

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007061.D
 Acq On : 26 Nov 2018 21:30
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 27 05:29:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	106585	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	168246	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	51282	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.88	113	46535	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
50) Toluene-d8	10.32	98	203841	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	12.62	95	82365	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	48428	46.019	ug/l	99
3) Chloromethane	2.21	50	43449	49.543	ug/l	99
4) Vinyl Chloride	2.35	62	41842	48.491	ug/l	100
5) Bromomethane	2.78	94	25493	55.353	ug/l	90
6) Chloroethane	2.92	64	23146	48.662	ug/l	99
7) Trichlorofluoromethane	3.26	101	81565	48.072	ug/l	100
8) Diethyl Ether	3.69	74	28623	52.354	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	49845	45.314	ug/l	98
10) Methyl Iodide	4.28	142	65933	52.361	ug/l	99
11) Tert butyl alcohol	5.22	59	22387	329.560	ug/l	98
12) 1,1-Dichloroethene	4.04	96	47656	49.398	ug/l	98
13) Acrolein	3.90	56	19994	286.604	ug/l	99
14) Allyl chloride	4.67	41	80471	50.289	ug/l	100
15) Acrylonitrile	5.38	53	59818	291.108	ug/l	99
16) Acetone	4.15	43	45666	301.420	ug/l	97
17) Carbon Disulfide	4.38	76	160166	51.351	ug/l	98
18) Methyl Acetate	4.68	43	29757	55.154	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	143651	57.026	ug/l	97
20) Methylene Chloride	4.92	84	64622	53.950	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	55171	49.092	ug/l	97
22) Diisopropyl ether	6.31	45	161936	51.994	ug/l	95
23) Vinyl Acetate	6.26	43	475574	287.542	ug/l	100
24) 1,1-Dichloroethane	6.22	63	94932	50.104	ug/l	98
25) 2-Butanone	7.18	43	75353	290.397	ug/l	96
26) 2,2-Dichloropropane	7.17	77	82405	48.365	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	60932	50.913	ug/l	99
28) Bromochloromethane	7.51	49	35997	50.833	ug/l	100
29) Tetrahydrofuran	7.53	42	48314	287.491	ug/l	99
30) Chloroform	7.68	83	100221	49.789	ug/l	100
31) Cyclohexane	7.96	56	89733	44.650	ug/l	99
32) 1,1,1-Trichloroethane	7.88	97	90821	50.092	ug/l	100
36) 1,1-Dichloropropene	8.09	75	80596	49.021	ug/l	99
37) Ethyl Acetate	7.26	43	35187	59.060	ug/l	99
38) Carbon Tetrachloride	8.07	117	78508	49.866	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
 Data File : VW007061.D
 Acq On : 26 Nov 2018 21:30
 Operator : VAY/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050EC

Quant Time: Nov 27 05:29:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 21 03:23:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	100410	48.803	ug/l	97
40) Benzene	8.32	78	228339	51.451	ug/l	97
41) Methacrylonitrile	7.49	41	20598	55.671	ug/l	100
42) 1,2-Dichloroethane	8.40	62	68008	52.781	ug/l	100
43) Isopropyl Acetate	8.43	43	69912	61.577	ug/l	96
44) Trichloroethene	9.09	130	64089	51.515	ug/l	96
45) 1,2-Dichloropropane	9.37	63	56434	51.585	ug/l	99
46) Dibromomethane	9.46	93	29863	54.509	ug/l	99
47) Bromodichloromethane	9.65	83	76539	53.025	ug/l	98
48) Methyl methacrylate	9.44	41	33540	61.266	ug/l	98
49) 1,4-Dioxane	9.48	88	10184	1250.661	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	169302	295.074	ug/l	100
52) Toluene	10.39	92	157760	52.233	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	80142	57.314	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	92007	54.464	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44636	55.376	ug/l	97
56) Ethyl methacrylate	10.65	69	58216	62.220	ug/l	98
57) 1,3-Dichloropropane	10.93	76	74824	55.393	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	135416	276.969	ug/l	100
59) 2-Hexanone	10.97	43	120917	307.750	ug/l	100
60) Dibromochloromethane	11.13	129	53685	58.451	ug/l	98
61) 1,2-Dibromoethane	11.24	107	42585	57.753	ug/l	100
64) Tetrachloroethene	10.87	164	55324	52.434	ug/l	98
65) Chlorobenzene	11.66	112	178267	52.077	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	55906	53.988	ug/l	99
67) Ethyl Benzene	11.73	91	319445	50.798	ug/l	100
68) m/p-Xylenes	11.84	106	253034	102.560	ug/l	99
69) o-Xylene	12.17	106	120117	51.633	ug/l	99
70) Styrene	12.18	104	197316	53.292	ug/l	100
71) Bromoform	12.35	173	29371	60.209	ug/l #	99
73) Isopropylbenzene	12.47	105	327923	50.294	ug/l	99
74) N-amyl acetate	12.27	43	68456	62.645	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	47801	55.088	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	66783	101.304	ug/l #	100
77) Bromobenzene	12.75	156	73450	52.449	ug/l	98
78) n-propylbenzene	12.81	91	389514	49.319	ug/l	100
79) 2-Chlorotoluene	12.90	91	228701	50.221	ug/l	99
80) 1,3,5-Trimethylbenzene	12.95	105	289159	51.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	14949	56.931	ug/l	98
82) 4-Chlorotoluene	12.99	91	242096	50.660	ug/l	100
83) tert-Butylbenzene	13.21	119	245084	50.207	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	288706	51.394	ug/l	99
85) sec-Butylbenzene	13.39	105	342356	49.644	ug/l	99
86) p-Isopropyltoluene	13.51	119	307629	50.564	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	147070	51.442	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	148975	52.263	ug/l	99
89) n-Butylbenzene	13.83	91	288714	50.427	ug/l	100
90) Hexachloroethane	14.10	117	45806	51.570	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	134176	53.561	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9159	62.497	ug/l	99

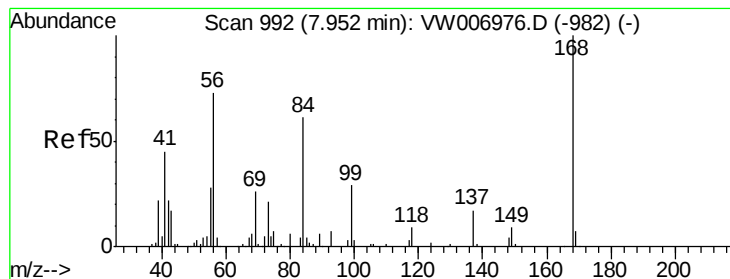
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112618\
Data File : VW007061.D
Acq On : 26 Nov 2018 21:30
Operator : VAY/AP
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Quant Time: Nov 27 05:29:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	89308	54.064	ug/l	99
94) Hexachlorobutadiene	15.24	225	46589	51.879	ug/l	98
95) Naphthalene	15.37	128	180895	60.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	77147	56.292	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: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

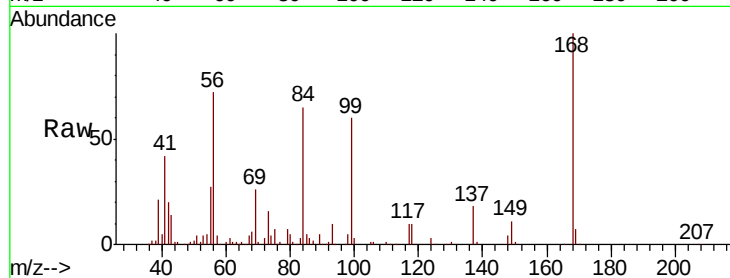
VSTDCCC050EC

Tot Ion:168 Resp: 106585

Ion Ratio Lower Upper

168 100

99 60.2 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

50000

40000

30000

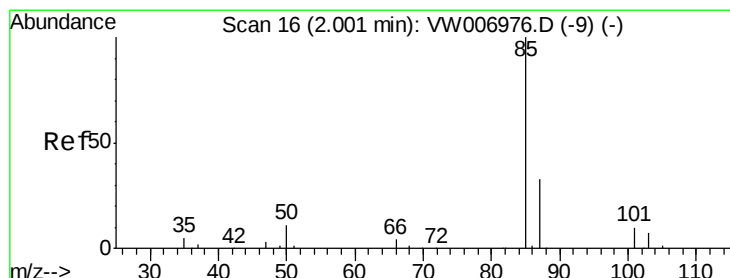
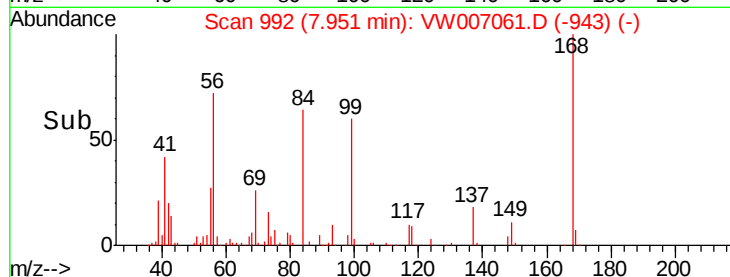
20000

10000

0

Time-->

7.90 8.00



#2

Dichlorodifluoromethane

Concen: 46.019 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.00 min

Lab File: VW007061.D

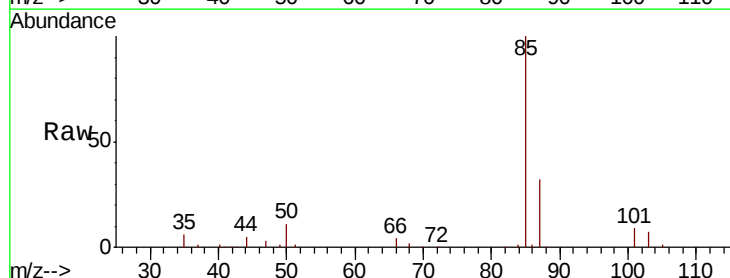
Acq: 26 Nov 2018 21:30

Tgt Ion: 85 Resp: 48428

Ion Ratio Lower Upper

85 100

87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

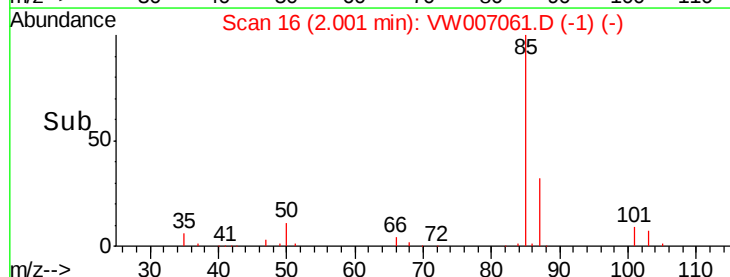
20000

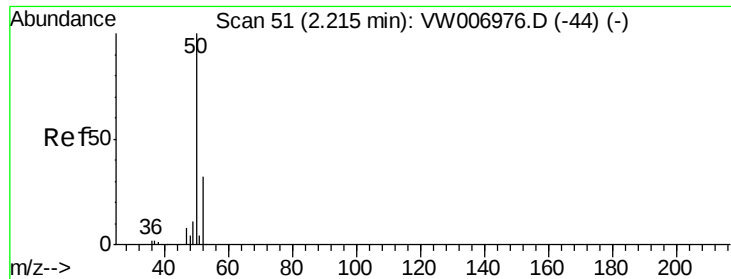
10000

0

Time-->

1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 49.543 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

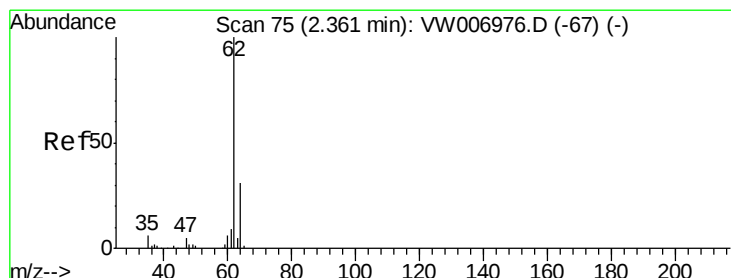
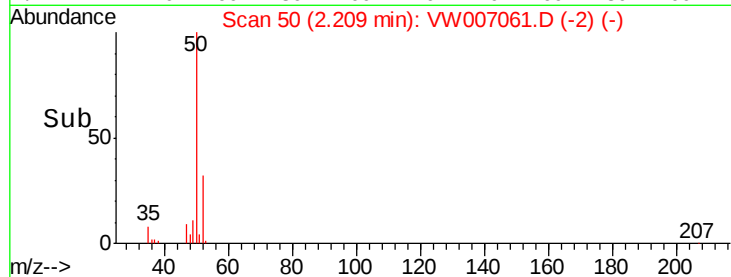
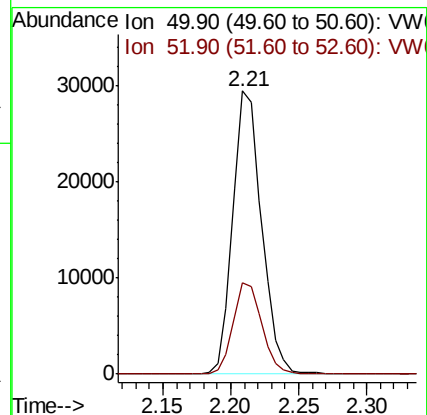
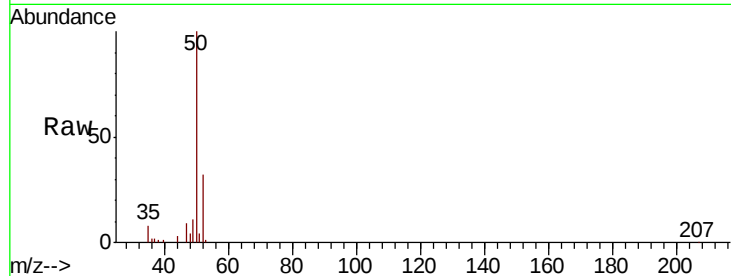
VSTDCCC050EC

Tot Ion: 50 Resp: 43449

Ion Ratio Lower Upper

50 100

52 32.4 25.7 38.5



#4

Vinyl Chloride

Concen: 48.491 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007061.D

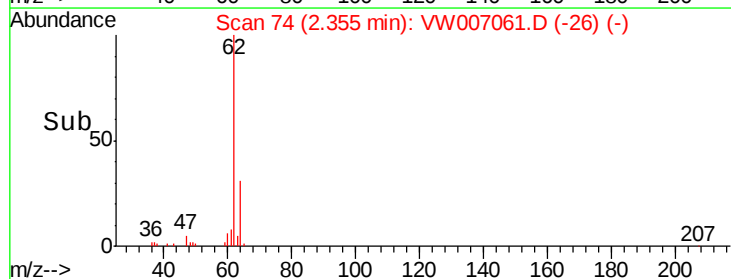
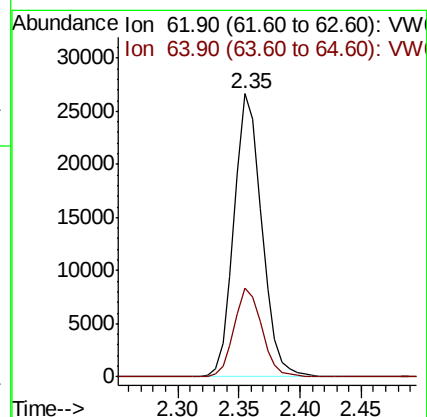
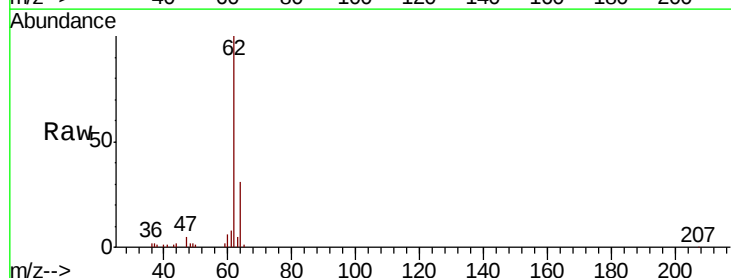
Acq: 26 Nov 2018 21:30

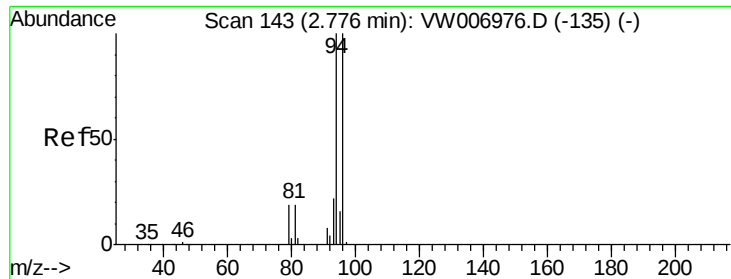
Tgt Ion: 62 Resp: 41842

Ion Ratio Lower Upper

62 100

64 31.5 25.2 37.8





#5

Bromomethane

Concen: 55.353 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

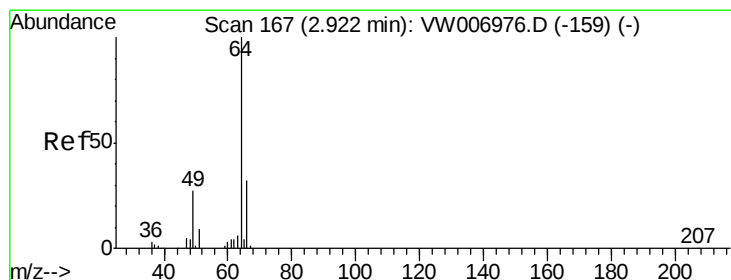
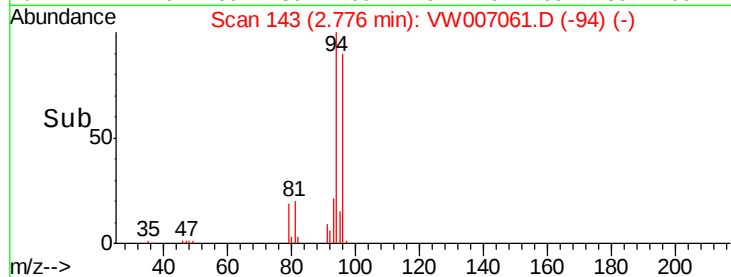
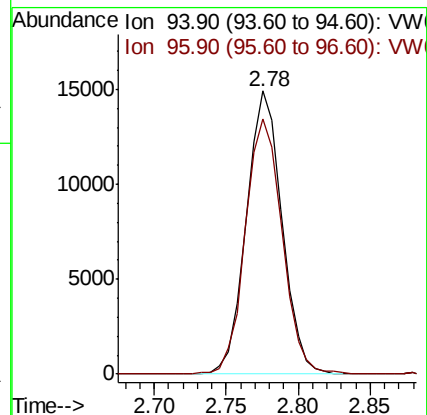
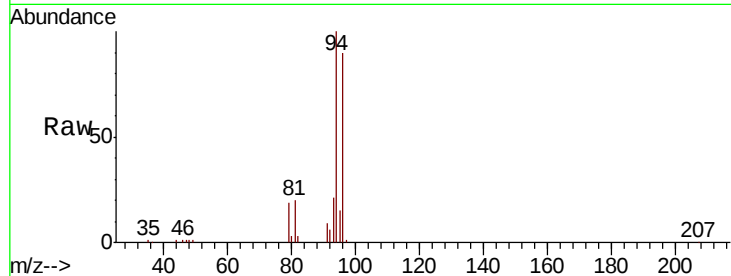
VSTDCCC050EC

