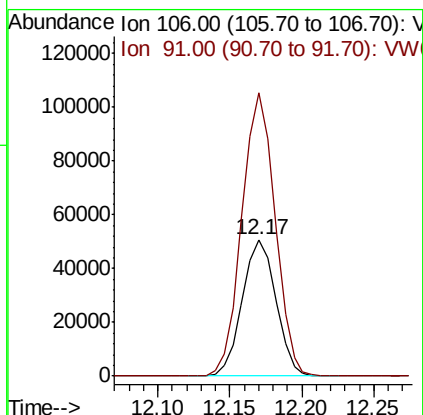
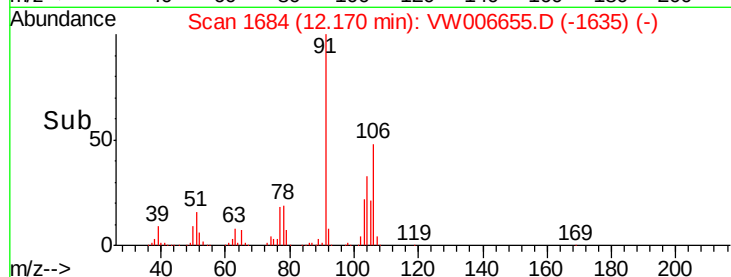
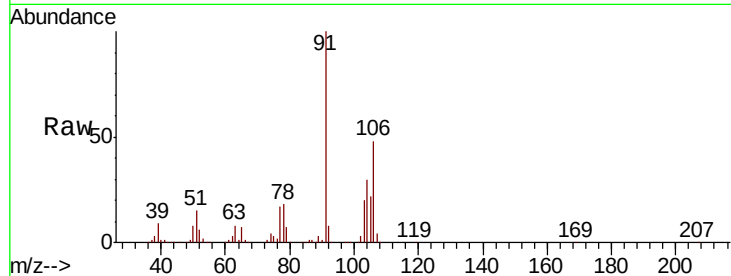




#69
o-Xylene
Concen: 21.744 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

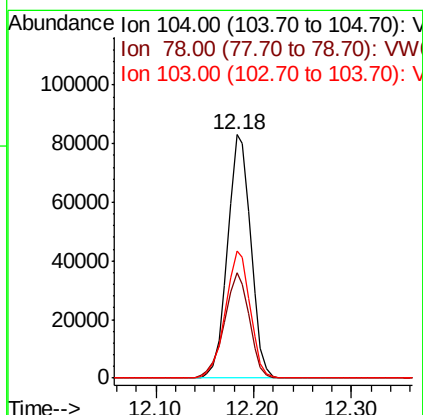
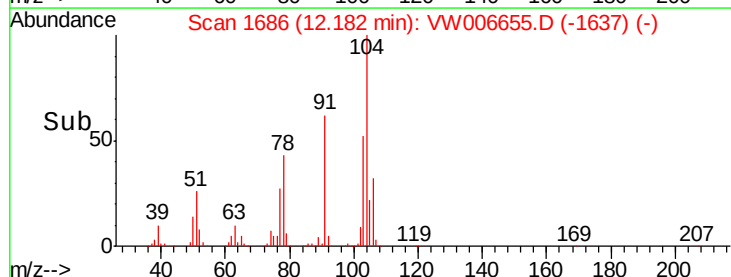
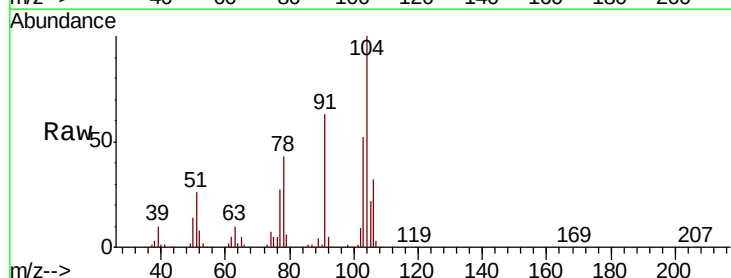
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

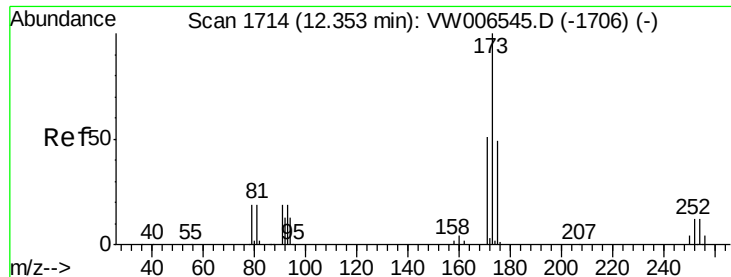
Tgt Ion:106 Resp: 82099
Ion Ratio Lower Upper
106 100
91 206.0 102.8 308.4



#70
Styrene
Concen: 22.237 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion:104 Resp: 136885
Ion Ratio Lower Upper
104 100
78 46.5 37.2 55.8
103 55.4 44.2 66.2





#71

Bromoform

Concen: 23.927 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

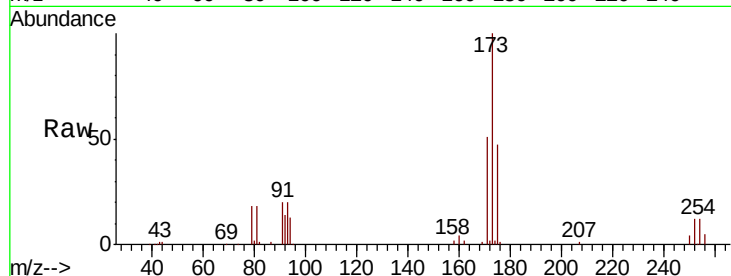
Tgt Ion:173 Resp: 26476

Ion Ratio Lower Upper

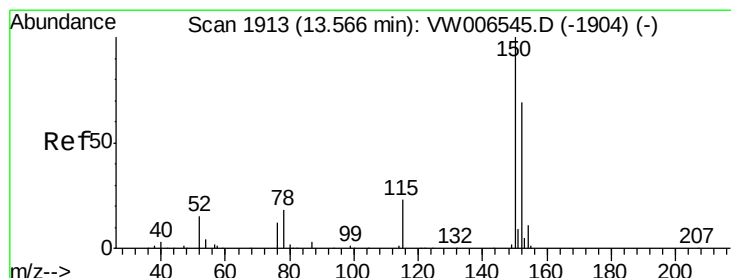
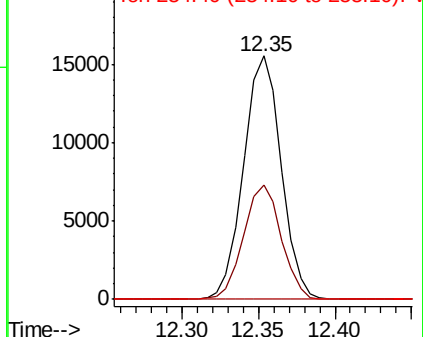
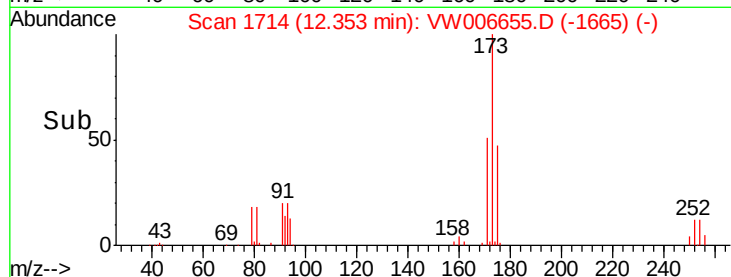
173 100

175 47.1 24.1 72.4

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: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

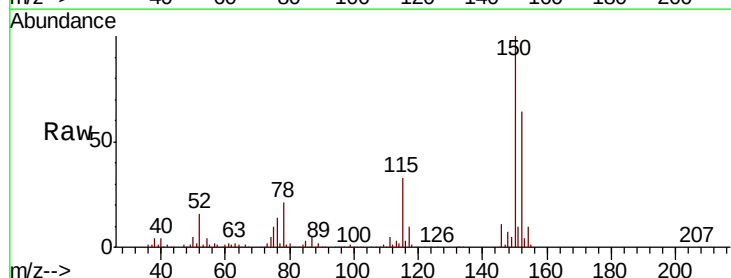
Tgt Ion:152 Resp: 162733

Ion Ratio Lower Upper

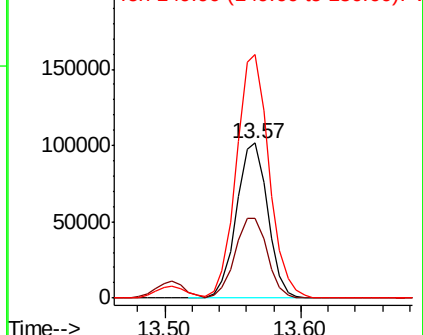
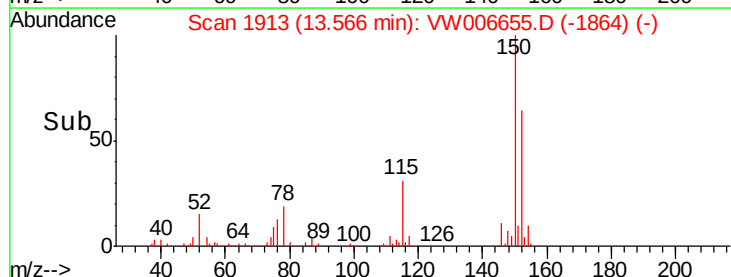
152 100