Tot Ion: 94 Resp: 25493

Ion Ratio Lower Upper

94 100

96 90.4 80.2 120.2



#6

Chloroethane

Concen: 48.662 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007061.D

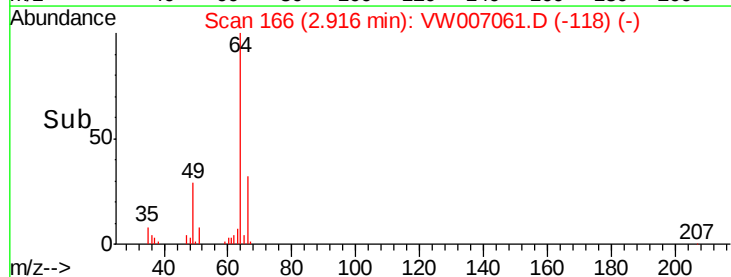
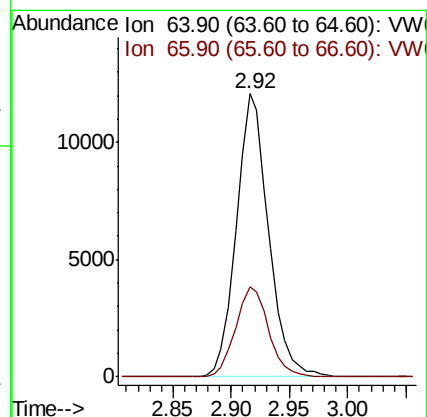
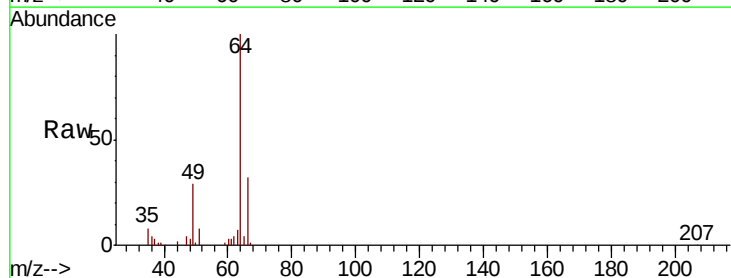
Acq: 26 Nov 2018 21:30

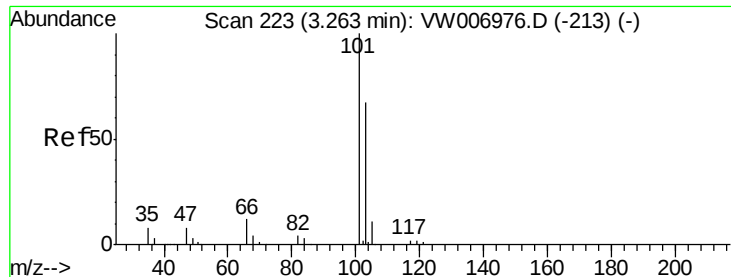
Tgt Ion: 64 Resp: 23146

Ion Ratio Lower Upper

64 100

66 31.9 25.3 37.9



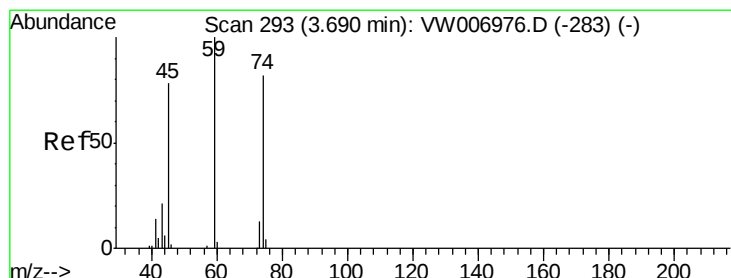
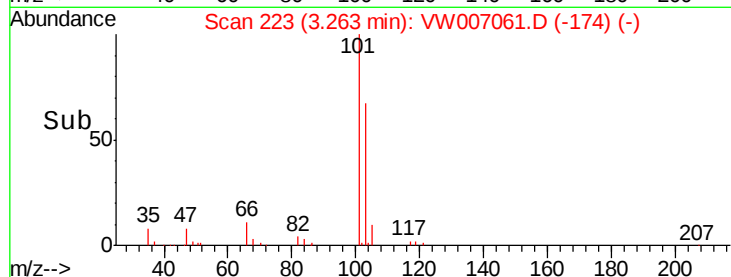
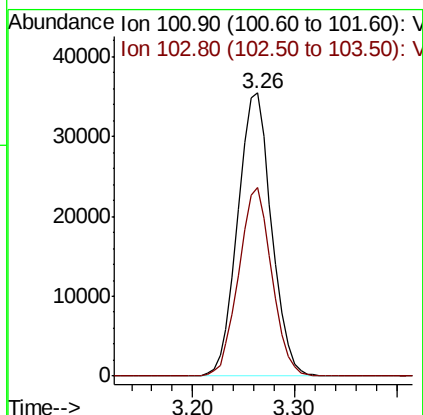
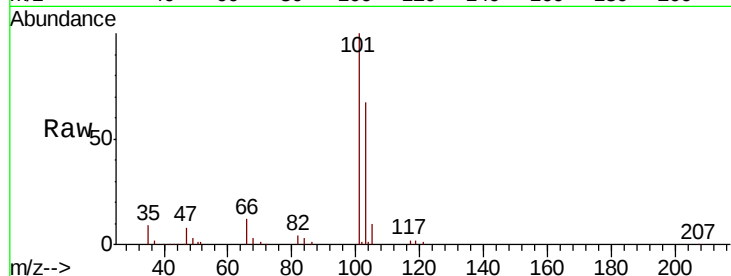


#7

Trichlorofluoromethane
 Concen: 48.072 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

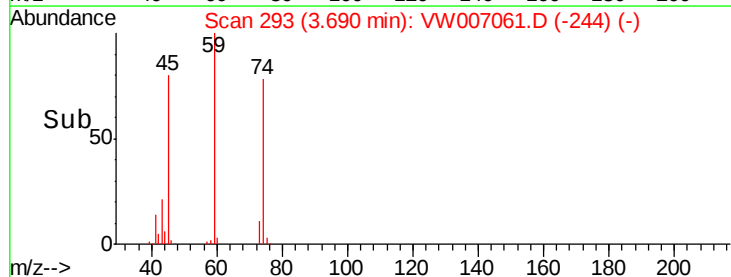
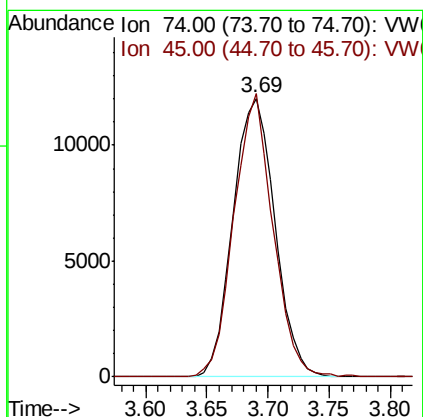
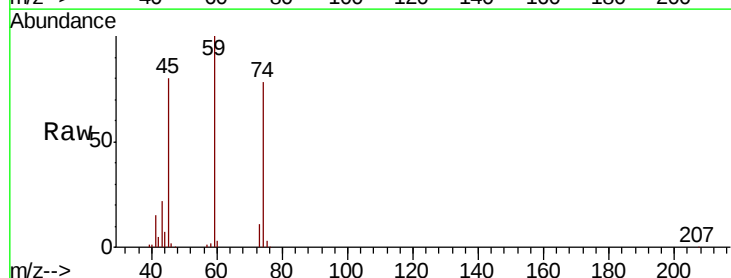
Tot Ion:101 Resp: 81565
 Ion Ratio Lower Upper
 101 100
 103 66.5 53.4 80.2



#8

Diethyl Ether
 Concen: 52.354 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 74 Resp: 28623
 Ion Ratio Lower Upper
 74 100
 45 94.4 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.314 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

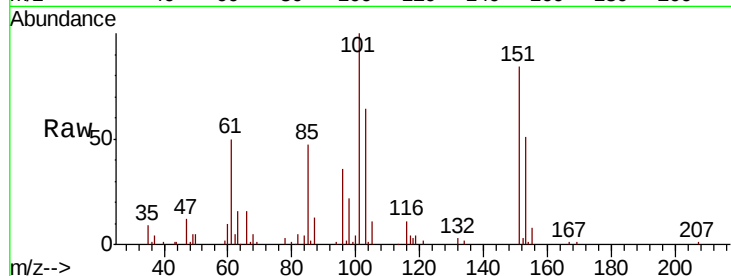
Tot Ion:101 Resp: 49845

Ion Ratio Lower Upper

101 100

85 44.0 34.3 51.5

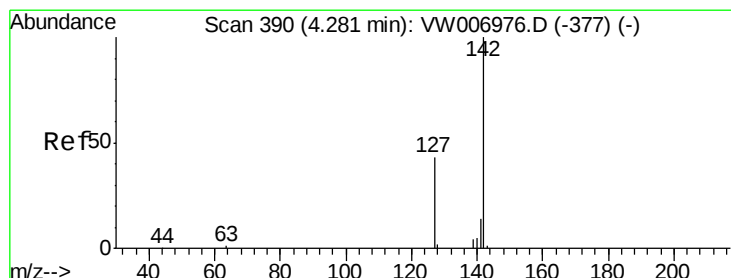
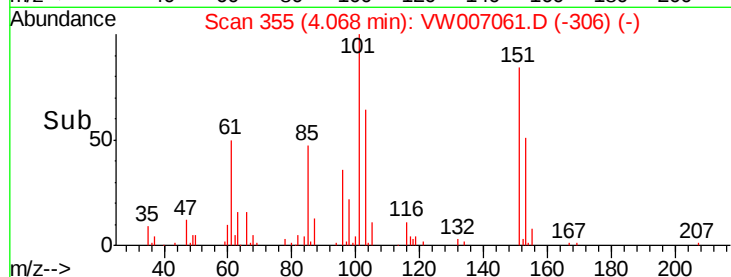
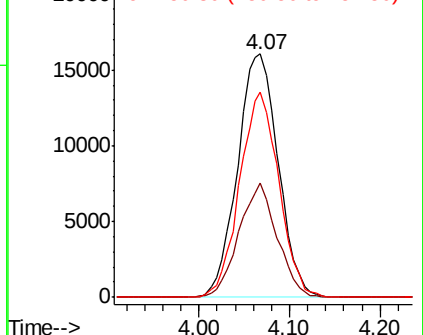
151 81.4 63.4 95.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.361 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

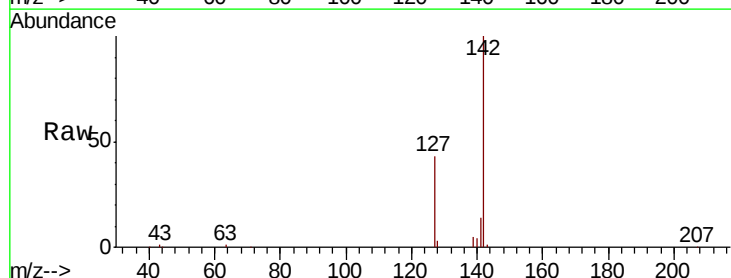
Tgt Ion:142 Resp: 65933

Ion Ratio Lower Upper

142 100

127 43.2 35.3 52.9

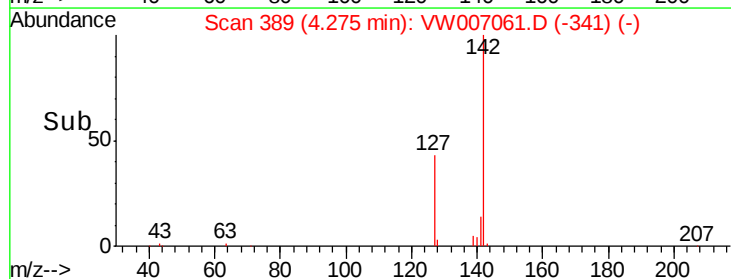
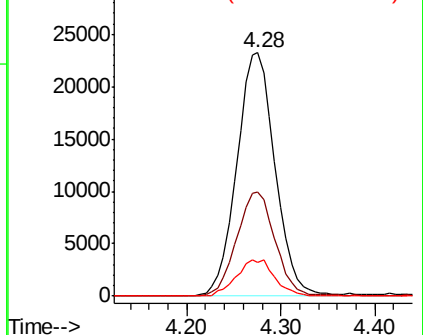
141 15.0 11.7 17.5

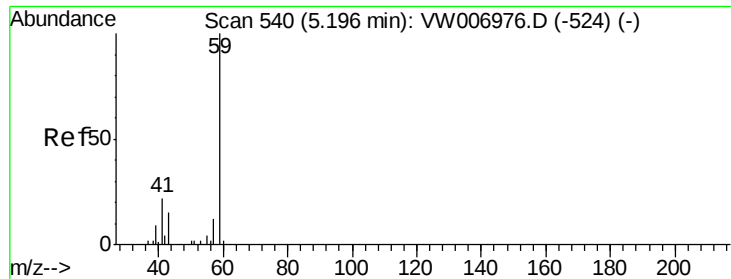


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



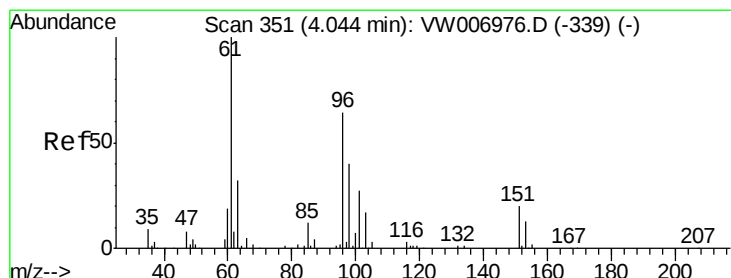
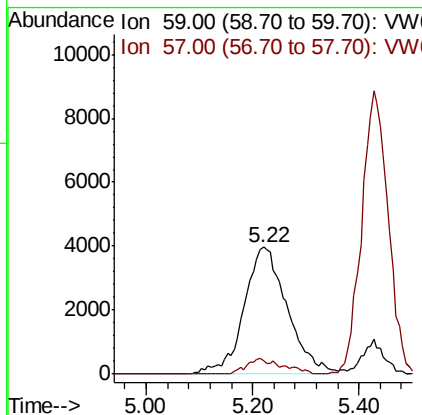
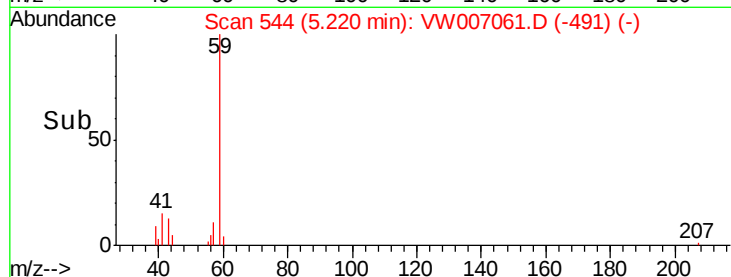
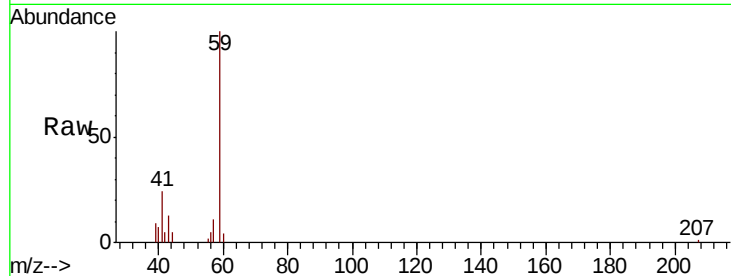


#11

Tert butyl alcohol
Concen: 329.560 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.02 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

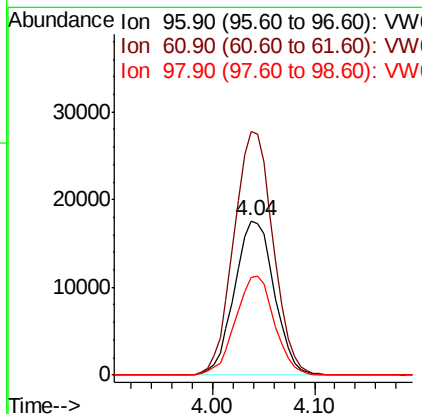
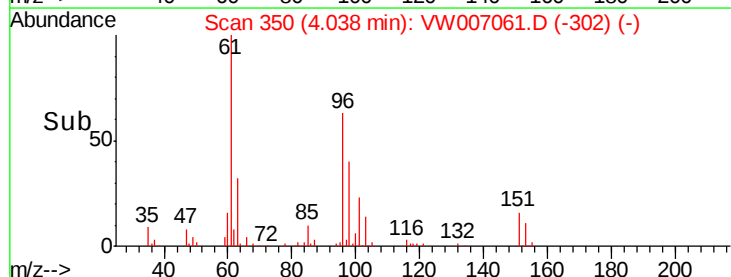
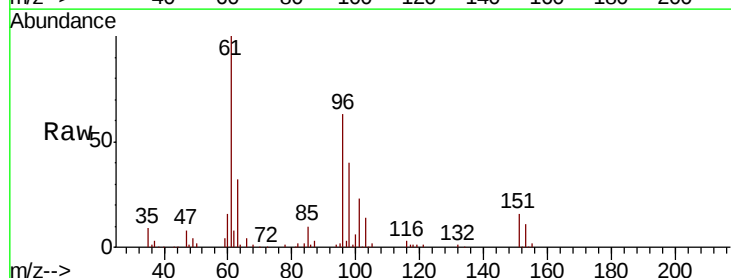
Tot Ion: 59 Resp: 22387
Ion Ratio Lower Upper
59 100
57 10.1 8.6 13.0

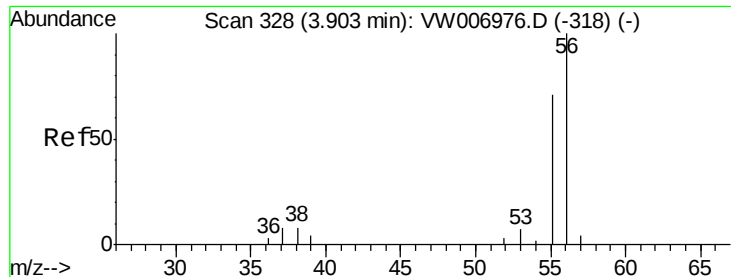


#12

1,1-Dichloroethene
Concen: 49.398 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 96 Resp: 47656
Ion Ratio Lower Upper
96 100
61 158.1 124.3 186.5
98 63.4 49.4 74.2