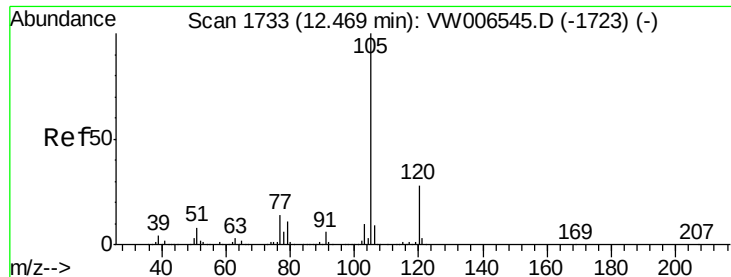
115 53.4 26.6 79.8

150 163.9 0.0 344.6



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: 20.123 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

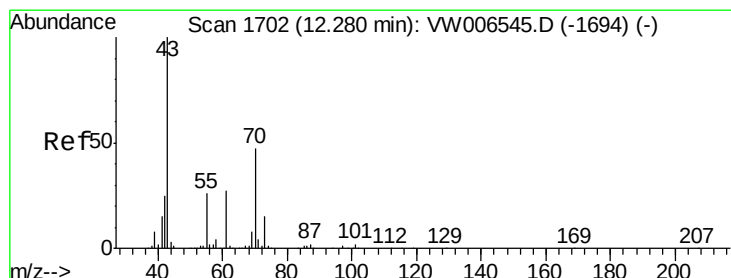
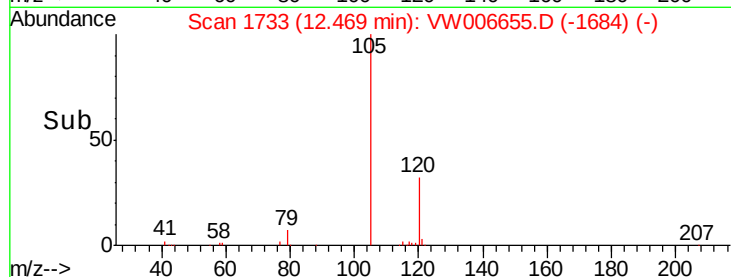
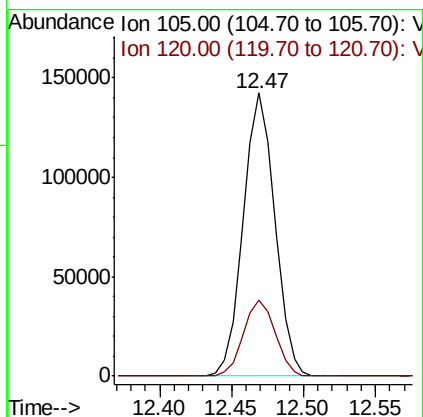
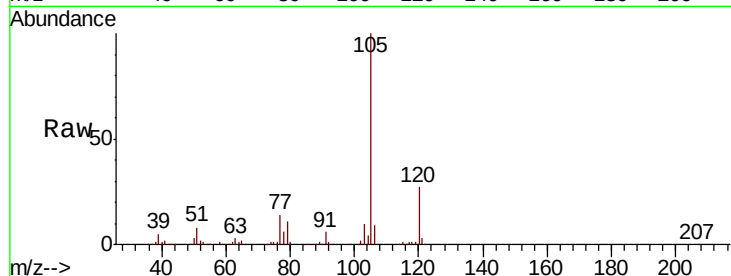
VW1105SBS02

Tgt Ion: 105 Resp: 215720

Ion Ratio Lower Upper

105 100

120 27.1 13.7 41.1



#74

N-ethyl acetate

Concen: 21.545 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Tgt Ion: 43 Resp: 39911

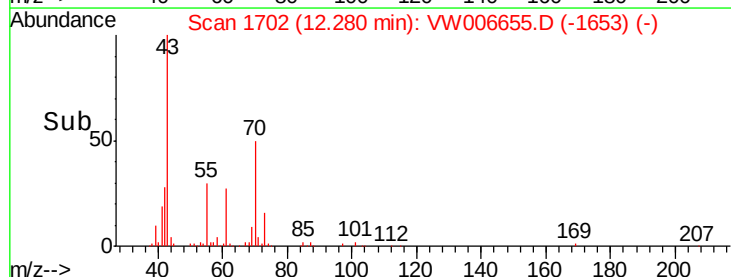
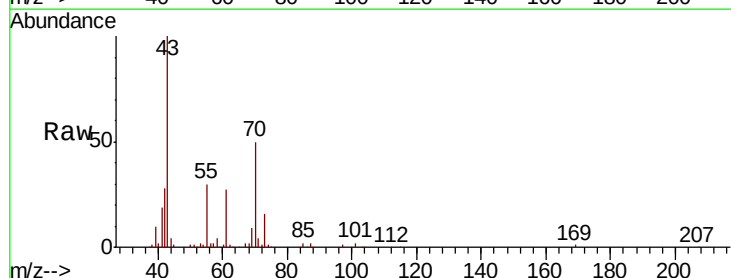
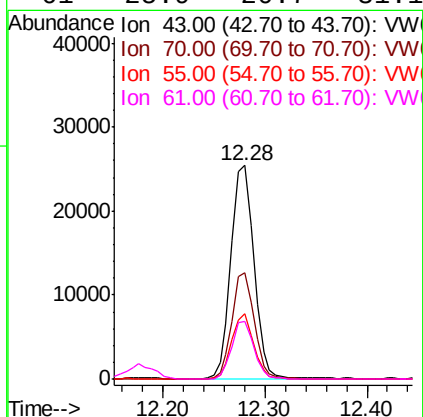
Ion Ratio Lower Upper

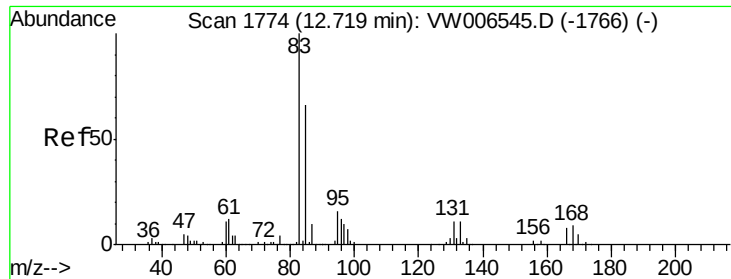
43 100

70 48.0 36.9 55.3

55 29.1 20.7 31.1

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 23.157 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

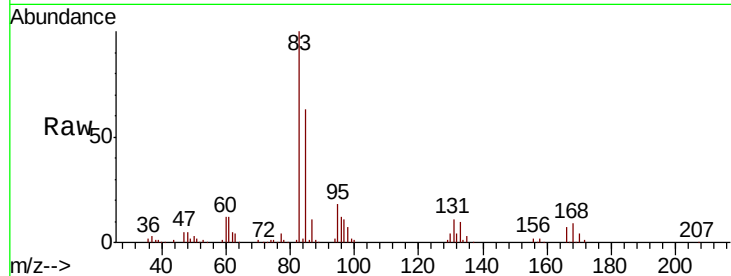
Tgt Ion: 83 Resp: 39208

Ion Ratio Lower Upper

83 100

131 12.0 5.9 17.7

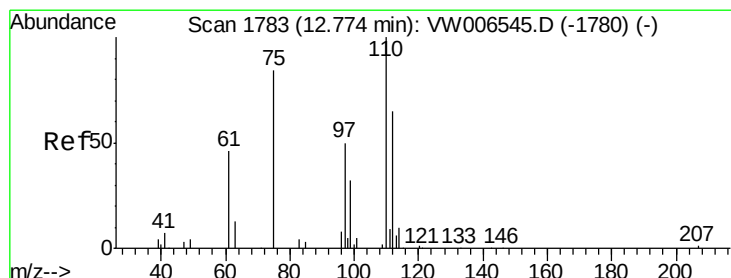
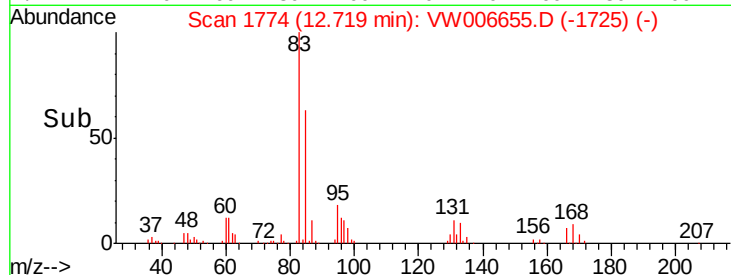
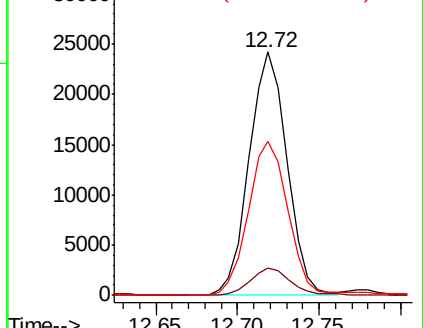
85 65.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 38.086 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW006655.D