#13

Acrolein

Concen: 286.604 ug/l

RT: 3.90 min Scan# 328

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

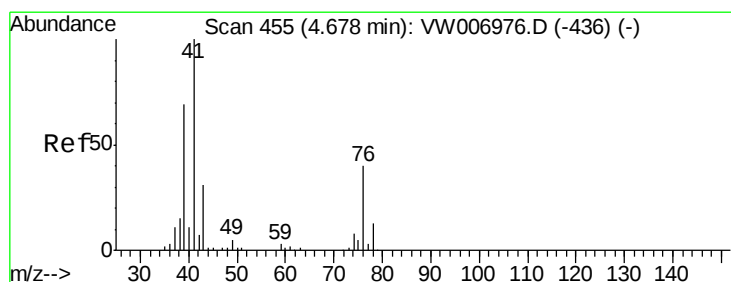
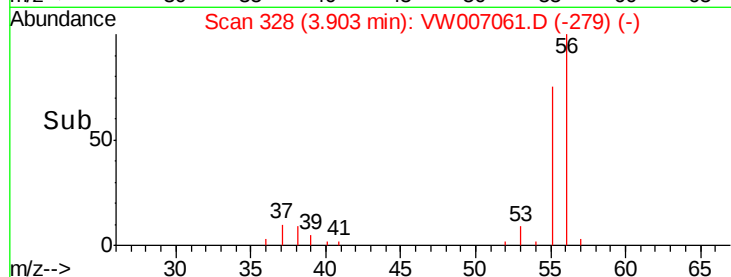
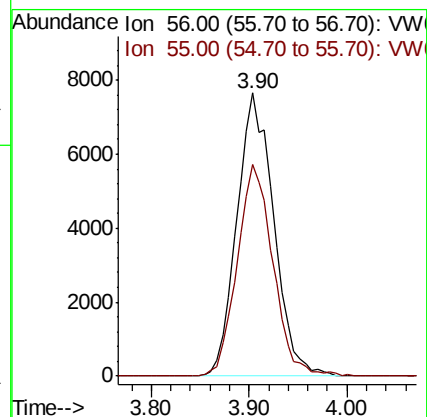
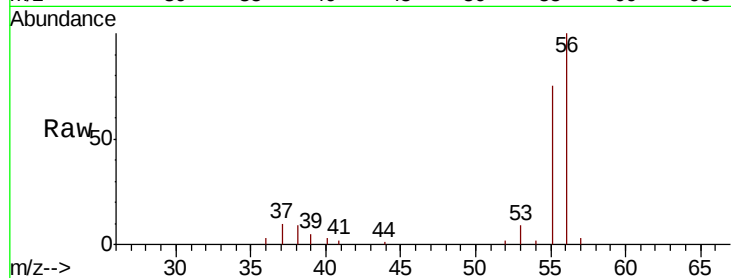
VSTDCCC050EC

Tot Ion: 56 Resp: 19994

Ion Ratio Lower Upper

56 100

55 72.8 57.5 86.3



#14

Allyl chloride

Concen: 50.289 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

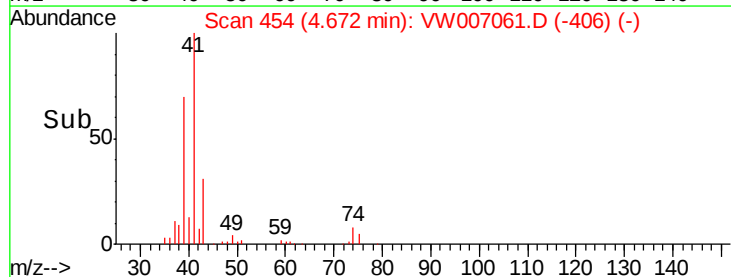
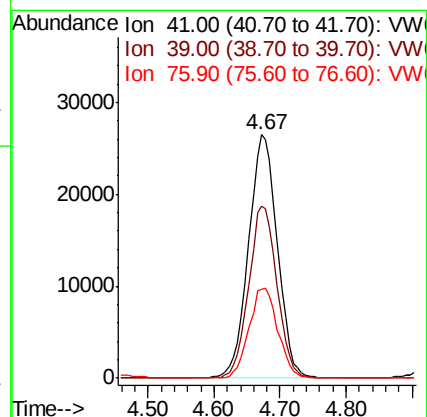
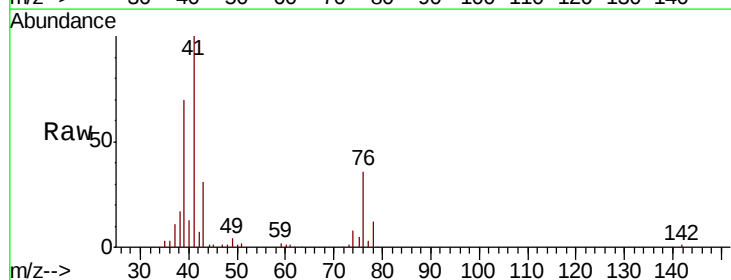
Tgt Ion: 41 Resp: 80471

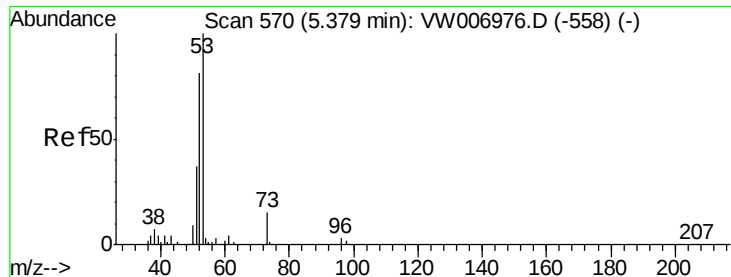
Ion Ratio Lower Upper

41 100

39 69.2 55.4 83.2

76 36.9 29.6 44.4





#15

Acrylonitrile

Concen: 291.108 ug/l

RT: 5.38 min Scan# 570

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

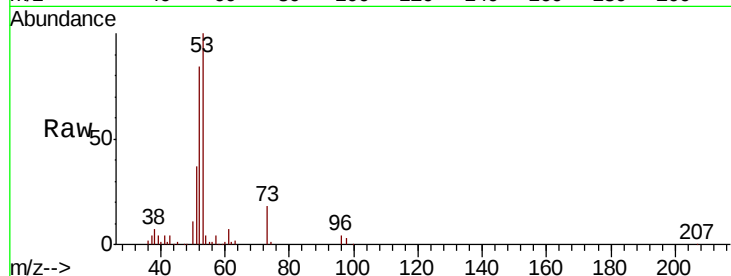
Tot Ion: 53 Resp: 59818

Ion Ratio Lower Upper

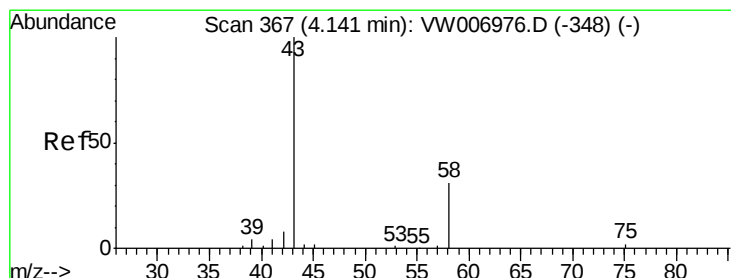
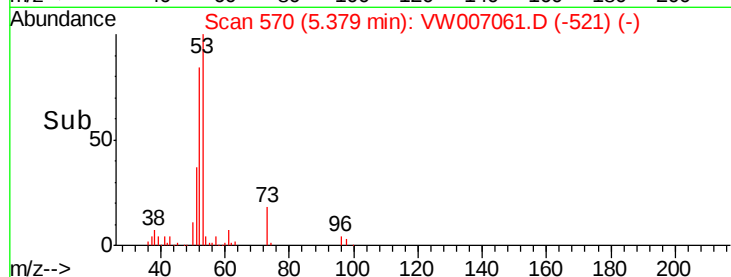
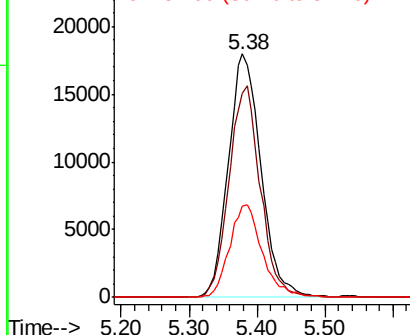
53 100

52 83.0 65.7 98.5

51 37.9 29.9 44.9



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: 301.420 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW007061.D

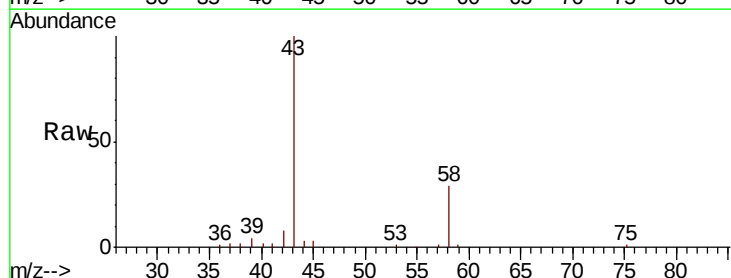
Acq: 26 Nov 2018 21:30

Tgt Ion: 43 Resp: 45666

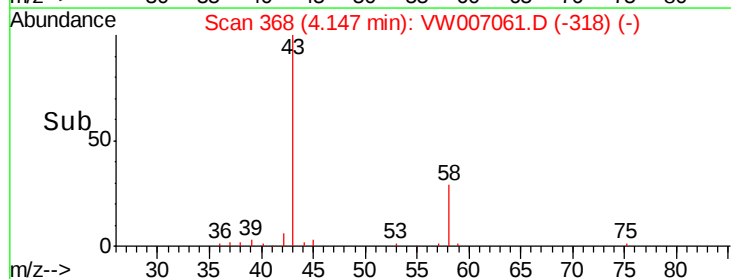
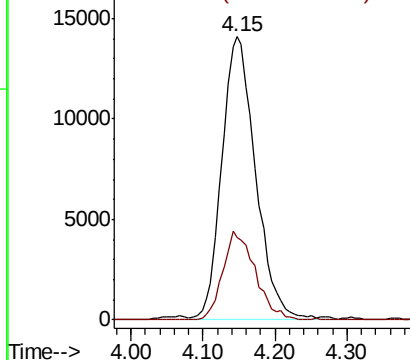
Ion Ratio Lower Upper

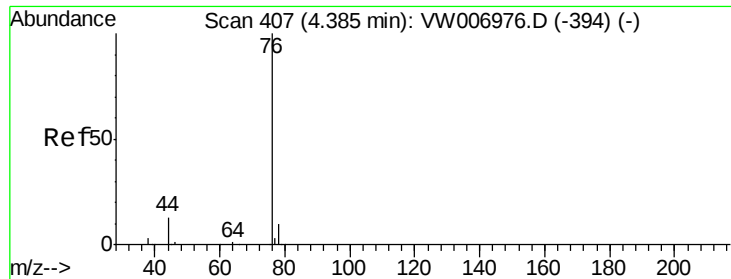
43 100

58 29.4 24.8 37.2



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





#17

Carbon Disulfide

Concen: 51.351 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

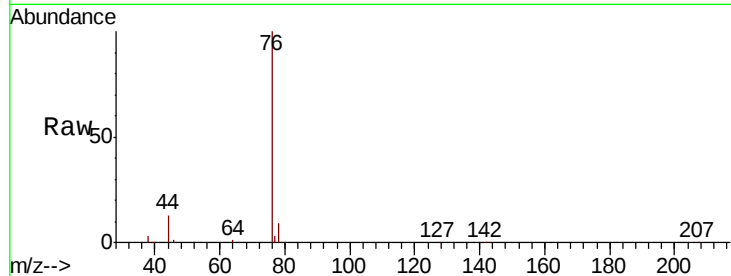
VSTDCCC050EC

Tot Ion: 76 Resp: 160166

Ion Ratio Lower Upper

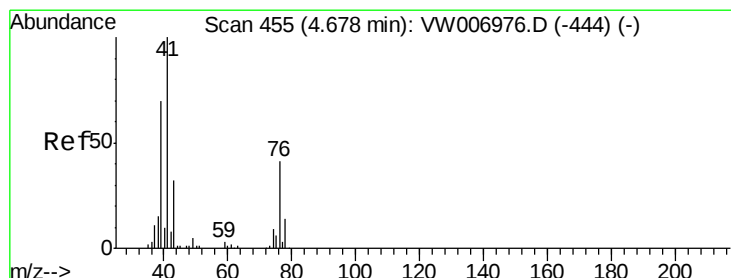
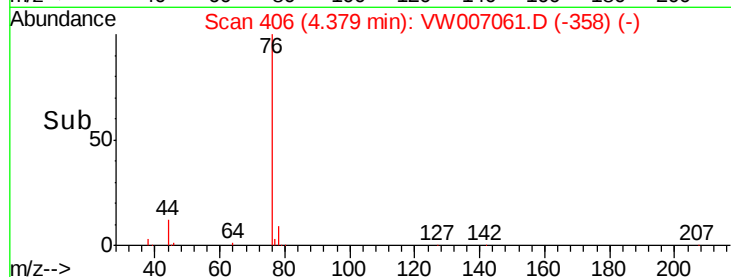
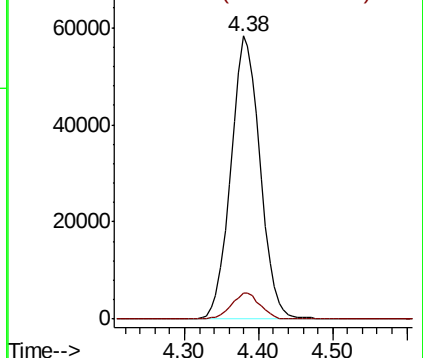
76 100

78 9.1 7.8 11.6



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 55.154 ug/l

RT: 4.68 min Scan# 455

Delta R.T. -0.00 min

Lab File: VW007061.D

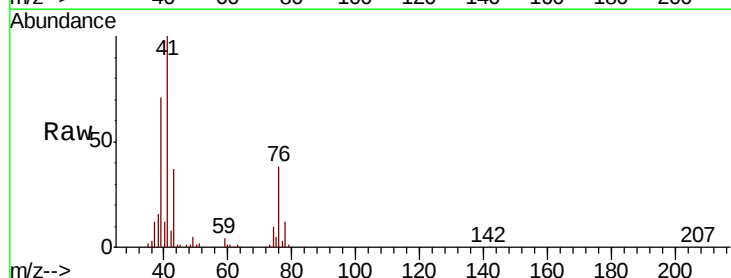
Acq: 26 Nov 2018 21:30

Tgt Ion: 43 Resp: 29757

Ion Ratio Lower Upper

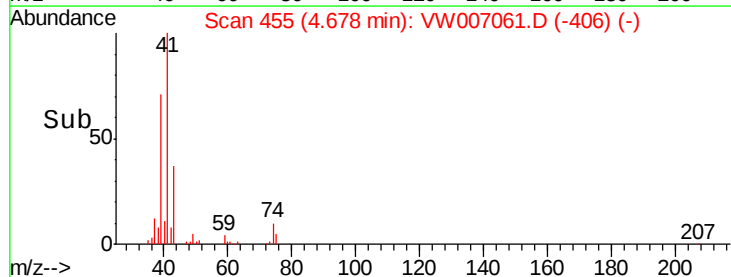
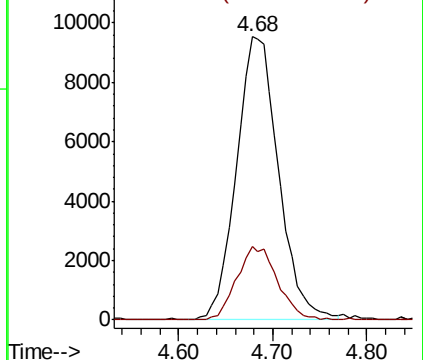
43 100

74 25.2 20.1 30.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

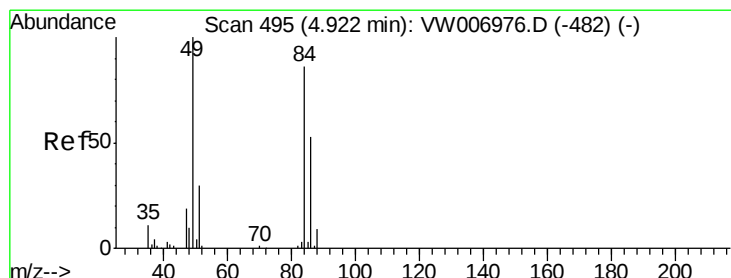
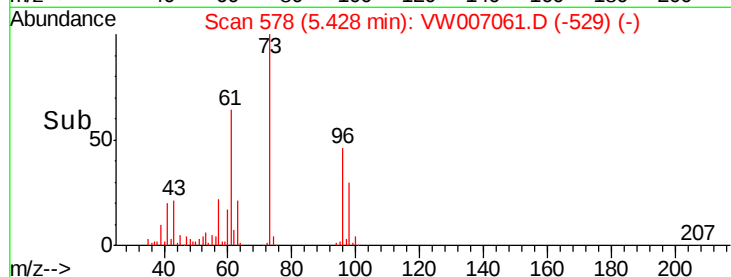
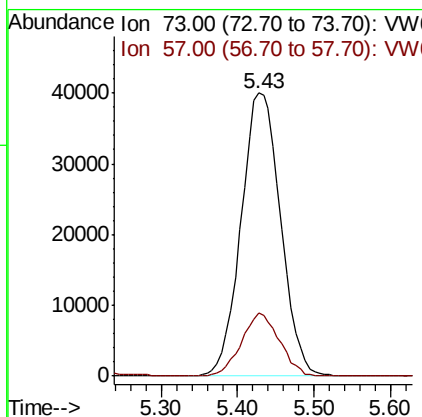
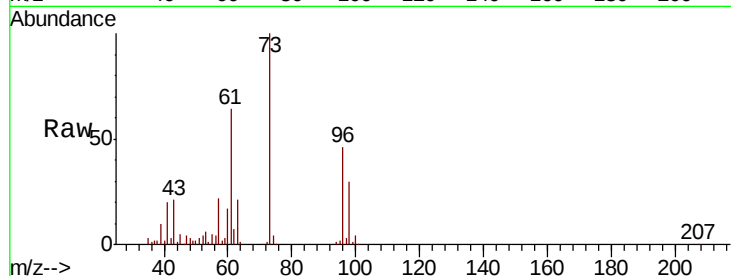




#19
Methvl tert-butvl Ether
Concen: 57.026 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

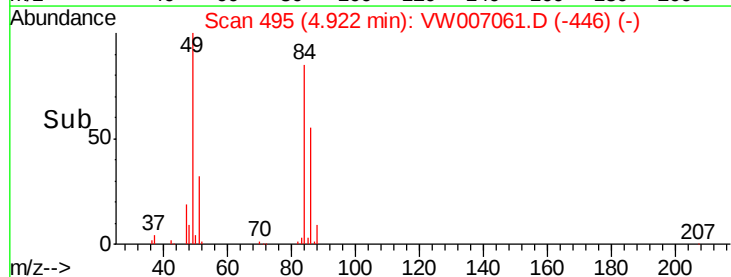
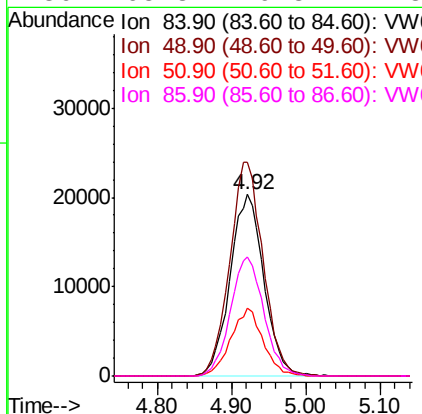
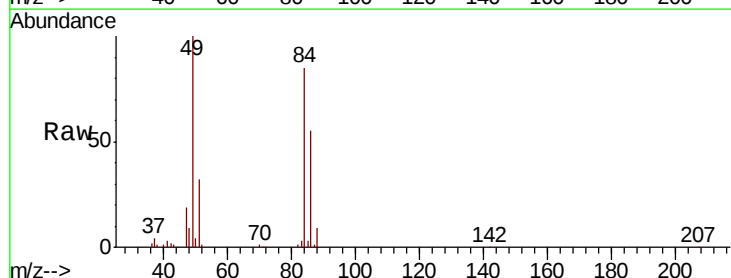
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

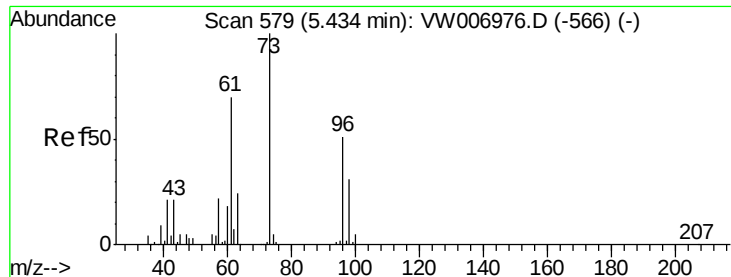
Tot Ion: 73 Resp: 143651
Ion Ratio Lower Upper
73 100
57 22.1 16.7 25.1



#20
Methylene Chloride
Concen: 53.950 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 84 Resp: 64622
Ion Ratio Lower Upper
84 100
49 117.8 93.4 140.0
51 37.7 28.4 42.6
86 65.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 49.092 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

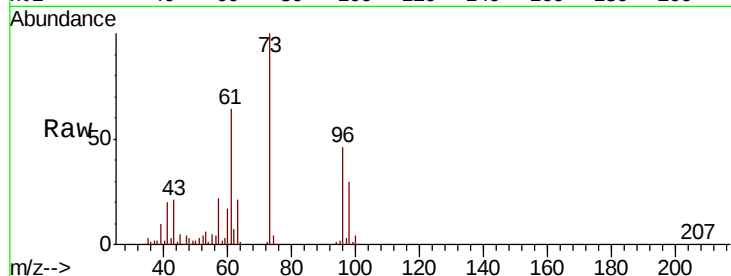
Tot Ion: 96 Resp: 55171

Ion Ratio Lower Upper

96 100

61 139.3 109.4 164.0

98 64.8 48.3 72.5

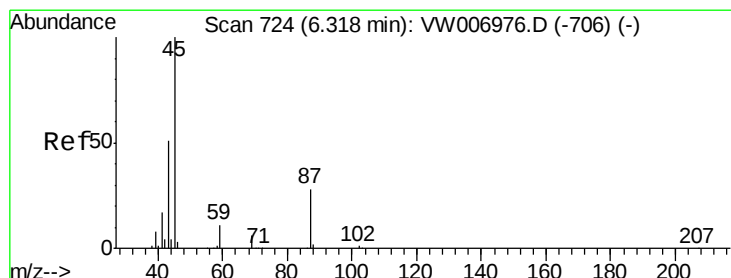
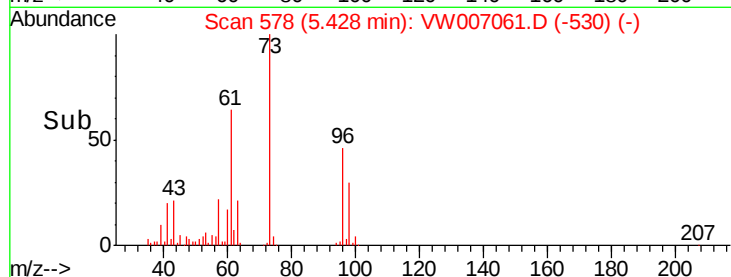
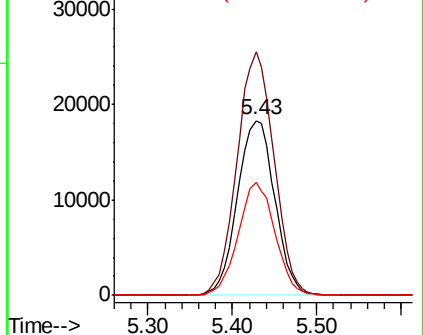


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 51.994 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Tgt Ion: 45 Resp: 161936

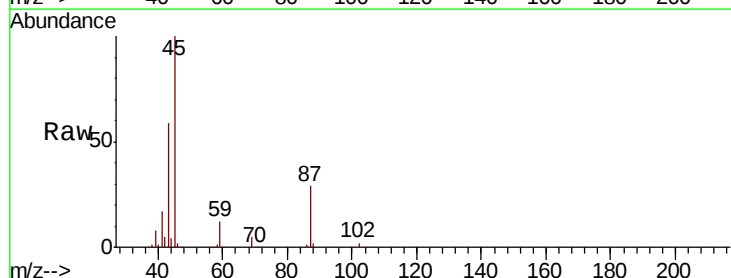
Ion Ratio Lower Upper

45 100

43 58.5 42.5 63.7

87 28.8 22.8 34.2

59 11.2 9.1 13.7



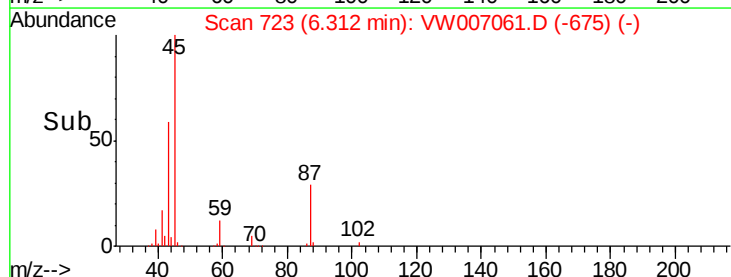
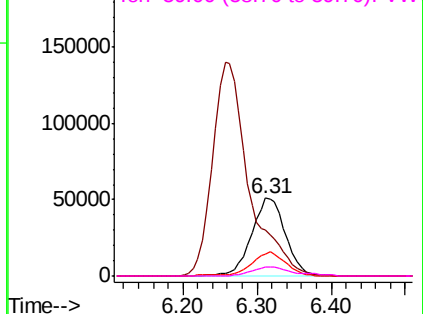
Abundance

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: 287.542 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

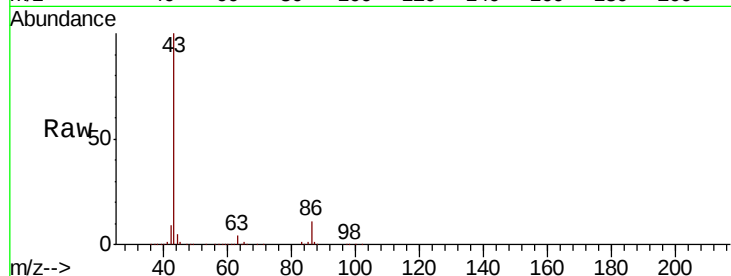
VSTDCCC050EC

Tot Ion: 43 Resp: 475574

Ion Ratio Lower Upper

43 100

86 10.8 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

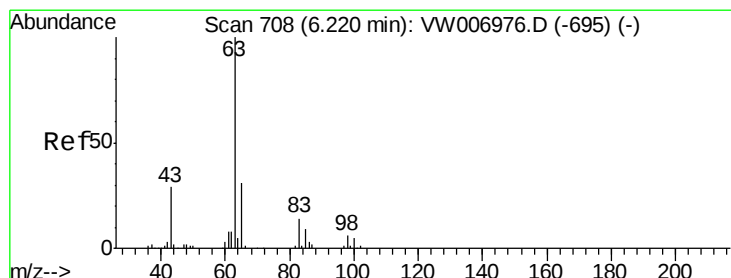
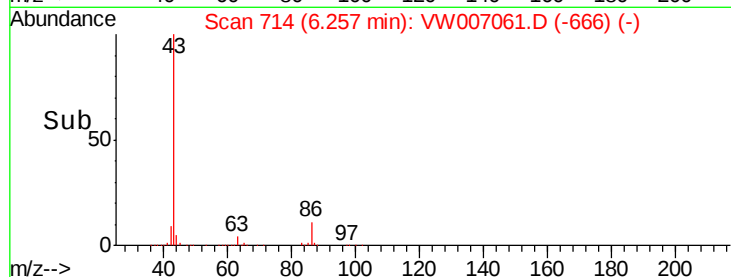
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.104 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

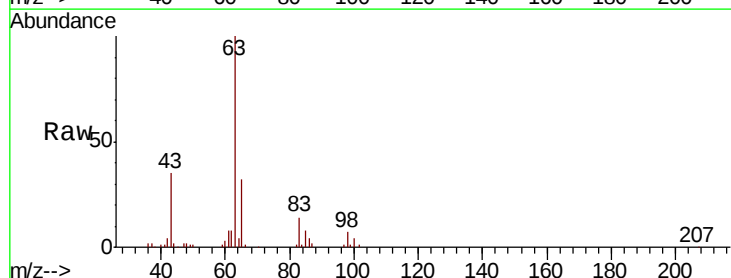
Tgt Ion: 63 Resp: 94932

Ion Ratio Lower Upper

63 100

98 7.1 3.1 9.4

100 4.3 2.3 6.9



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

40000

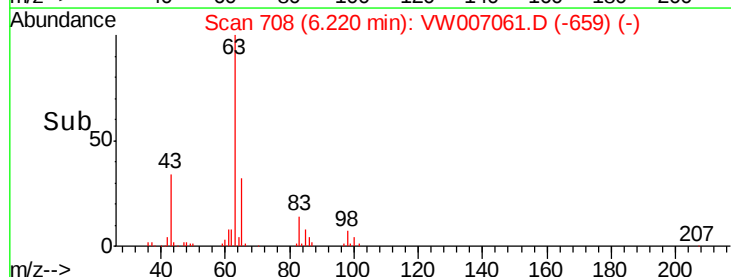
30000

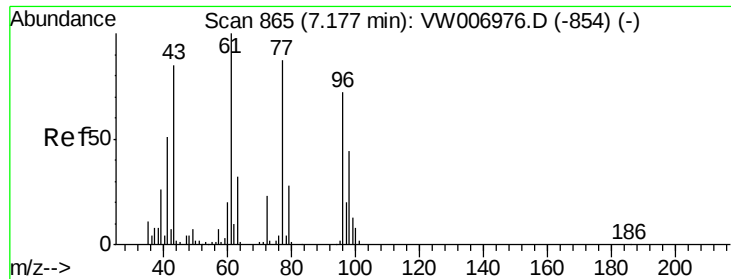
20000

10000

0

Time-->





#25

2-Butanone

Concen: 290.397 ug/l

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

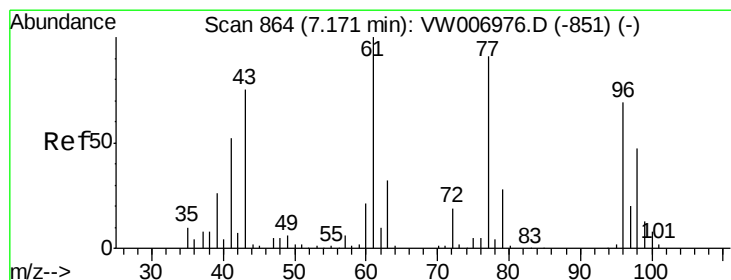
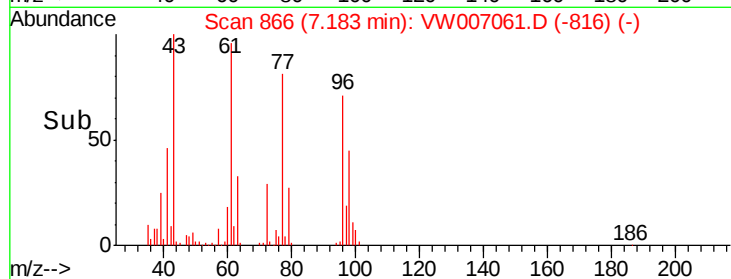
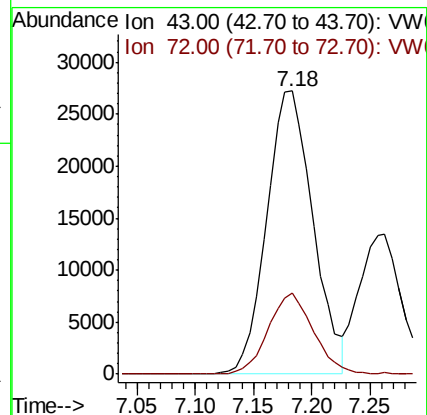
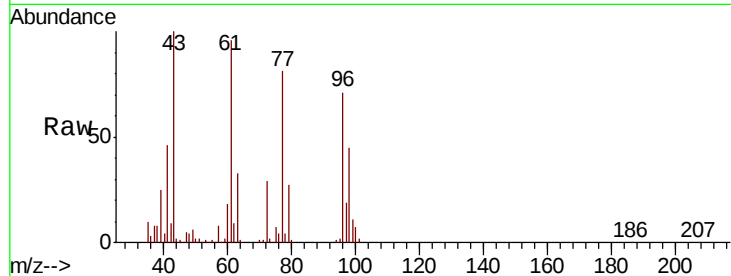
VSTDCCC050EC

Tot Ion: 43 Resp: 75353

Ion Ratio Lower Upper

43 100

72 28.9 21.3 31.9



#26

2,2-Dichloropropane

Concen: 48.365 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW007061.D

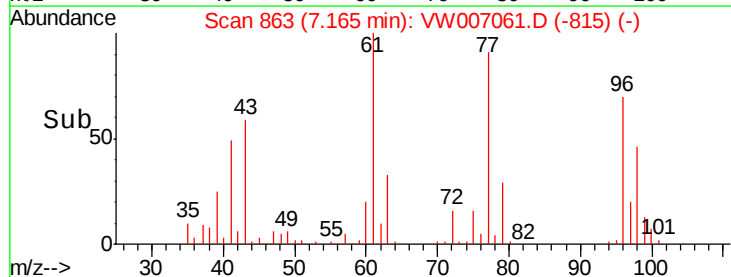
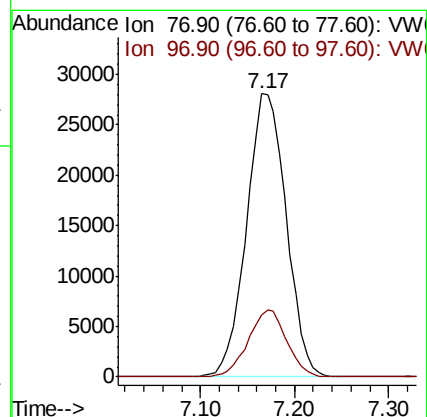
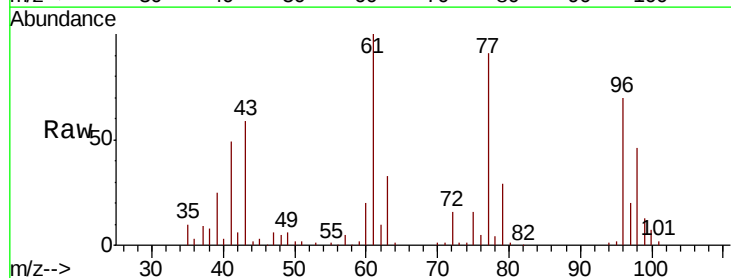
Acq: 26 Nov 2018 21:30

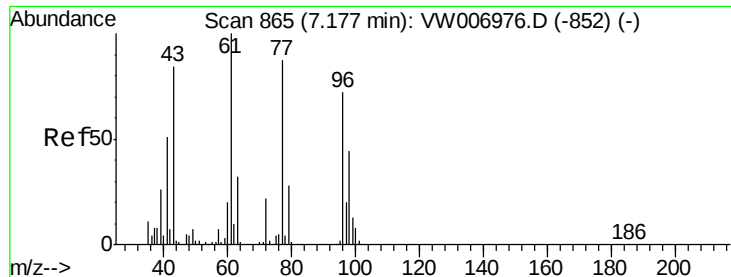
Tgt Ion: 77 Resp: 82405

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.1



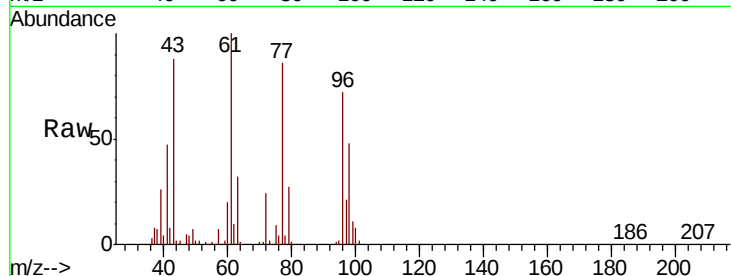


#27

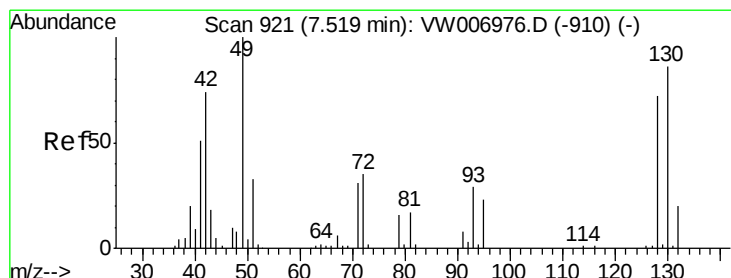
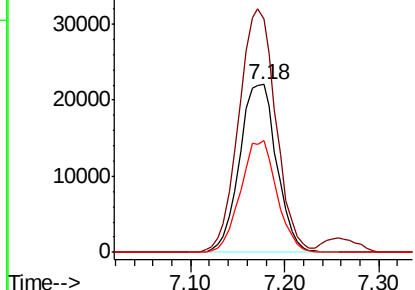
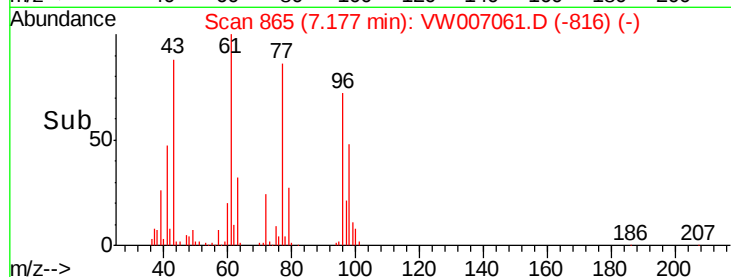
cis-1,2-Dichloroethene
 Concen: 50.913 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 60932
 Ion Ratio Lower Upper
 96 100
 61 144.7 0.0 292.6
 98 64.9 0.0 129.8