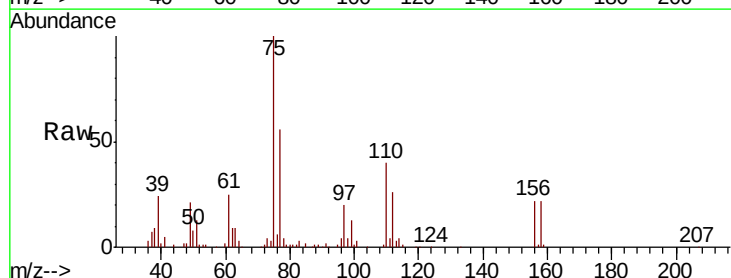
Acq: 06 Nov 2018 01:09

Tgt Ion: 75 Resp: 48357

Ion Ratio Lower Upper

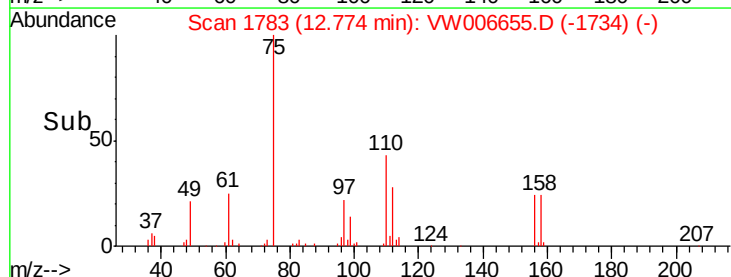
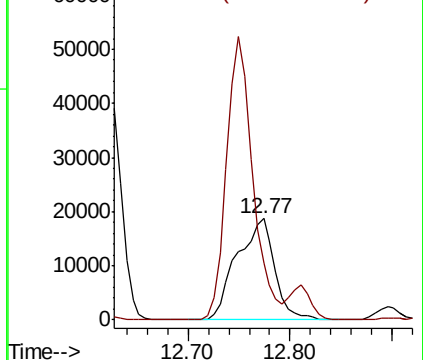
75 100

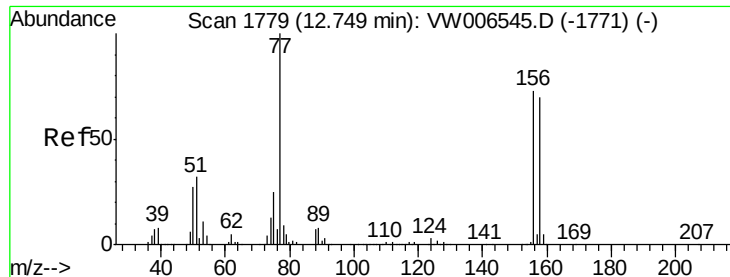
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 22.090 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

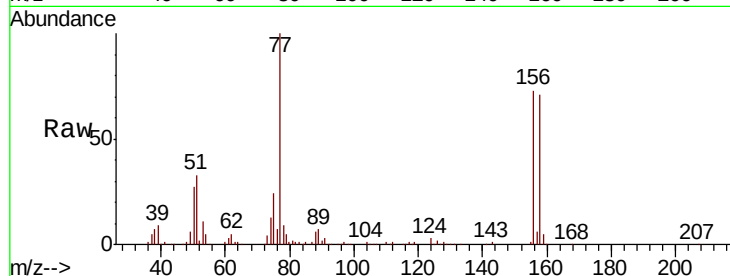
Tgt Ion:156 Resp: 61313

Ion Ratio Lower Upper

156 100

77 152.9 75.9 227.8

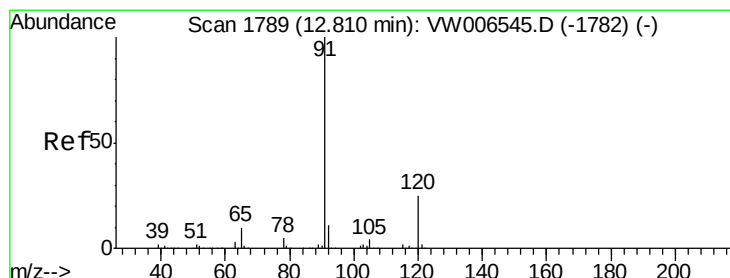
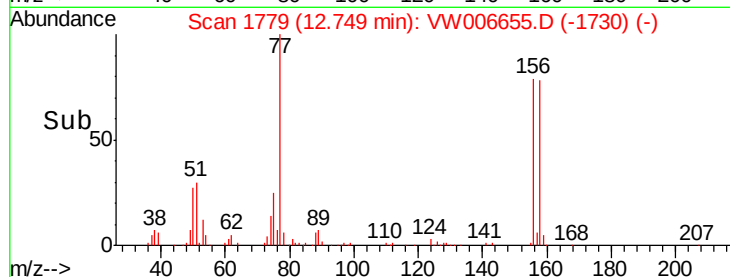
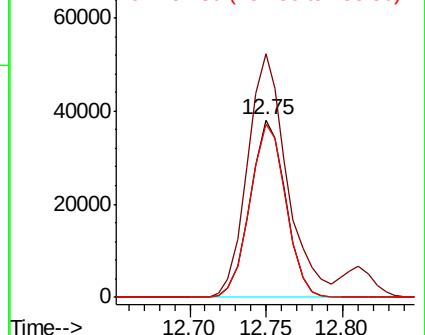
158 99.2 48.6 145.9



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.599 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW006655.D

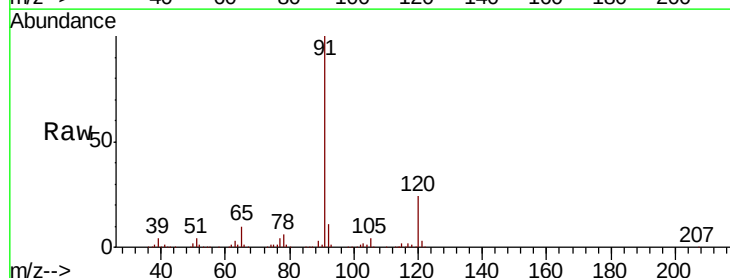
Acq: 06 Nov 2018 01:09

Tgt Ion: 91 Resp: 253993

Ion Ratio Lower Upper

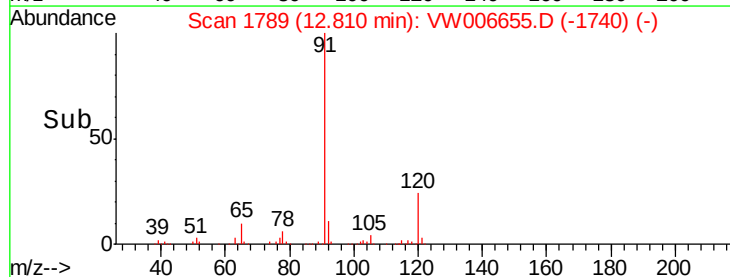
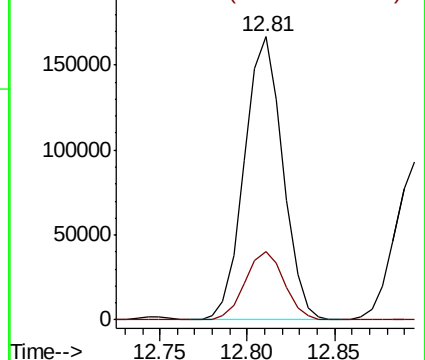
91 100

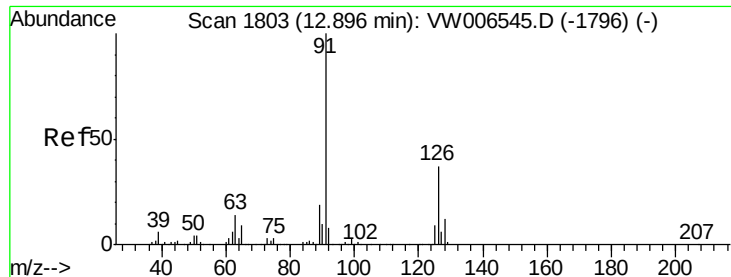
120 24.8 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.339 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

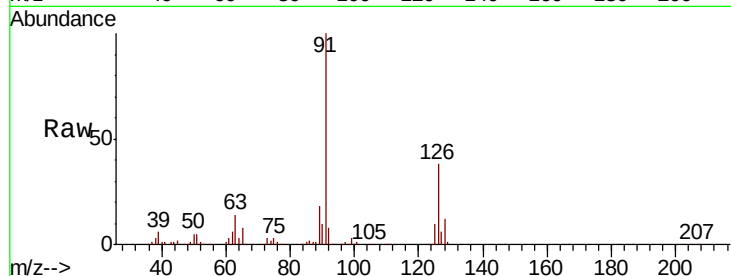
VW1105SBS02

Tgt Ion: 91 Resp: 151007

Ion Ratio Lower Upper

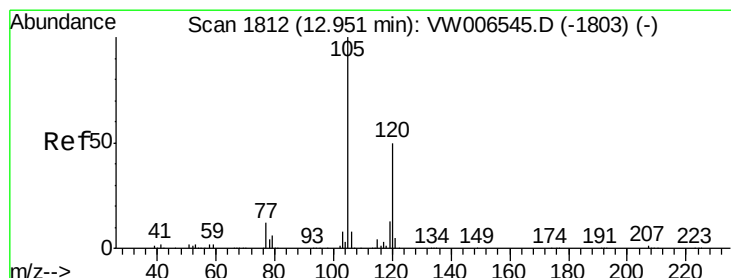
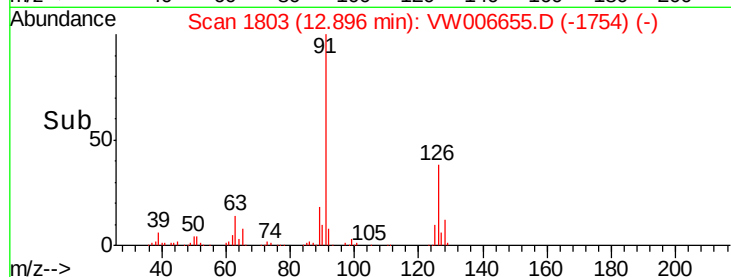
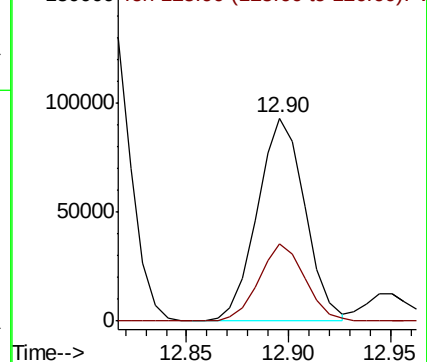
91 100