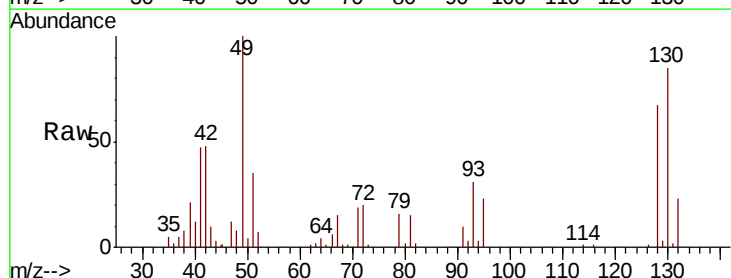
Abundance Ion 95.90 (95.60 to 96.60): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 97.90 (97.60 to 98.60): VW



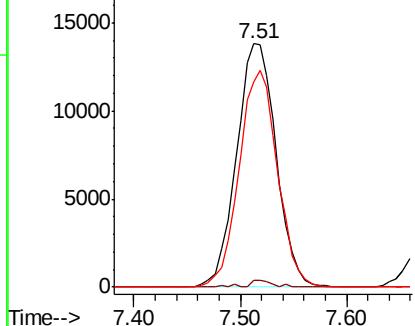
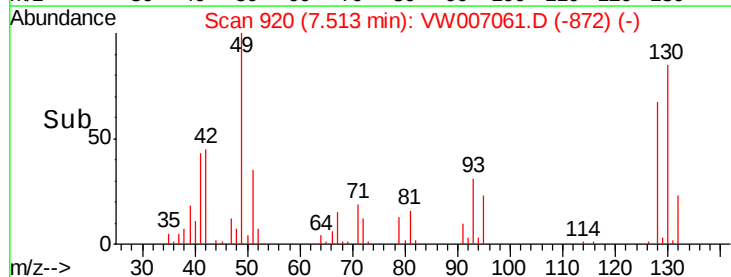
#28

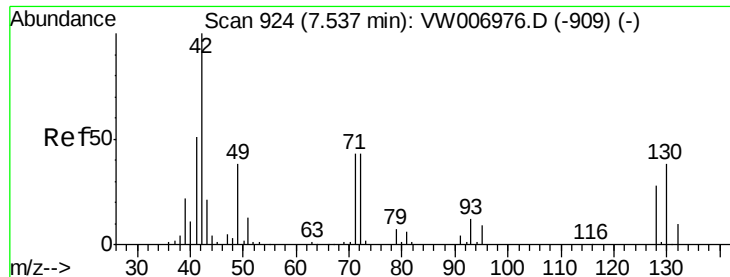
Bromochloromethane
 Concen: 50.833 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.01 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 49 Resp: 35997
 Ion Ratio Lower Upper
 49 100
 129 1.6 0.0 2.0
 130 86.2 69.0 103.4



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

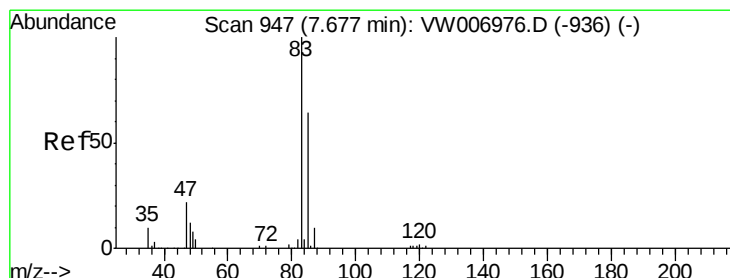
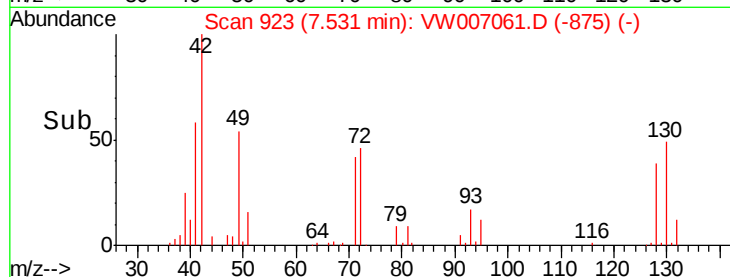
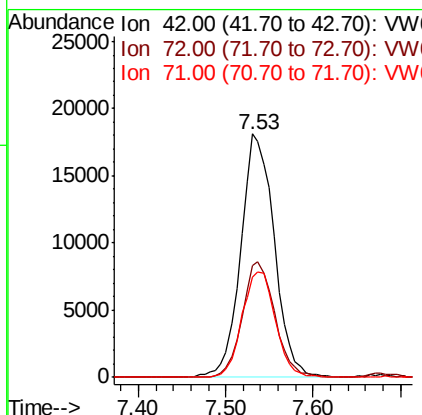
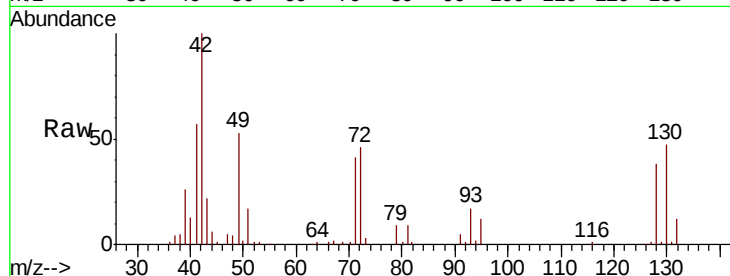




#29
Tetrahydrofuran
Concen: 287.491 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.01 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

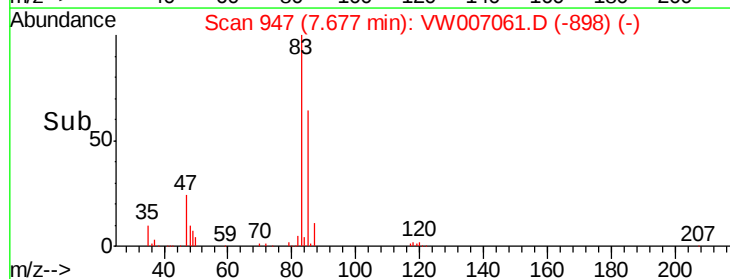
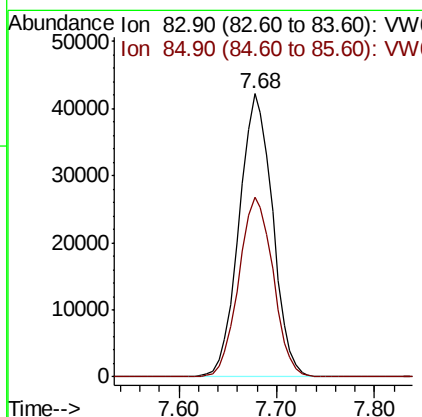
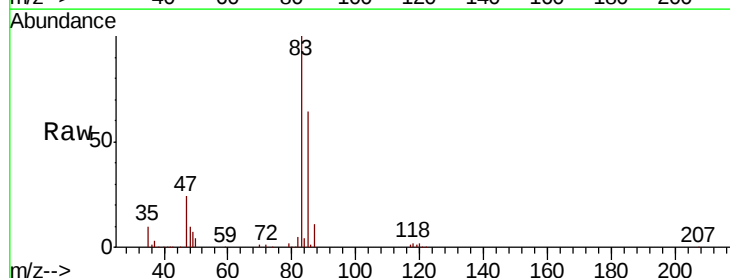
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

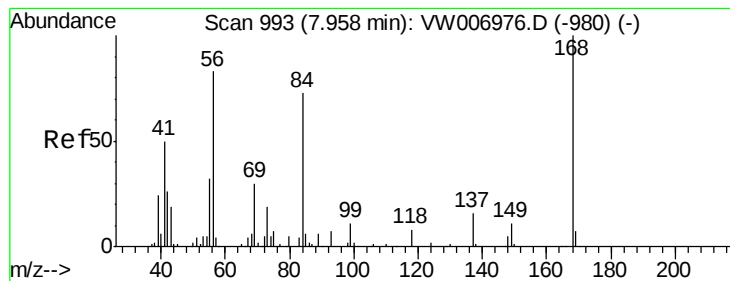
Tot Ion: 42 Resp: 48314
Ion Ratio Lower Upper
42 100
72 45.9 36.2 54.4
71 42.9 33.8 50.8



#30
Chloroform
Concen: 49.789 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 83 Resp: 100221
Ion Ratio Lower Upper
83 100
85 63.5 50.9 76.3





#31

Cyclohexane

Concen: 44.650 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

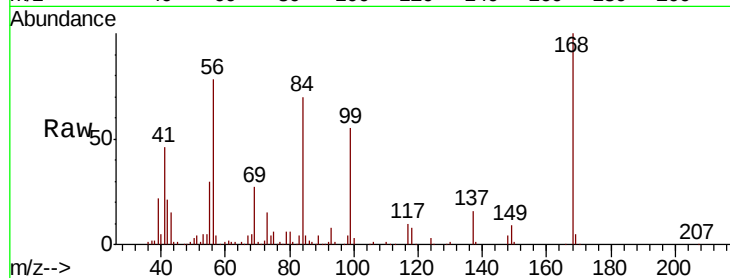
Tot Ion: 56 Resp: 89733

Ion Ratio Lower Upper

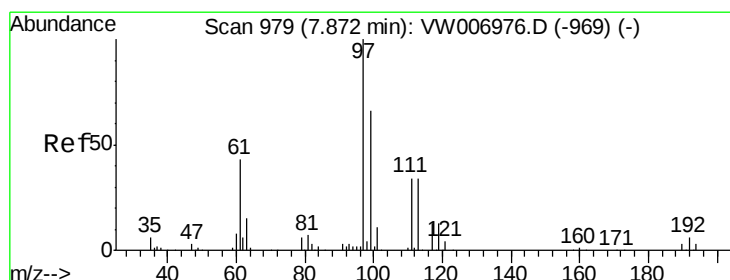
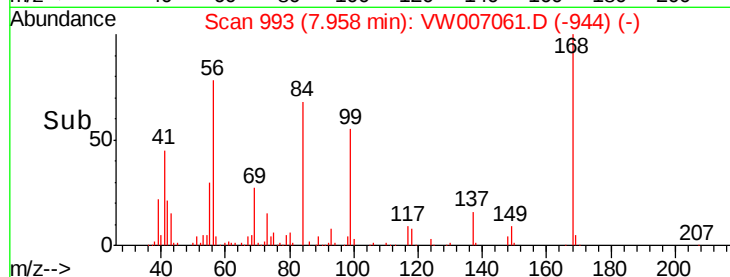
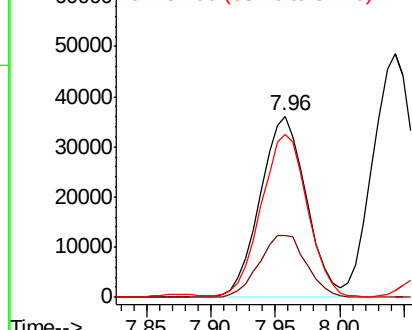
56 100

69 34.1 29.1 43.7

84 88.6 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 50.092 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

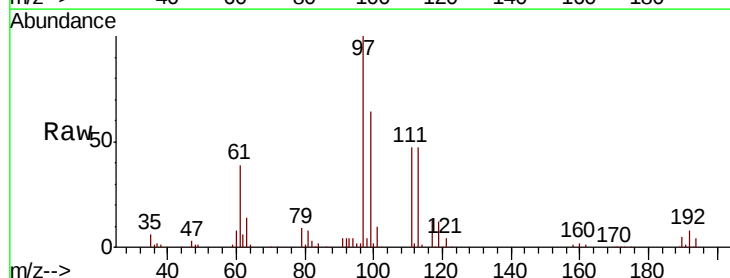
Tgt Ion: 97 Resp: 90821

Ion Ratio Lower Upper

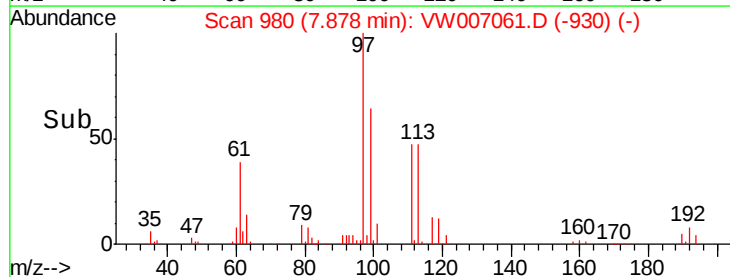
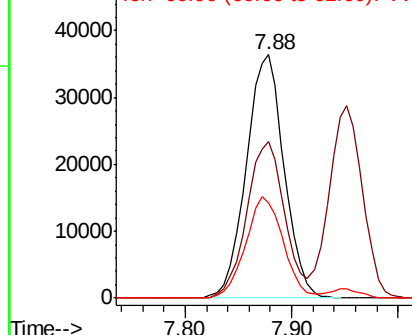
97 100

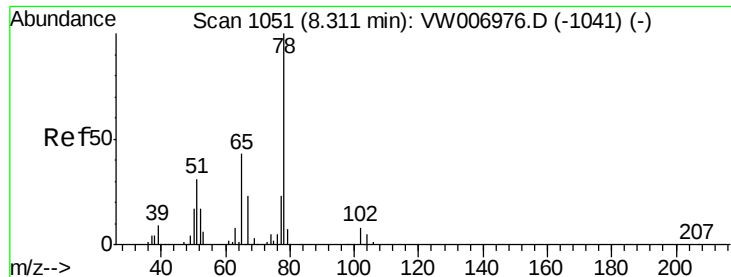
99 64.6 51.9 77.9

61 41.7 33.4 50.2



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

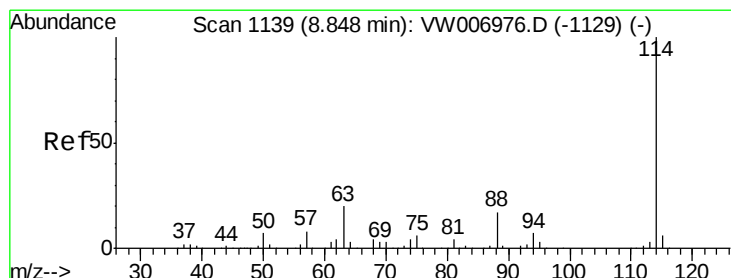
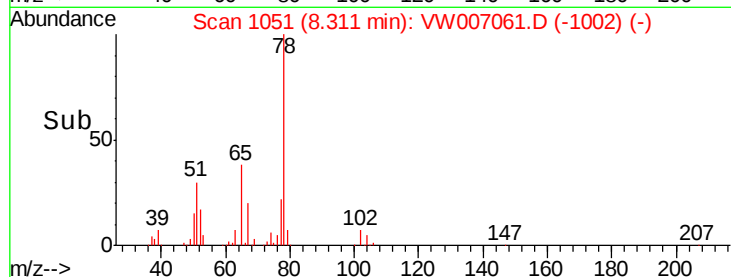
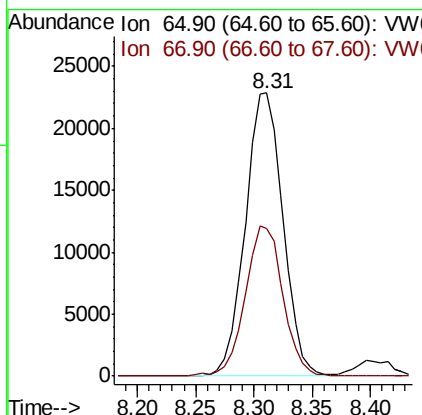
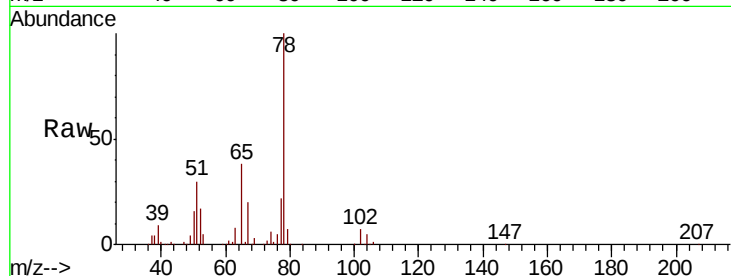




#33
 1,2-Dichloroethane-d4
 Concen: 49.145 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

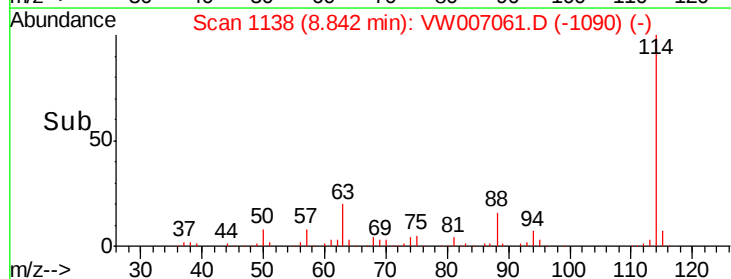
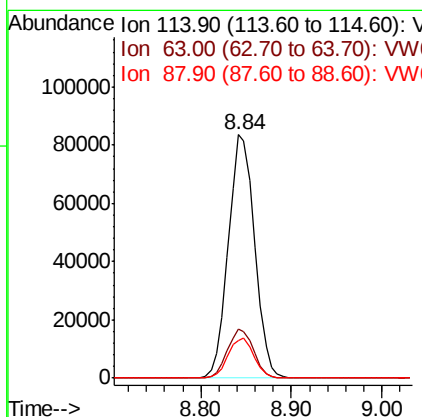
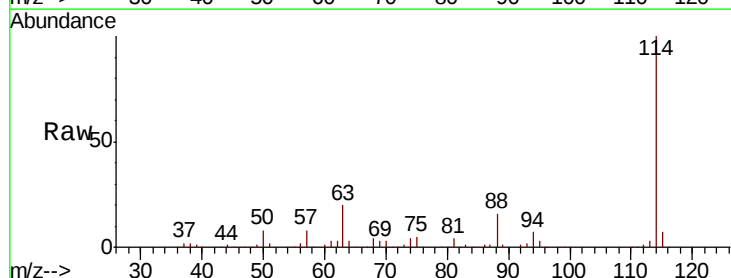
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

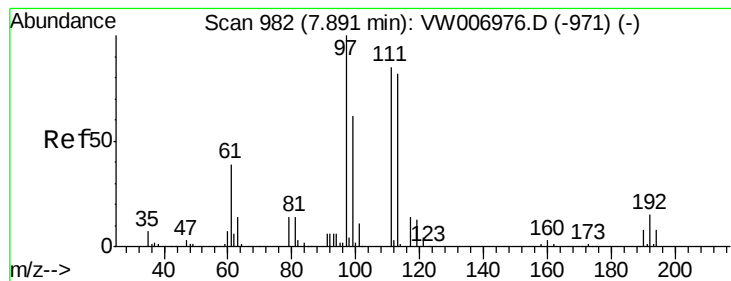
Tot Ion: 65 Resp: 51282
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 114 Resp: 168246
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.4
 88 15.5 0.0 34.2