126 37.1 18.5 55.5



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: 21.114 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW006655.D

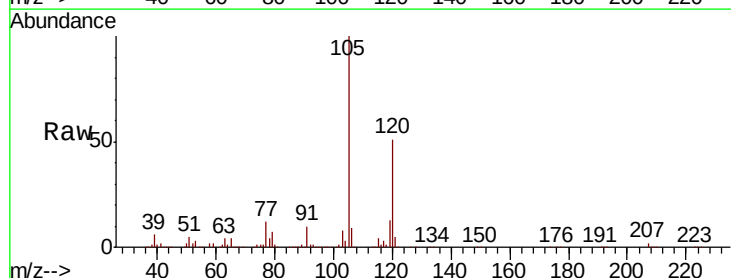
Acq: 06 Nov 2018 01:09

Tgt Ion: 105 Resp: 190157

Ion Ratio Lower Upper

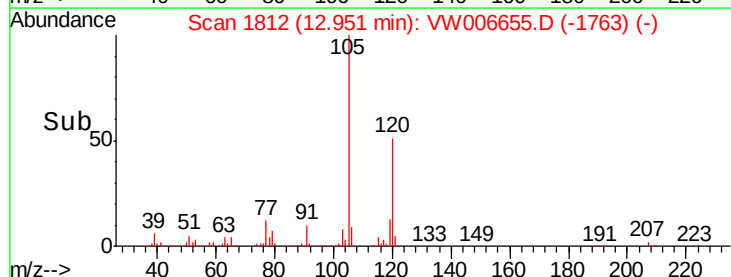
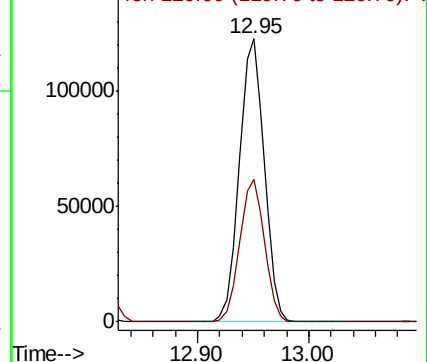
105 100

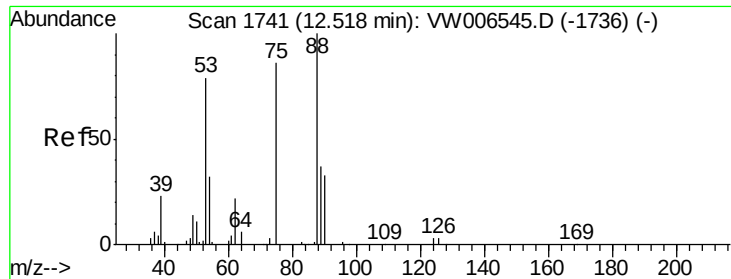
120 50.1 25.1 75.3



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: 21.790 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

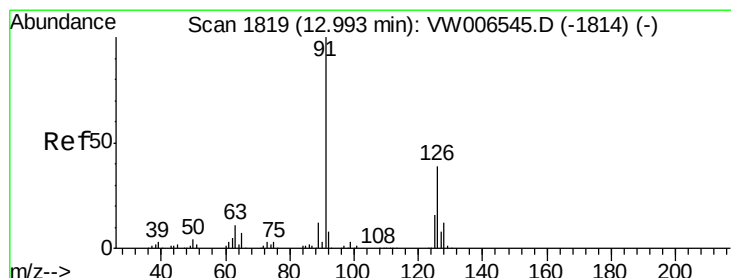
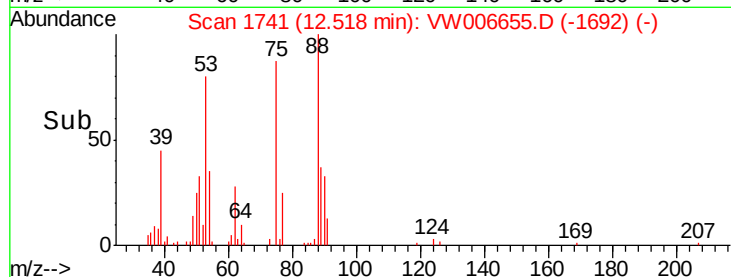
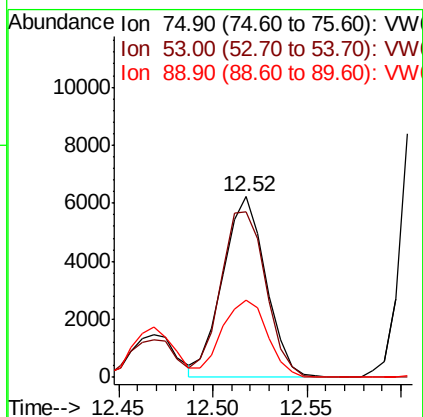
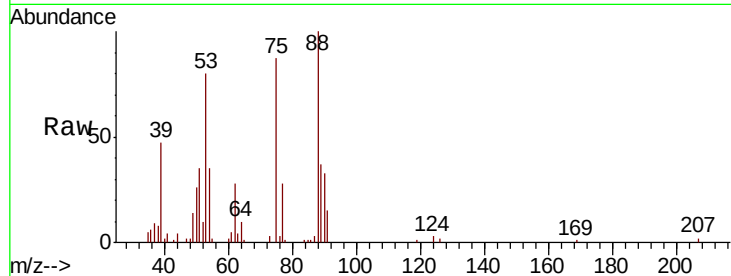
Tgt Ion: 75 Resp: 9906

Ion Ratio Lower Upper

75 100

53 96.2 77.2 115.8

89 45.4 38.6 58.0



#82

4-Chlorotoluene

Concen: 21.609 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. 0.00 min

Lab File: VW006655.D

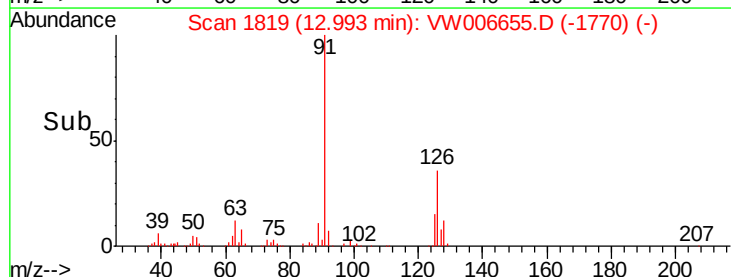
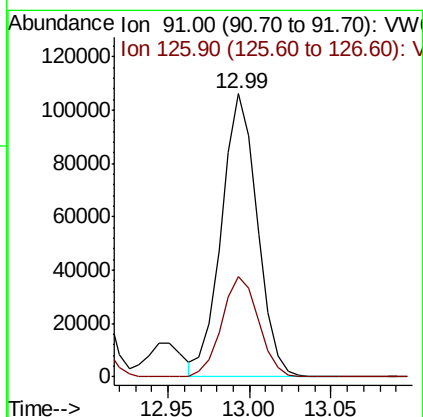
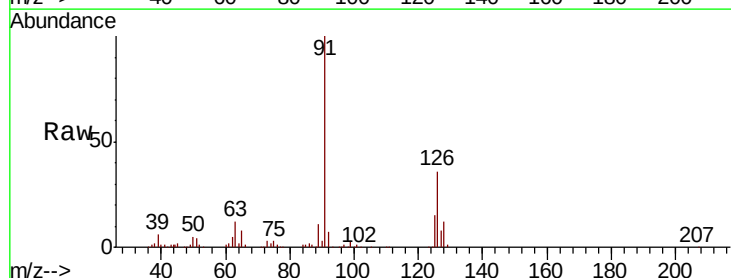
Acq: 06 Nov 2018 01:09

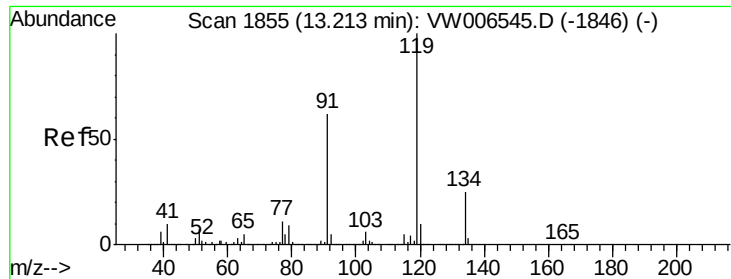
Tgt Ion: 91 Resp: 161780

Ion Ratio Lower Upper

91 100

126 36.4 18.5 55.5

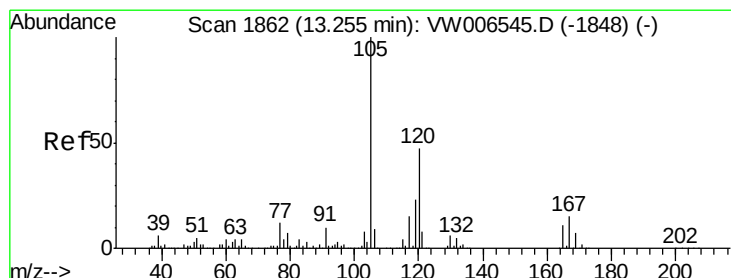
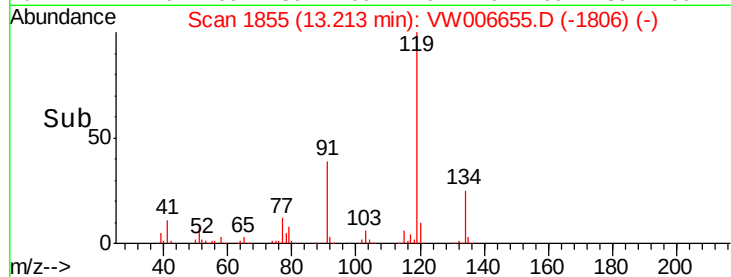
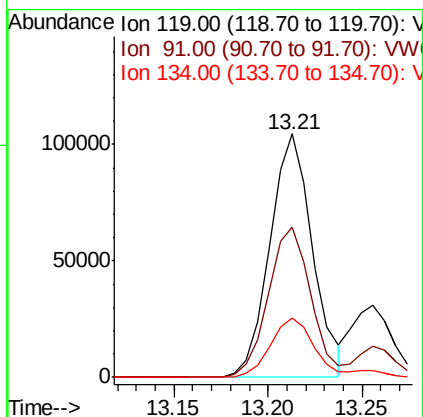
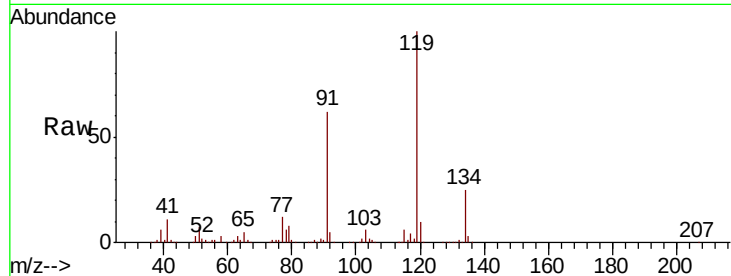




#83
tert-Butylbenzene
Concen: 20.435 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

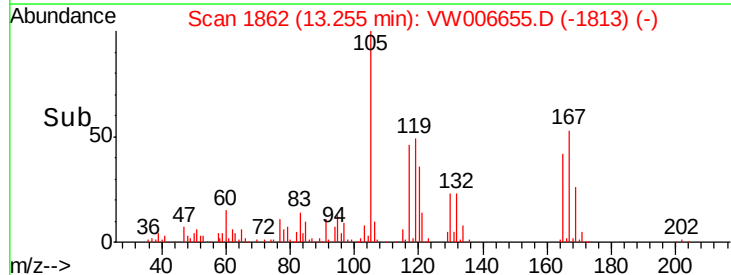
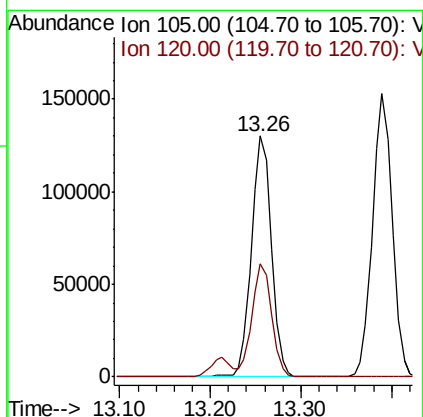
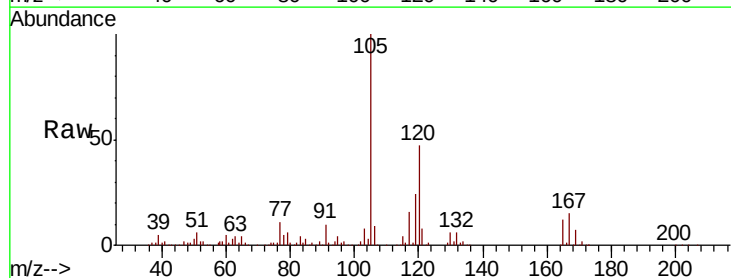
Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

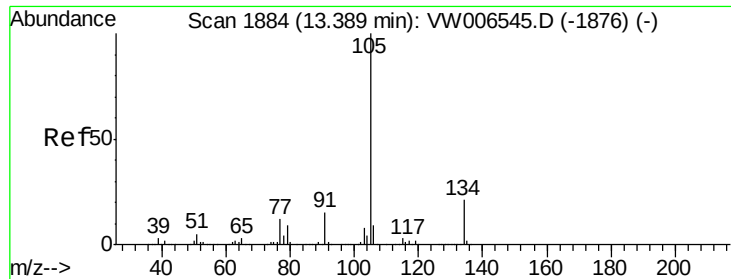
Tgt Ion:119 Resp: 164126
Ion Ratio Lower Upper
119 100
91 61.2 30.4 91.3
134 24.9 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 21.555 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion:105 Resp: 199115
Ion Ratio Lower Upper
105 100
120 45.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 20.475 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

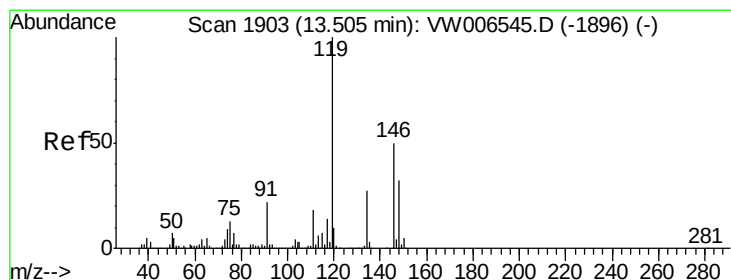
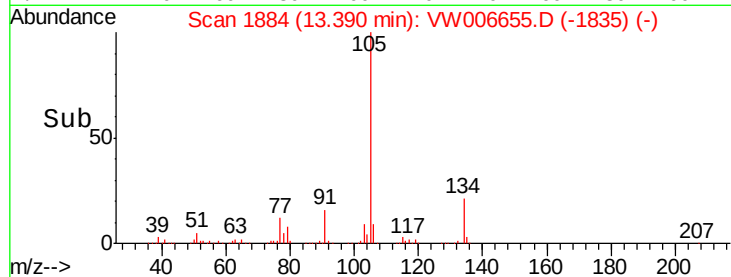
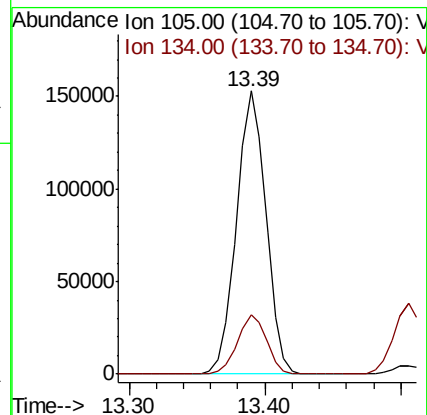
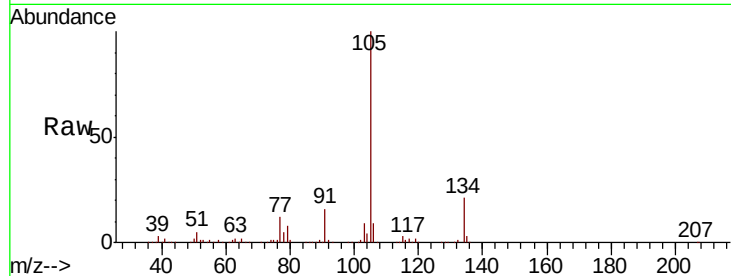
VW1105SBS02