#35

Dibromofluoromethane

Concen: 48.978 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

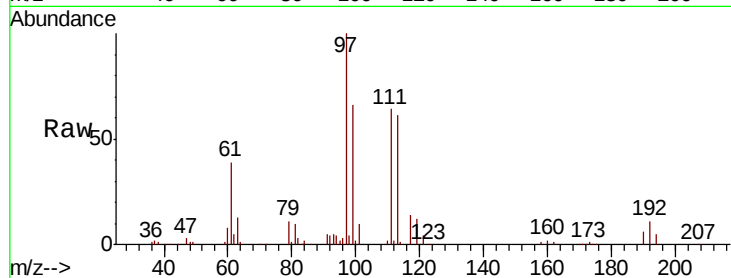
Tot Ion:113 Resp: 46535

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.6

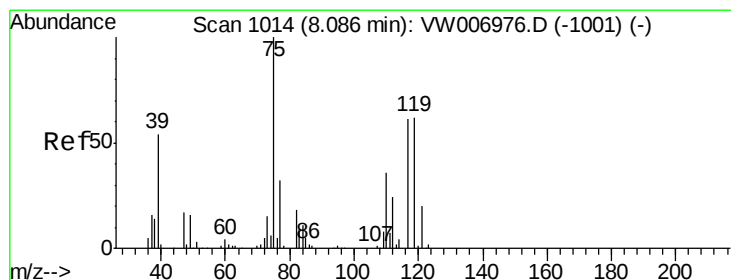
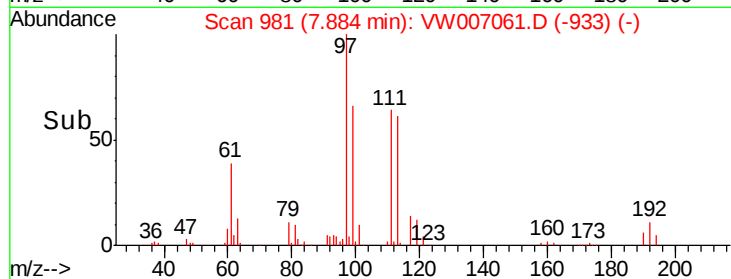
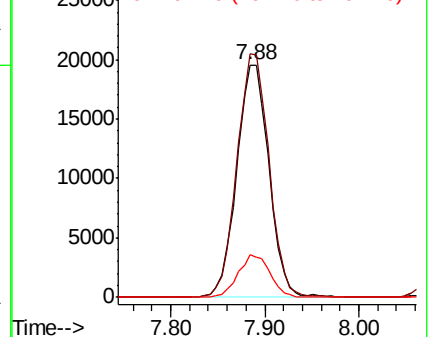
192 18.2 15.0 22.6



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: 49.021 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

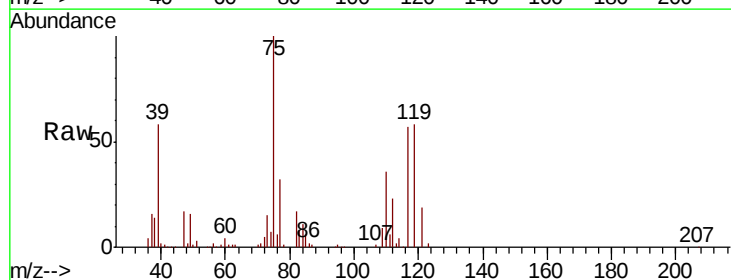
Tgt Ion: 75 Resp: 80596

Ion Ratio Lower Upper

75 100

110 36.5 18.0 54.0

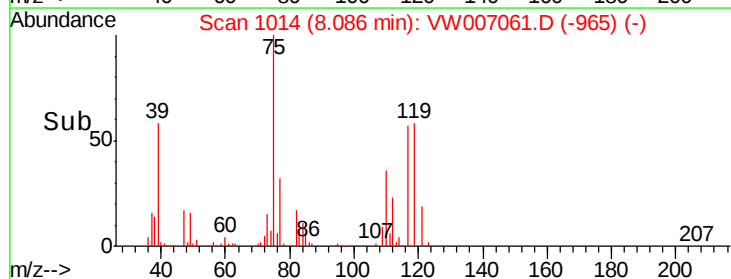
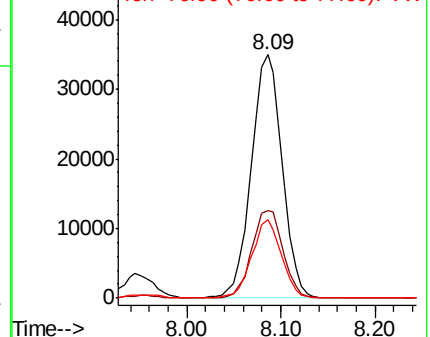
77 31.0 24.9 37.3

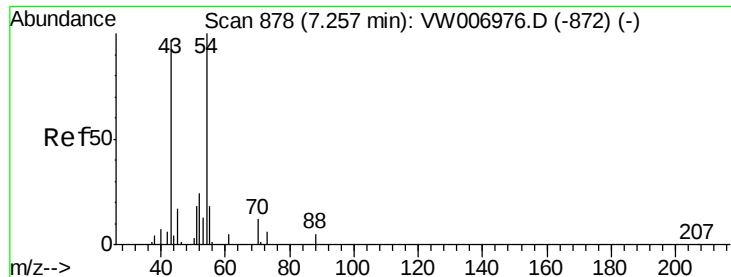


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

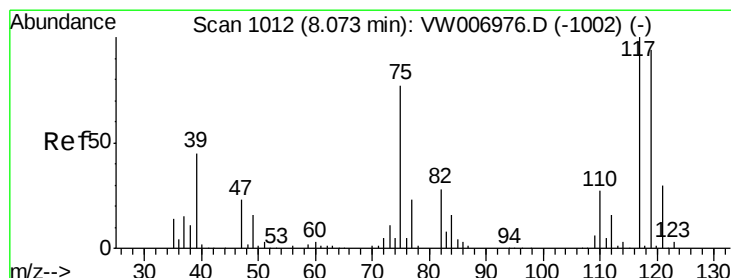
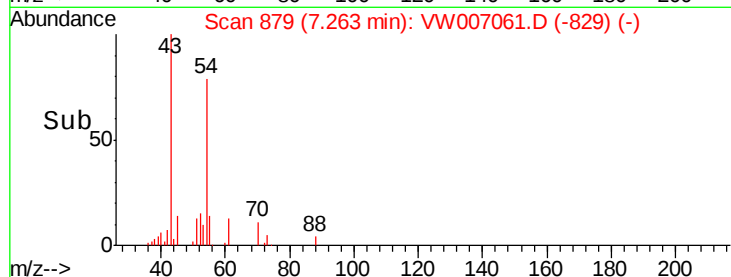
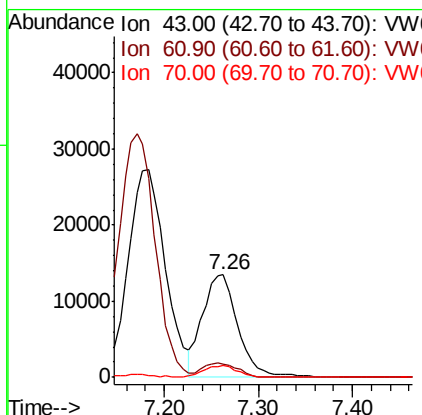
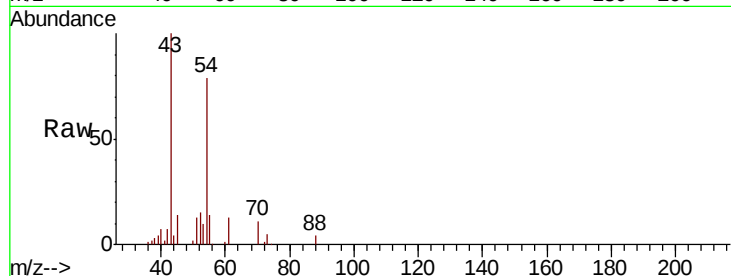




#37
Ethyl Acetate
Concen: 59.060 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

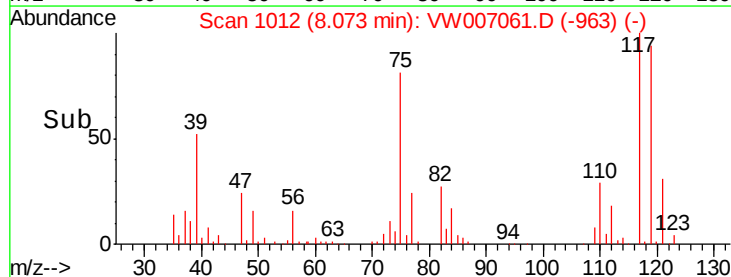
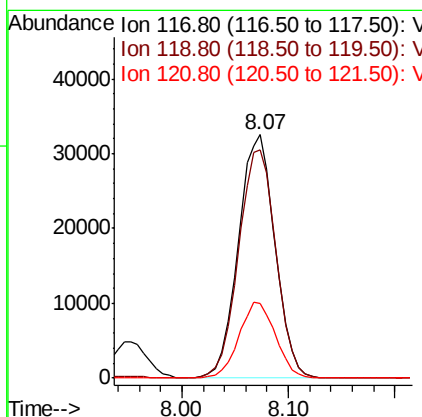
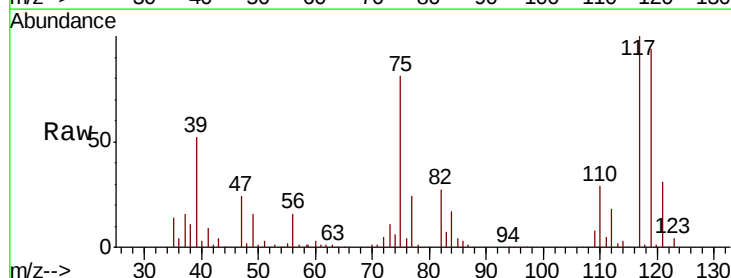
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

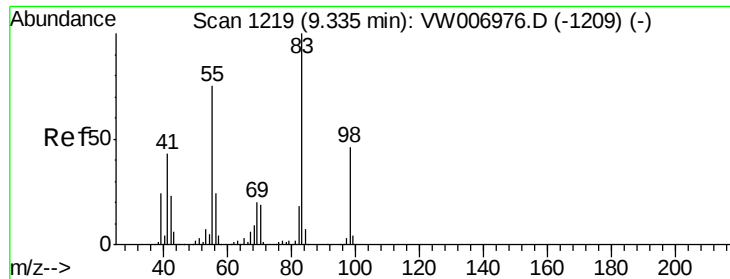
Tot Ion: 43 Resp: 35187
Ion Ratio Lower Upper
43 100
61 13.6 10.4 15.6
70 11.3 8.8 13.2



#38
Carbon Tetrachloride
Concen: 49.866 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 117 Resp: 78508
Ion Ratio Lower Upper
117 100
119 93.8 74.9 112.3
121 30.8 23.6 35.4

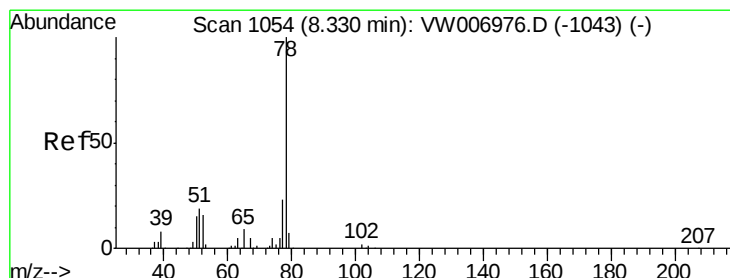
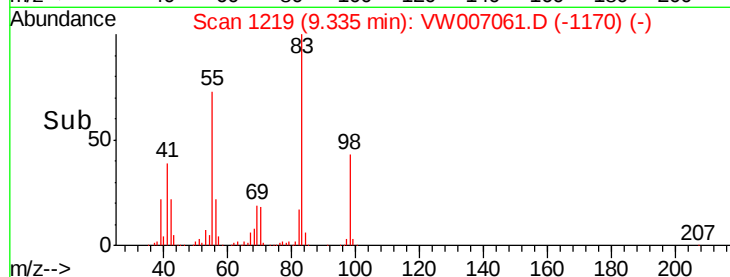
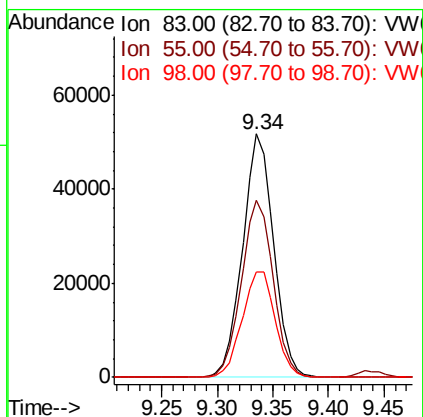
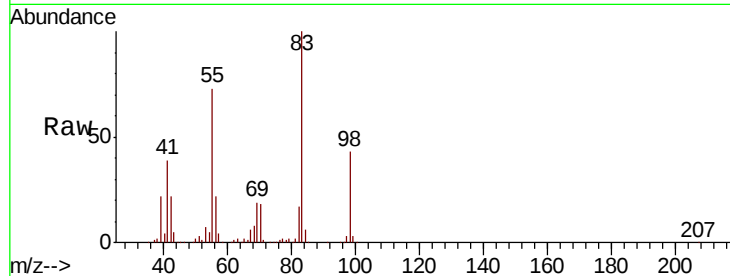




#39
Methvlcvclohexane
Concen: 48.803 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

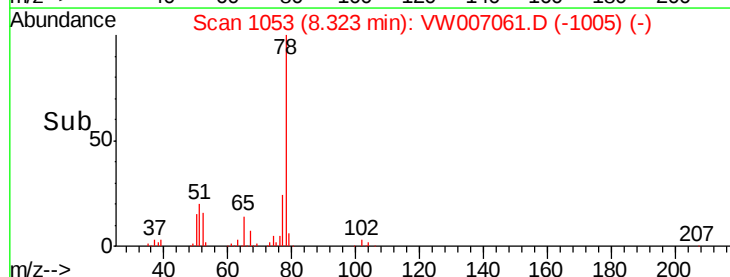
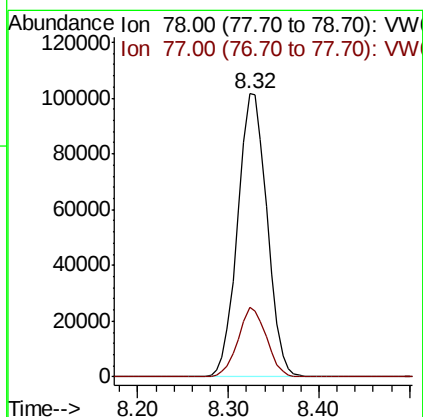
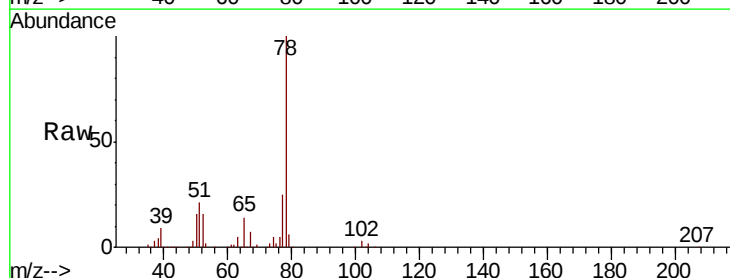
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

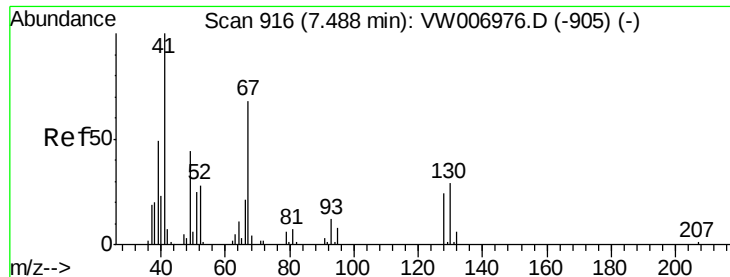
Tot Ion: 83 Resp: 100410
Ion Ratio Lower Upper
83 100
55 72.9 59.6 89.4
98 43.1 37.1 55.7



#40
Benzene
Concen: 51.451 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 78 Resp: 228339
Ion Ratio Lower Upper
78 100
77 24.6 18.6 28.0

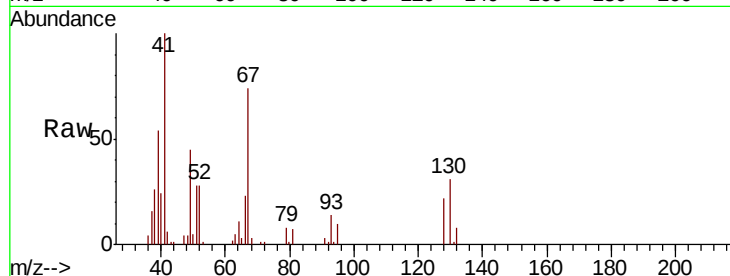




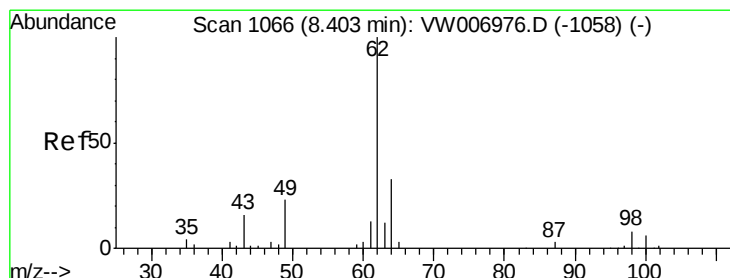
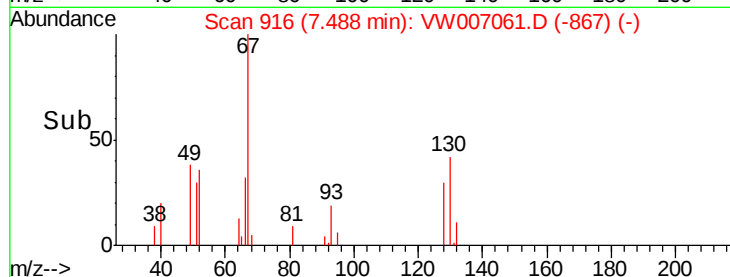
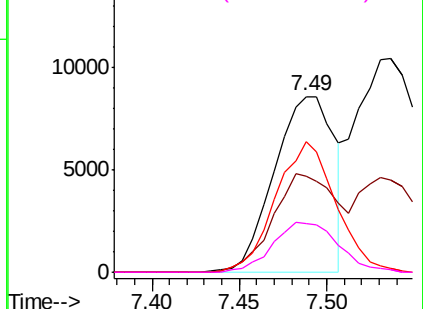
#41
Methacrylonitrile
Concen: 55.671 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	20598
Ion	Ratio	Lower	Upper
41	100		
39	60.8	48.6	73.0
67	74.4	59.8	89.8
52	30.9	24.8	37.2