Tgt Ion:105 Resp: 230310

Ion Ratio Lower Upper

105 100

134 20.9 10.6 31.8



#86

p-Isopropyltoluene

Concen: 20.354 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

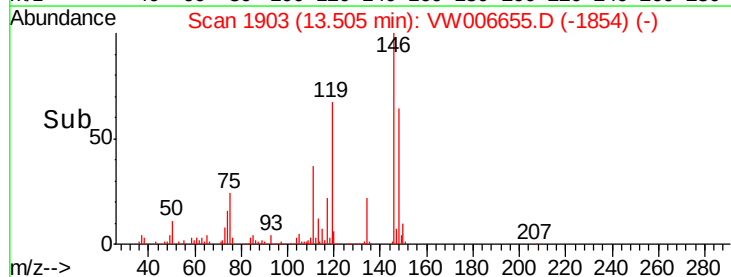
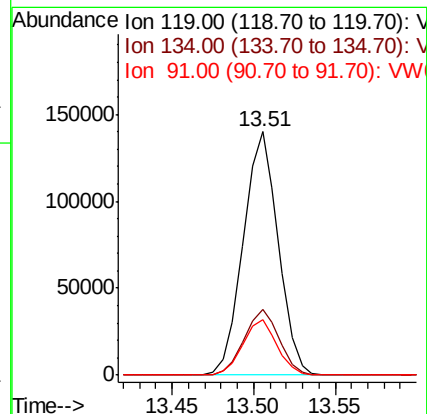
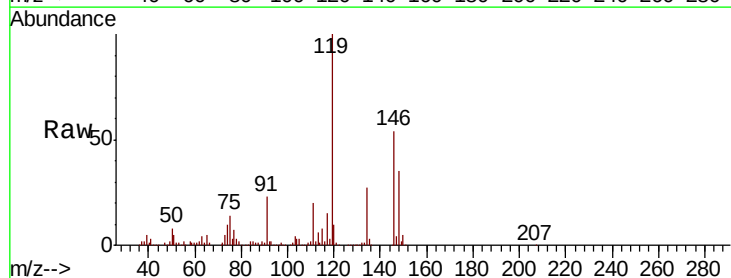
Tgt Ion:119 Resp: 208329

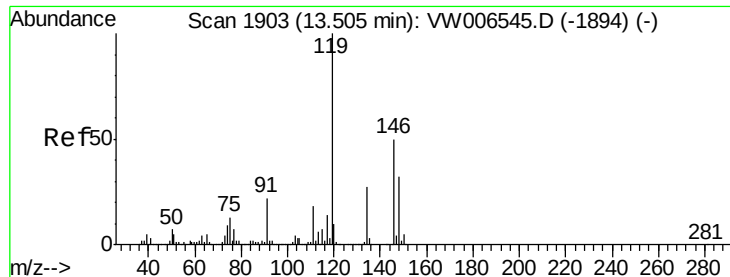
Ion Ratio Lower Upper

119 100

134 27.1 13.6 40.7

91 22.4 10.9 32.6

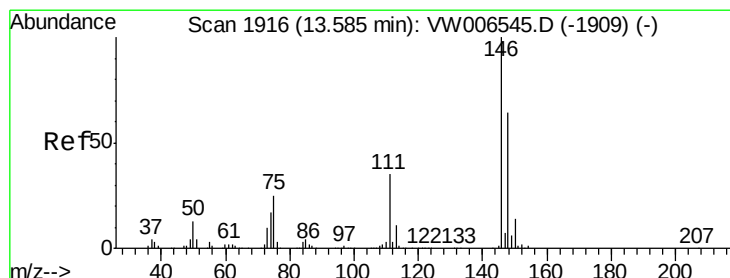
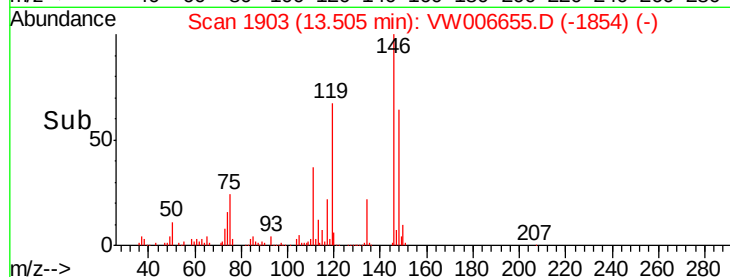
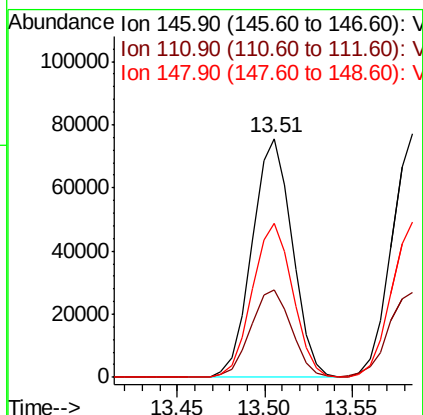
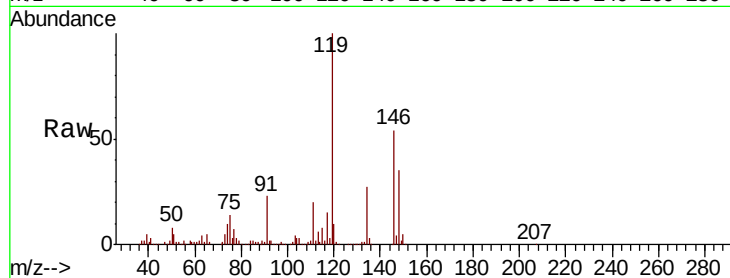




#87
 1,3-Dichlorobenzene
 Concen: 22.049 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

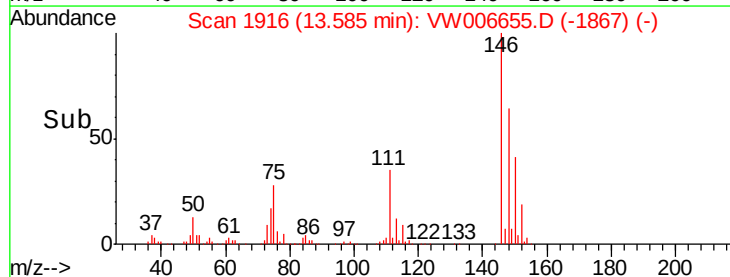
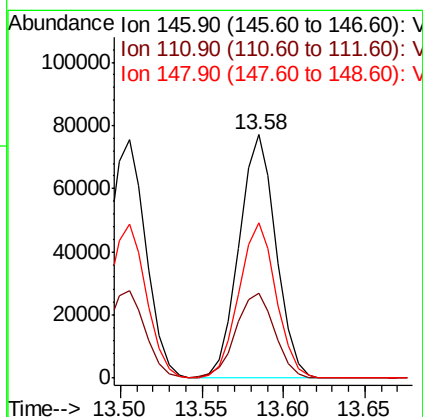
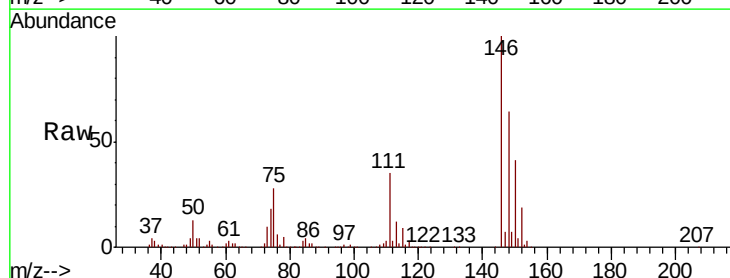
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

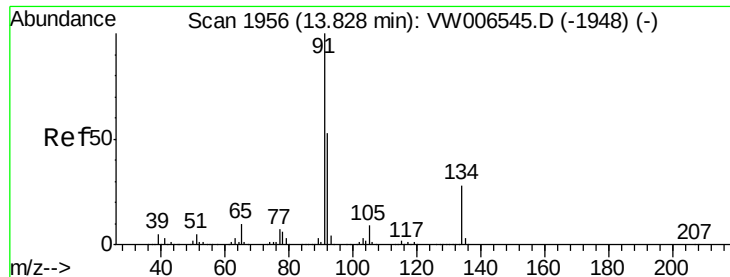
Tgt Ion:146 Resp: 120523
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.6 55.6
 148 64.7 32.1 96.3



#88
 1,4-Dichlorobenzene
 Concen: 22.380 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion:146 Resp: 121263
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.9 53.7
 148 64.3 32.1 96.5





#89

n-Butylbenzene

Concen: 20.247 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW006655.D

Acq: 06 Nov 2018 01:09

Instrument :

MSVOA_W

ClientSampleId :

VW1105SBS02

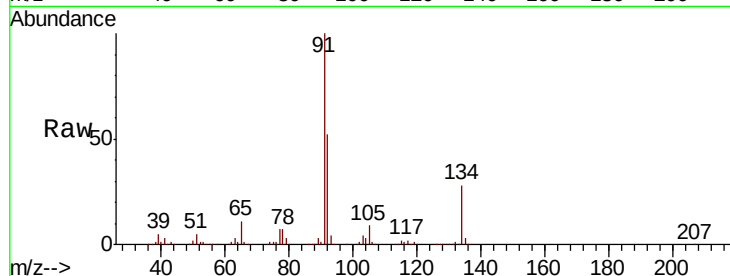
Tgt Ion: 91 Resp: 183958

Ion Ratio Lower Upper

91 100

92 52.1 26.4 79.0

134 28.5 14.3 42.9

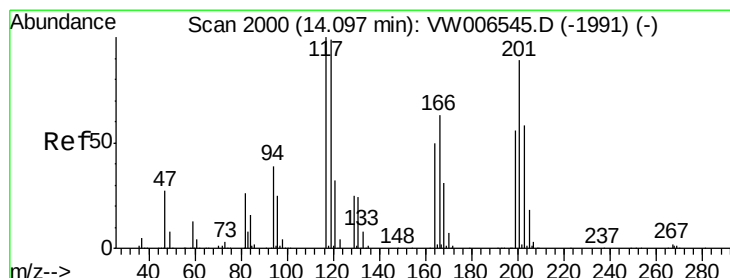
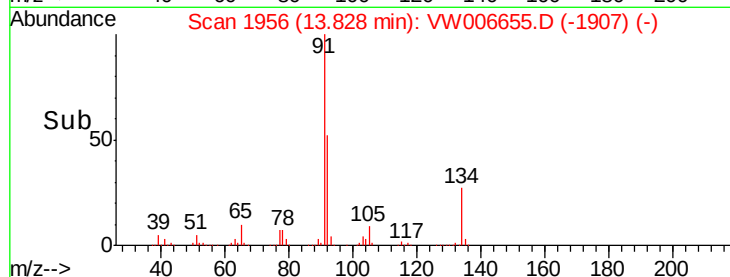
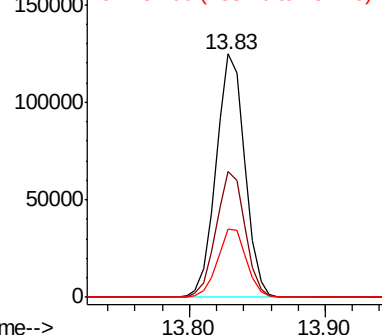


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

Ion 134.00 (133.70 to 134.70): VW



#90

Hexachloroethane

Concen: 21.252 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW006655.D

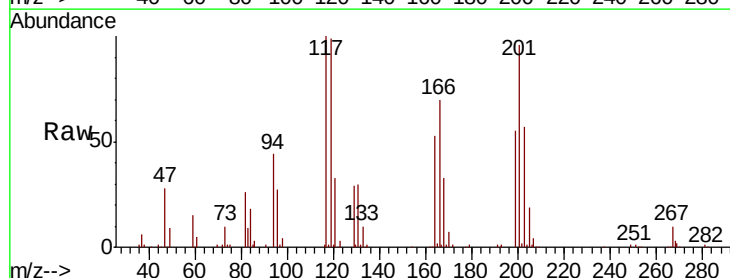
Acq: 06 Nov 2018 01:09

Tgt Ion: 117 Resp: 35750

Ion Ratio Lower Upper

117 100

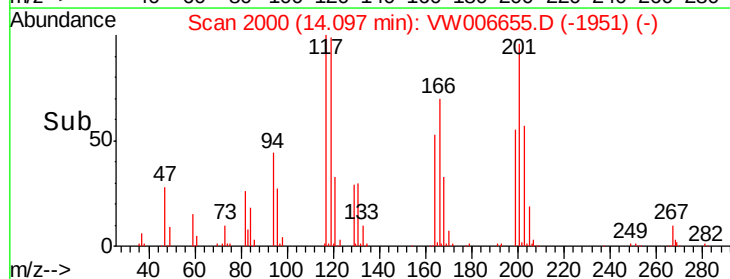
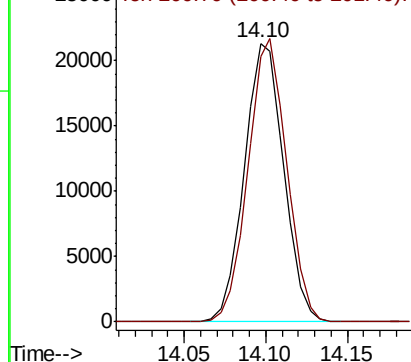
201 99.6 46.8 140.3

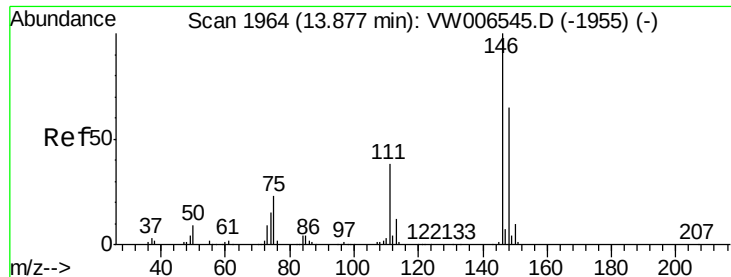


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

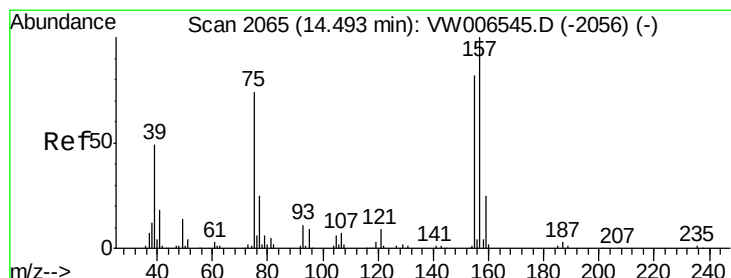
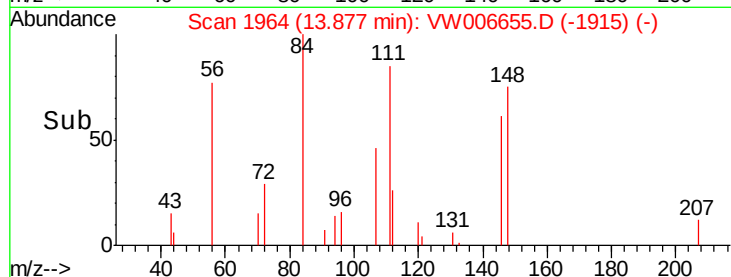
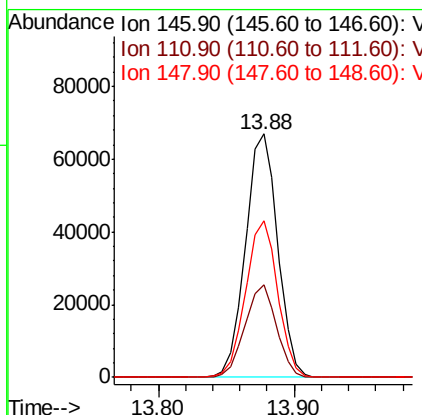
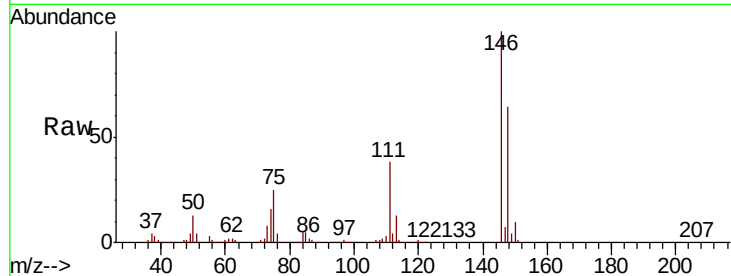




#91
 1,2-Dichlorobenzene
 Concen: 22.584 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

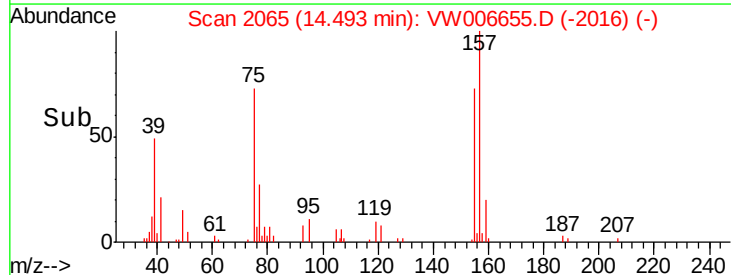
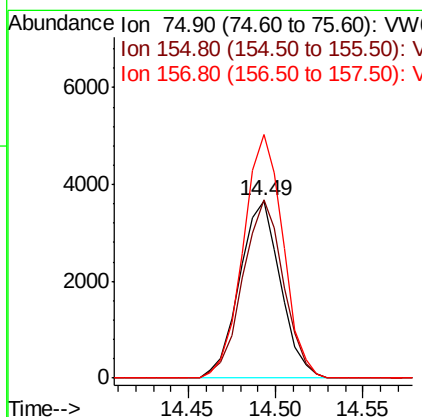
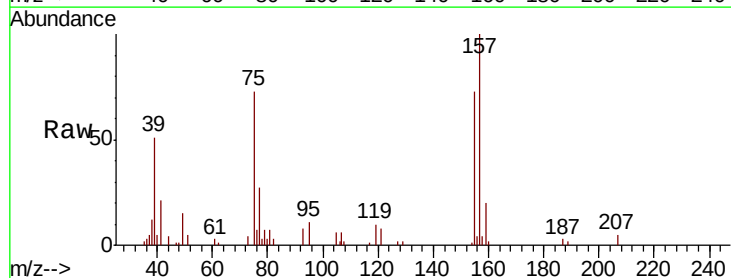
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

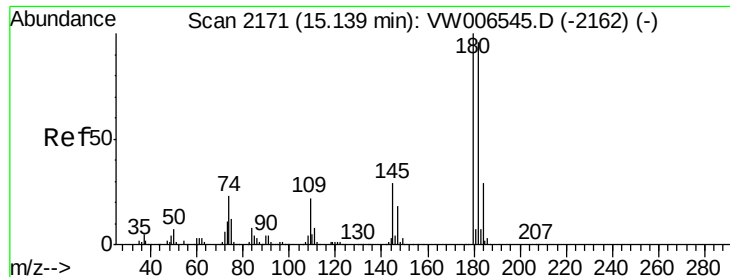
Tgt Ion:146 Resp: 111040
 Ion Ratio Lower Upper
 146 100
 111 37.4 19.1 57.5
 148 63.9 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.825 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion: 75 Resp: 5996
 Ion Ratio Lower Upper
 75 100
 155 99.9 50.6 151.8
 157 133.7 65.0 195.0