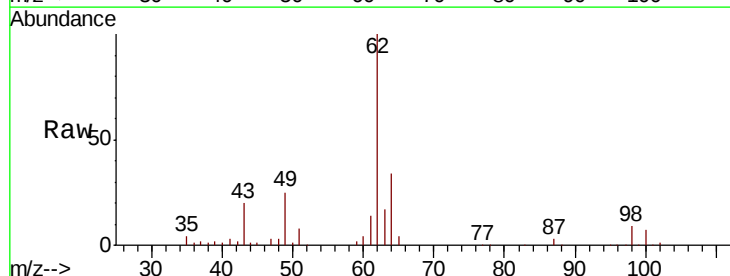


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

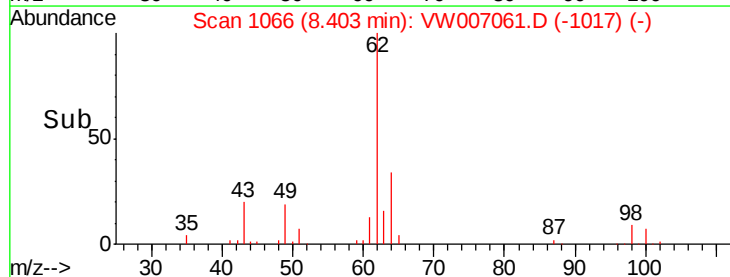
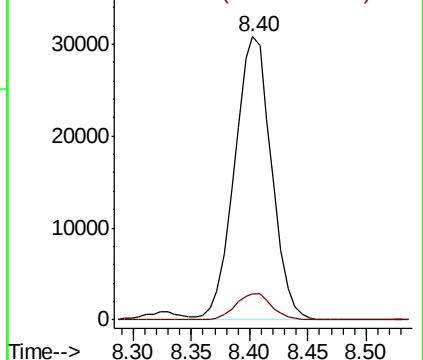


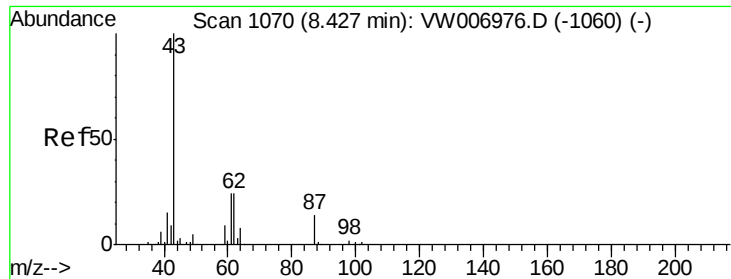
#42
1,2-Dichloroethane
Concen: 52.781 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion:	62	Resp:	68008
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.6



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





#43

Isopropyl Acetate

Concen: 61.577 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

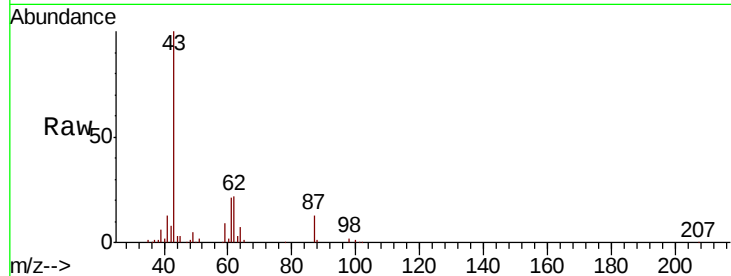
Tot Ion: 43 Resp: 69912

Ion Ratio Lower Upper

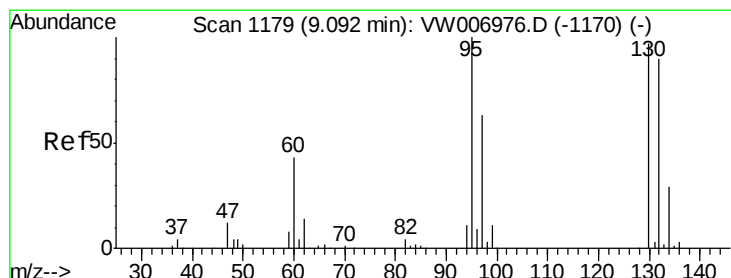
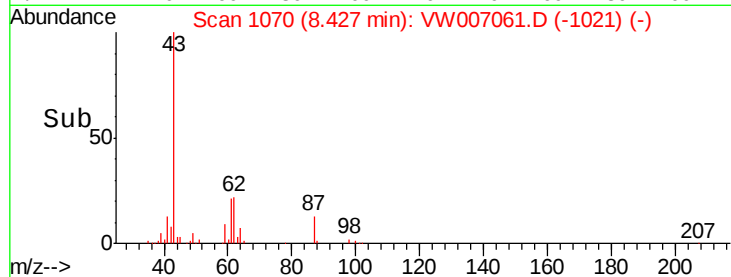
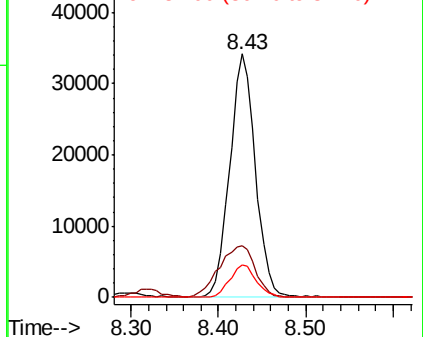
43 100

61 29.9 26.1 39.1

87 13.8 11.2 16.8



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: 51.515 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW007061.D

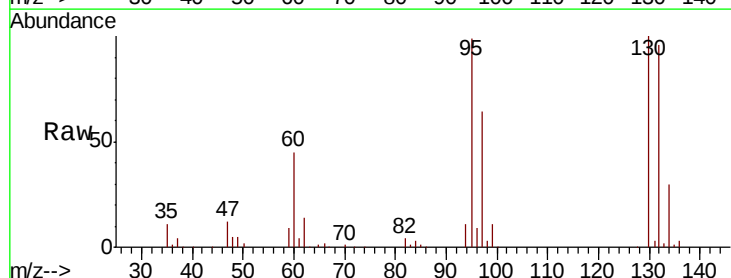
Acq: 26 Nov 2018 21:30

Tgt Ion: 130 Resp: 64089

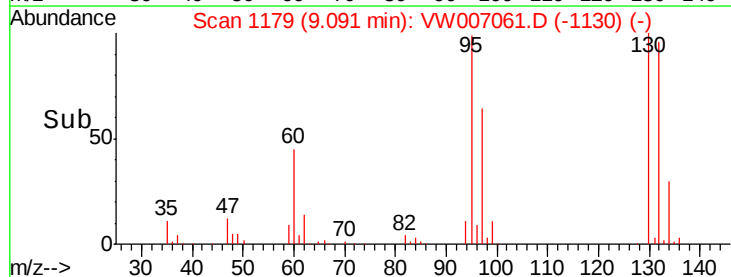
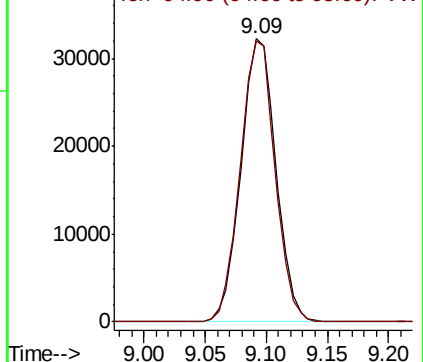
Ion Ratio Lower Upper

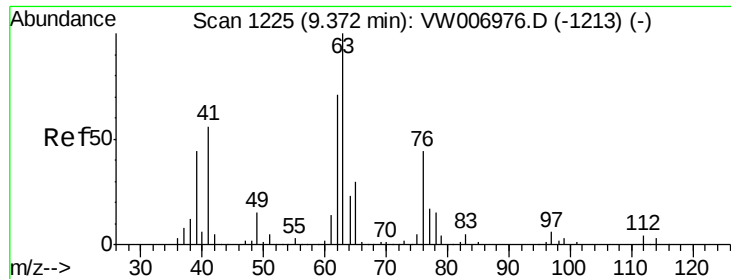
130 100

95 99.4 0.0 206.4



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

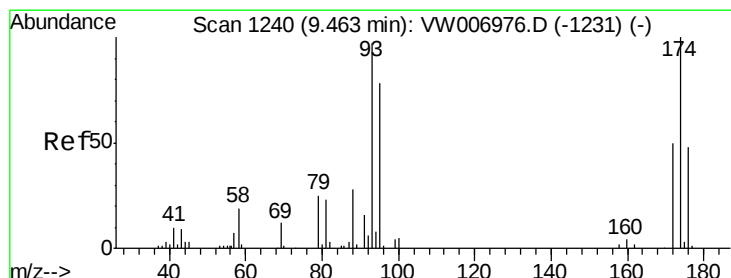
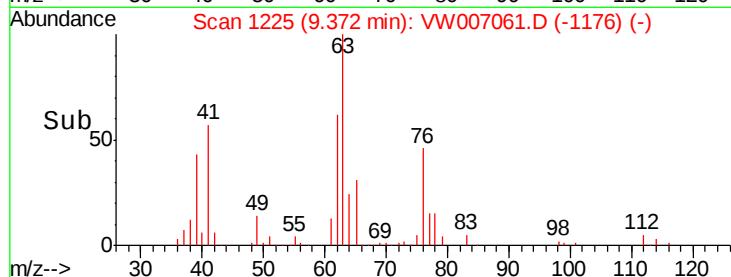
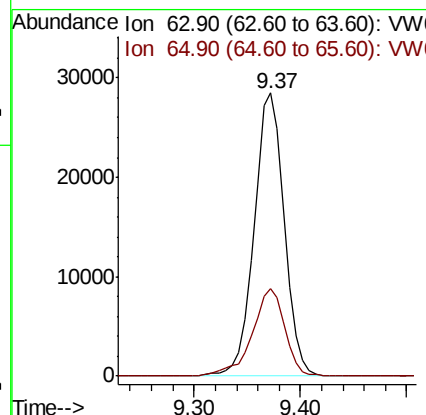
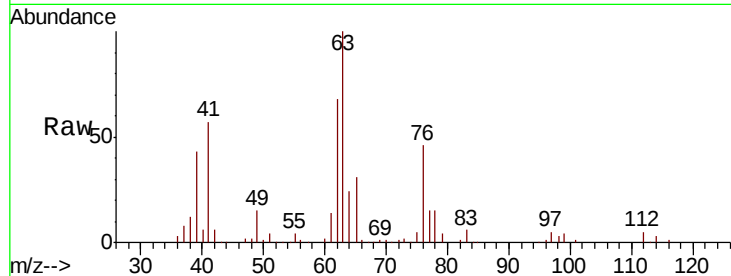




#45
 1,2-Dichloropropane
 Concen: 51.585 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

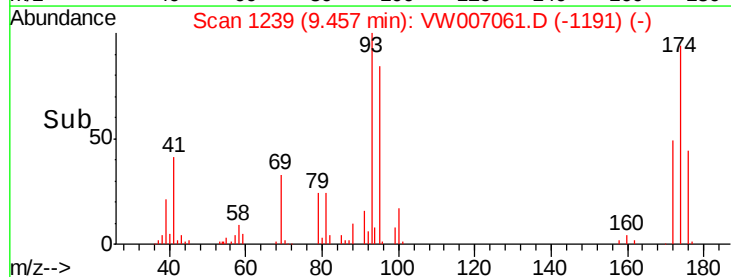
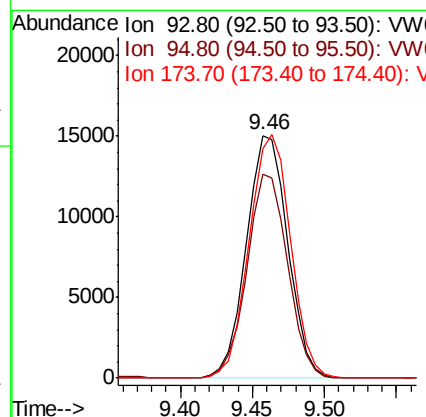
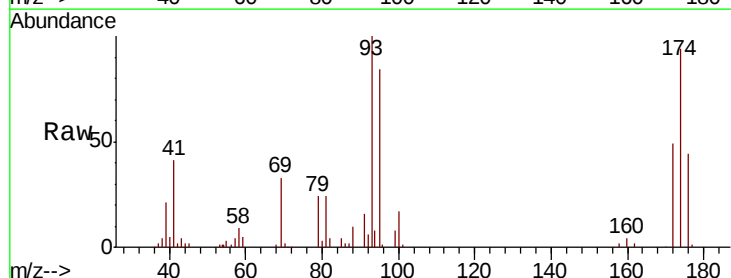
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

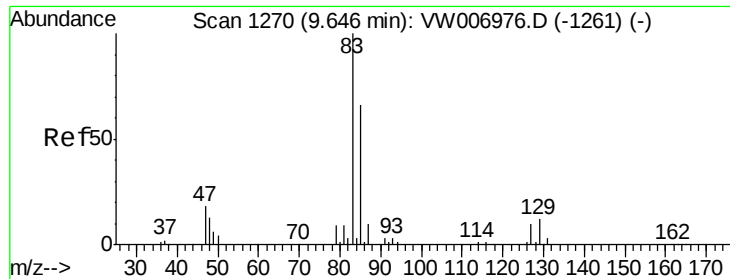
Tot Ion: 63 Resp: 56434
 Ion Ratio Lower Upper
 63 100
 65 31.1 24.4 36.6



#46
 Dibromomethane
 Concen: 54.509 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 93 Resp: 29863
 Ion Ratio Lower Upper
 93 100
 95 82.8 66.1 99.1
 174 100.6 79.7 119.5





#47

Bromodichloromethane

Concen: 53.025 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

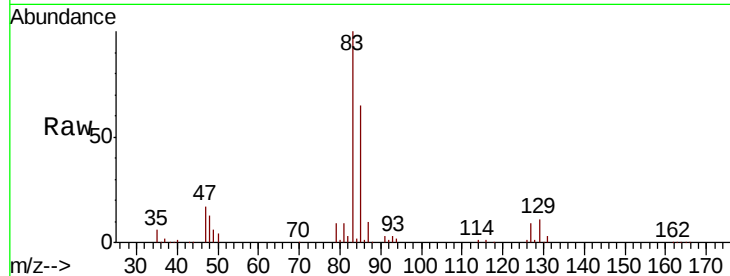
Tot Ion: 83 Resp: 76539

Ion Ratio Lower Upper

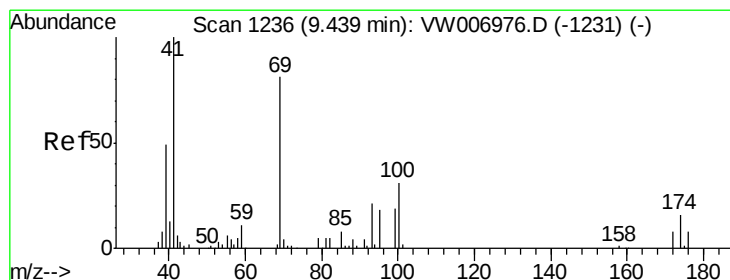
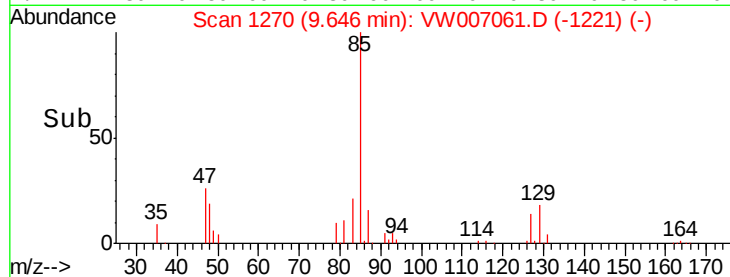
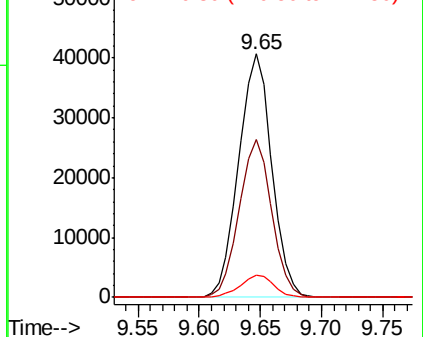
83 100

85 64.7 52.9 79.3

127 9.1 7.8 11.6



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: 61.266 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

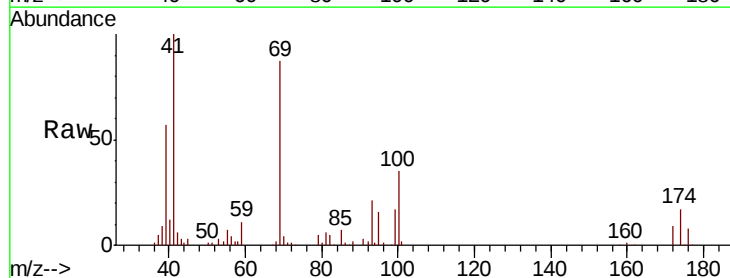
Tgt Ion: 41 Resp: 33540

Ion Ratio Lower Upper

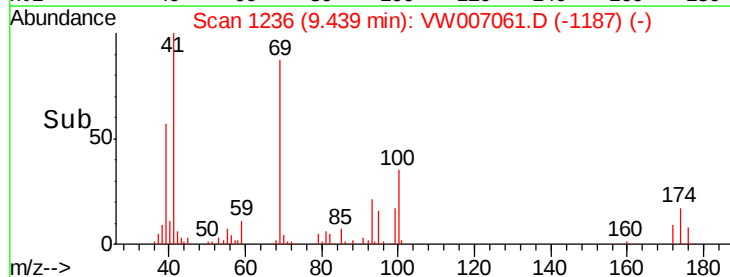
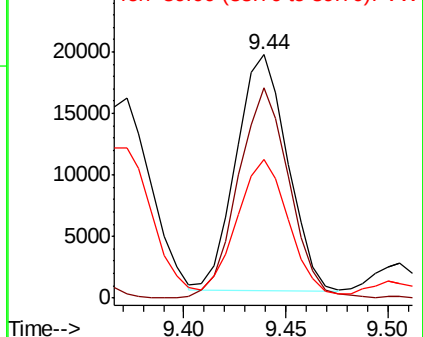
41 100