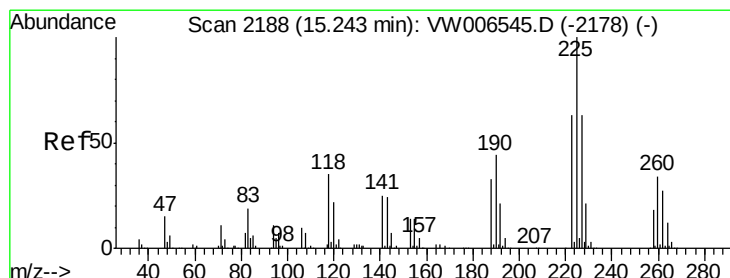
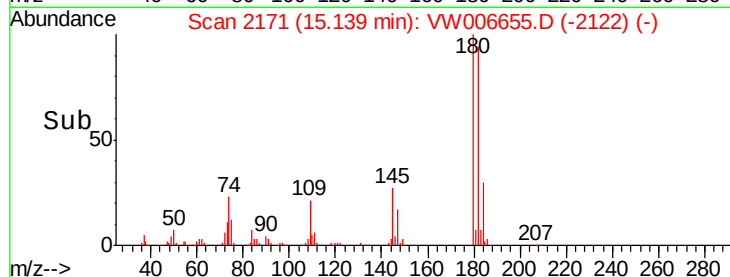
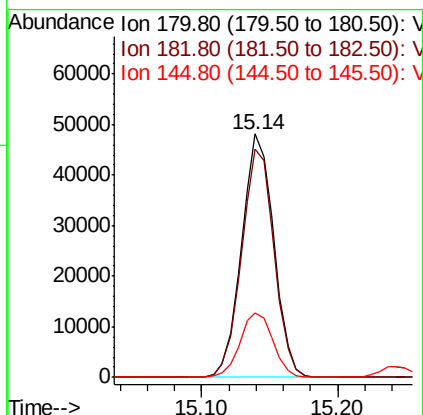
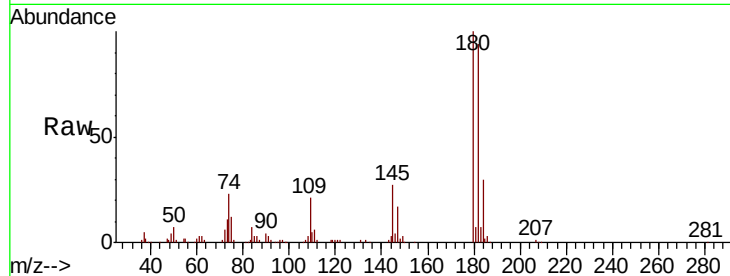




#93
 1,2,4-Trichlorobenzene
 Concen: 21.759 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

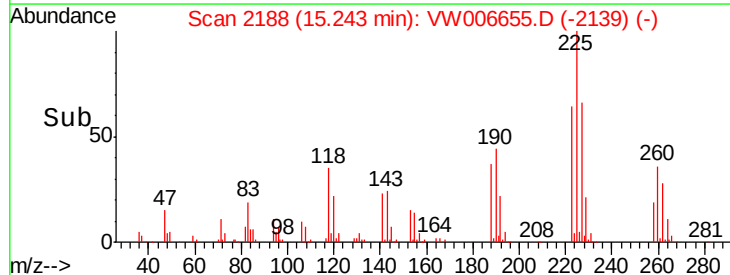
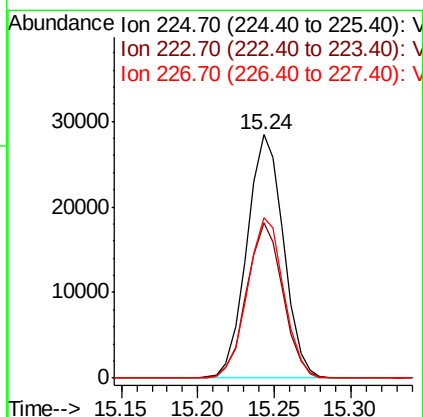
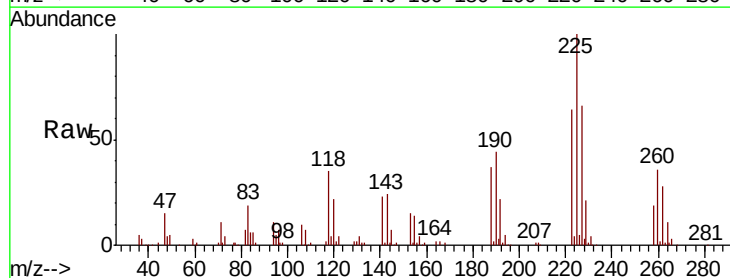
Instrument :
 MSVOA_W
 ClientSampleId :
 VW1105SBS02

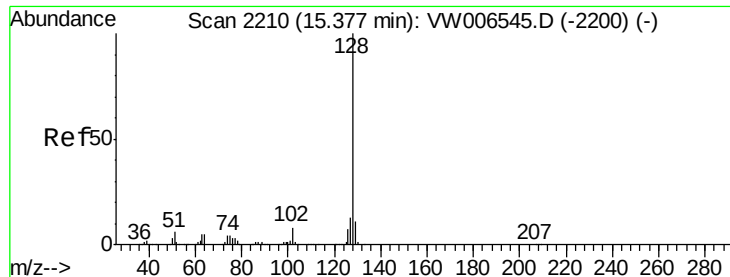
Tgt Ion:180 Resp: 79551
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.5 142.6
 145 27.1 14.0 42.0



#94
 Hexachlorobutadiene
 Concen: 20.726 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.00 min
 Lab File: VW006655.D
 Acq: 06 Nov 2018 01:09

Tgt Ion:225 Resp: 47227
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.4 94.2
 227 65.3 32.2 96.6

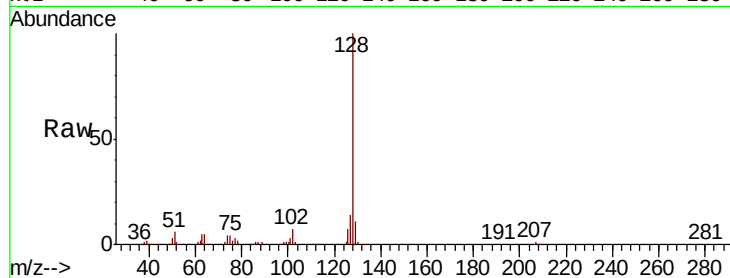




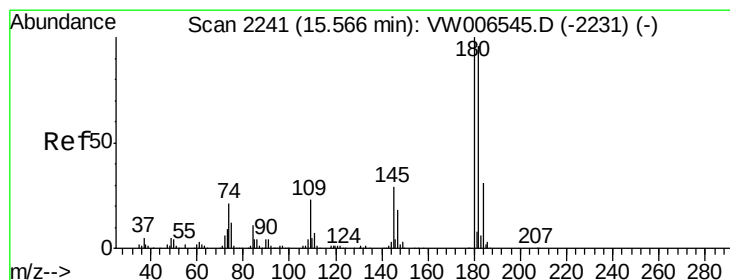
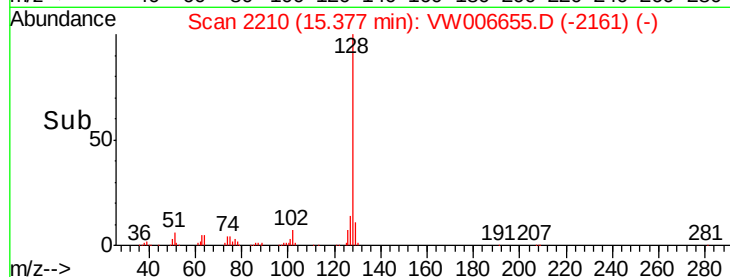
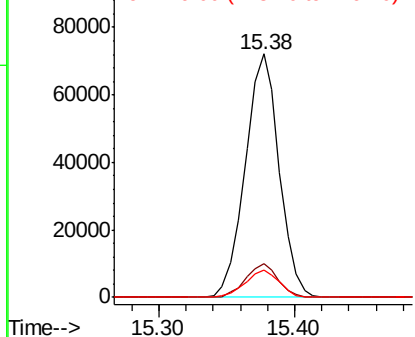
#95
Naphthalene
Concen: 21.396 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Instrument :
MSVOA_W
ClientSampleId :
VW1105SBS02

Tgt Ion:128 Resp: 125723
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.1 8.7 13.1

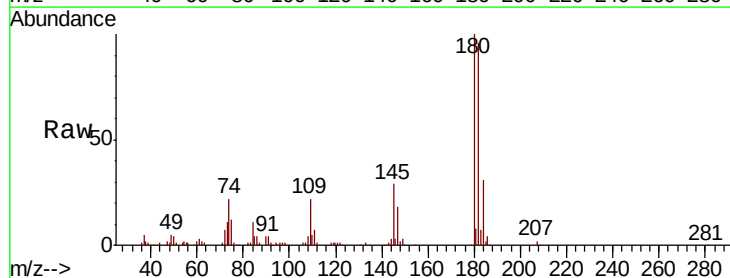


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.069 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW006655.D
Acq: 06 Nov 2018 01:09

Tgt Ion:180 Resp: 70914
Ion Ratio Lower Upper
180 100
182 95.6 48.2 144.6
145 29.2 14.9 44.5



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