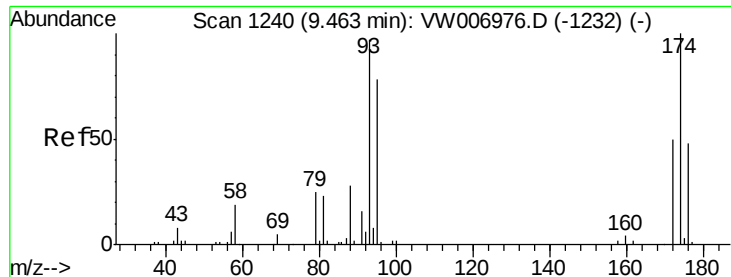
69 89.1 71.4 107.0

39 60.0 44.8 67.2



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





#49

1,4-Dioxane

Concen: 1250.661 ug/l

RT: 9.48 min Scan# 1243

Delta R.T. 0.02 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

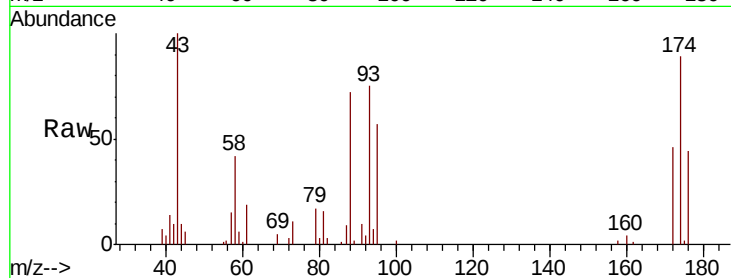
Tot Ion: 88 Resp: 10184

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

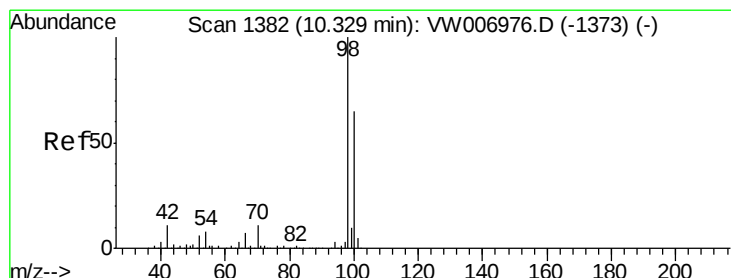
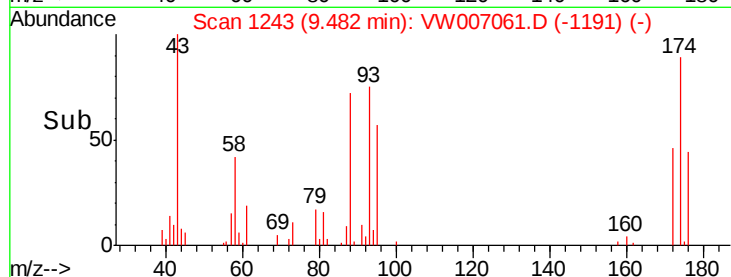
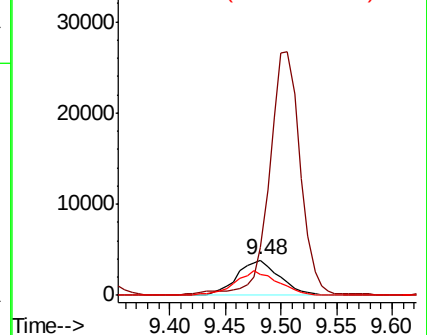
58 70.8 59.0 88.6



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: 48.584 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW007061.D

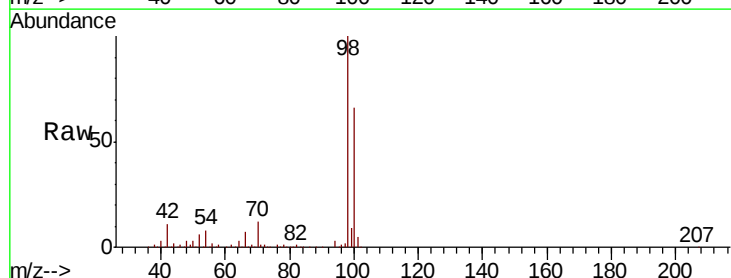
Acq: 26 Nov 2018 21:30

Tgt Ion: 98 Resp: 203841

Ion Ratio Lower Upper

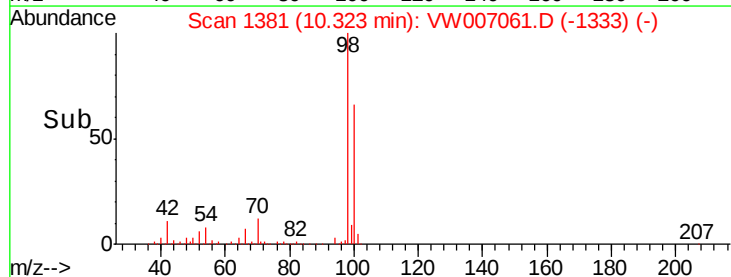
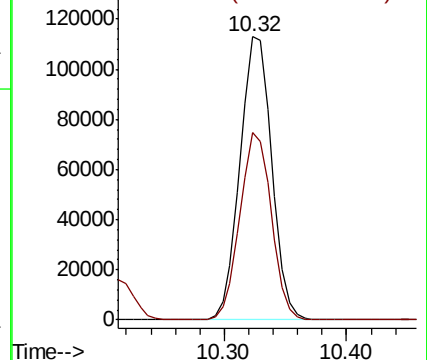
98 100

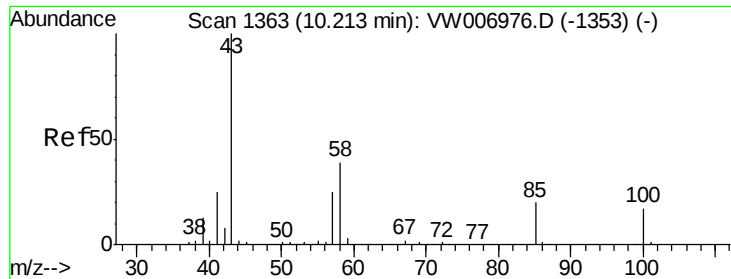
100 65.3 52.2 78.2



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: 295.074 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

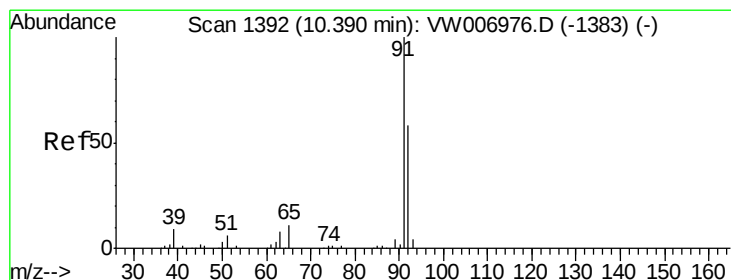
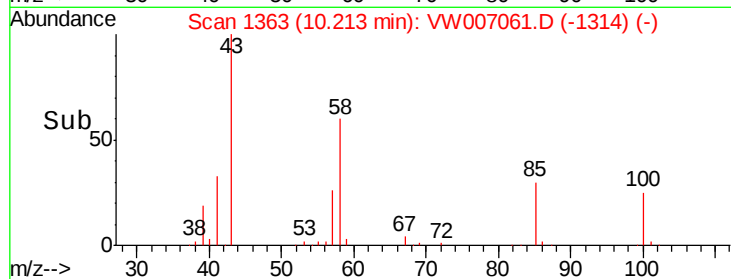
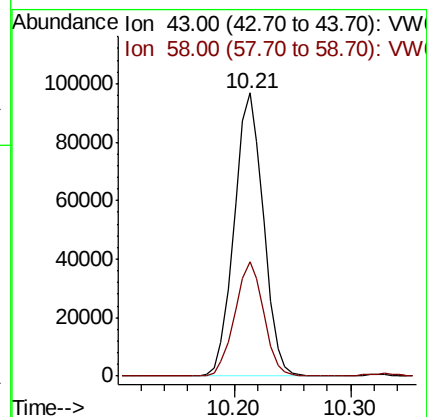
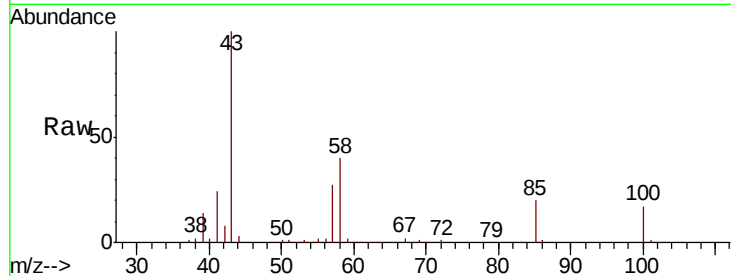
VSTDCCC050EC

Tot Ion: 43 Resp: 169302

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



#52

Toluene

Concen: 52.233 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007061.D

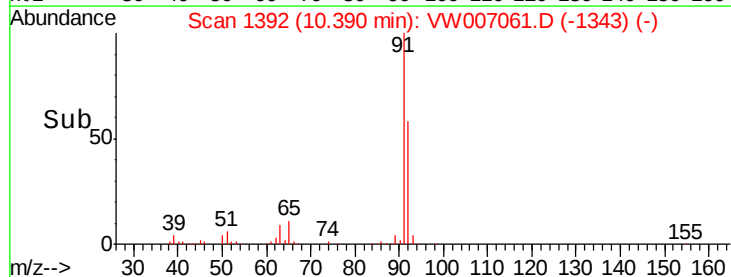
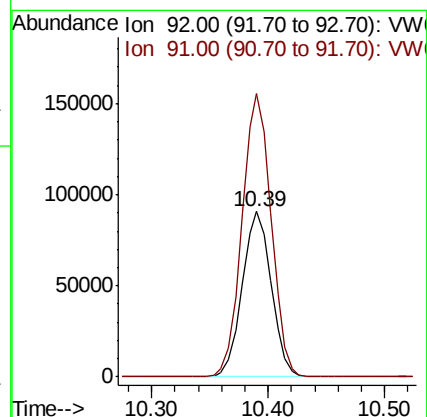
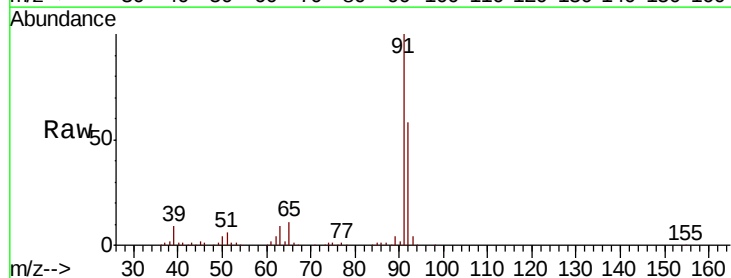
Acq: 26 Nov 2018 21:30

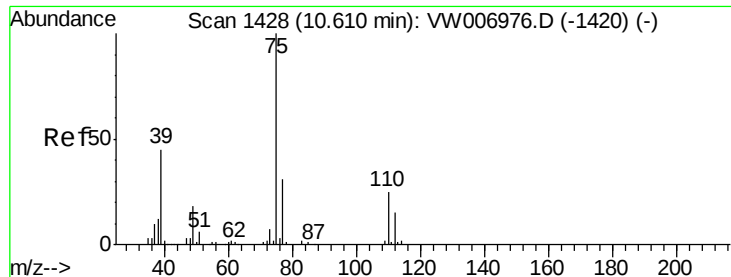
Tgt Ion: 92 Resp: 157760

Ion Ratio Lower Upper

92 100

91 171.7 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 57.314 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

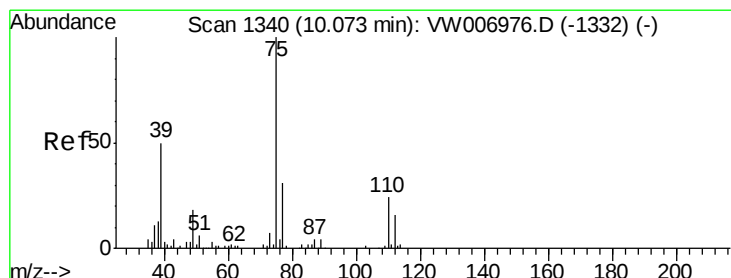
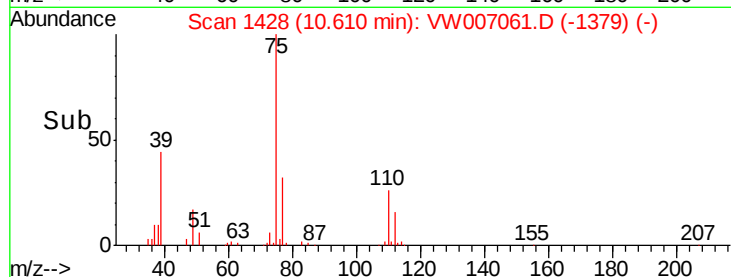
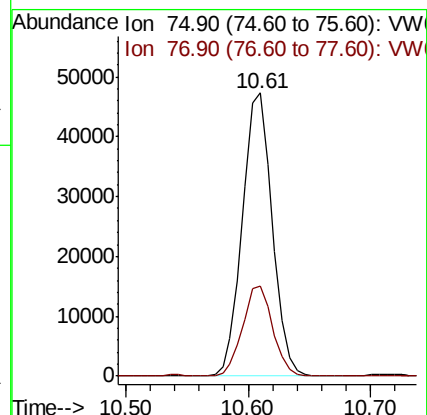
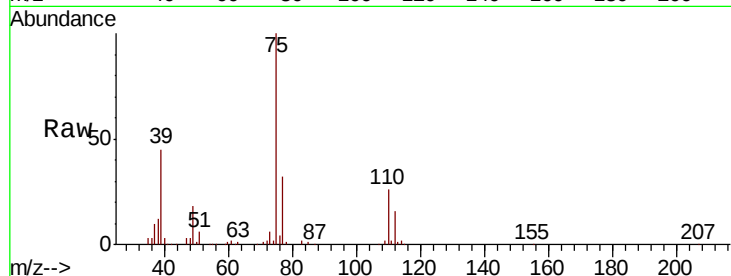
VSTDCCC050EC

Tot Ion: 75 Resp: 80142

Ion Ratio Lower Upper

75 100

77 31.9 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 54.464 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

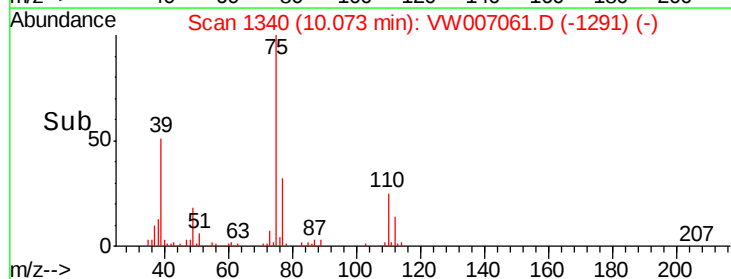
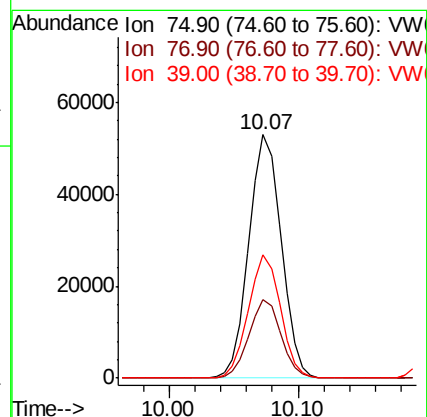
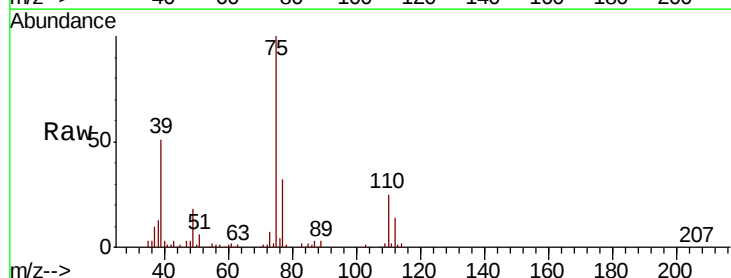
Tgt Ion: 75 Resp: 92007

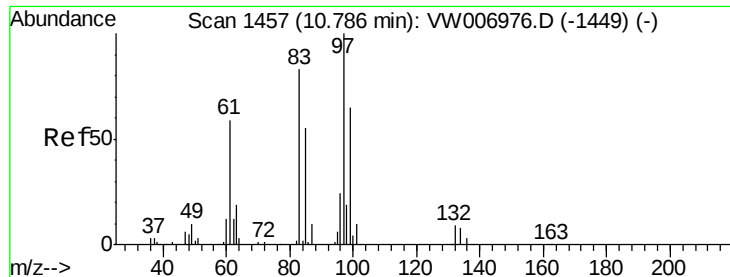
Ion Ratio Lower Upper

75 100

77 32.0 25.0 37.6

39 50.7 39.9 59.9

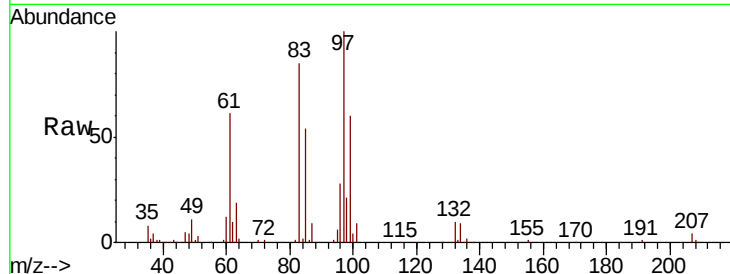




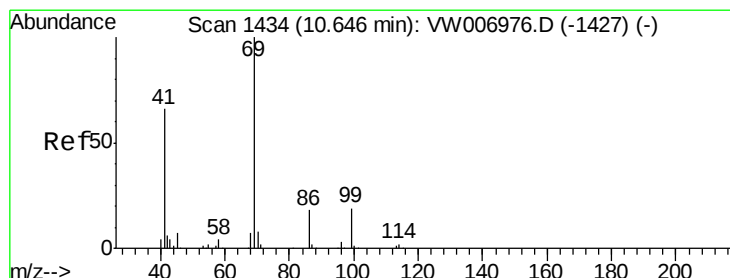
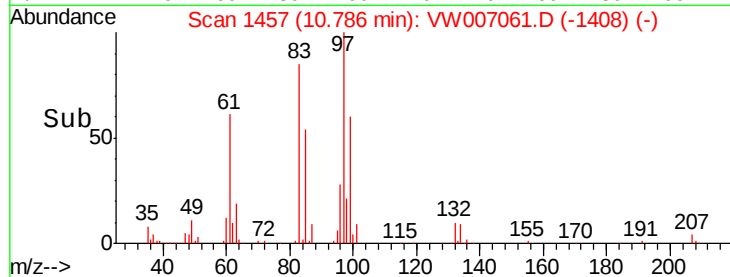
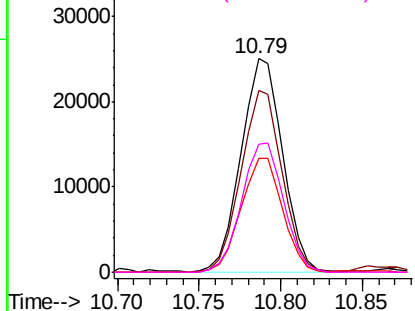
#55
 1,1,2-Trichloroethane
 Concen: 55.376 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	44636
Ion	Ratio	Lower	Upper
97	100		
83	84.9	66.4	99.6
85	53.5	44.1	66.1
99	59.9	51.7	77.5

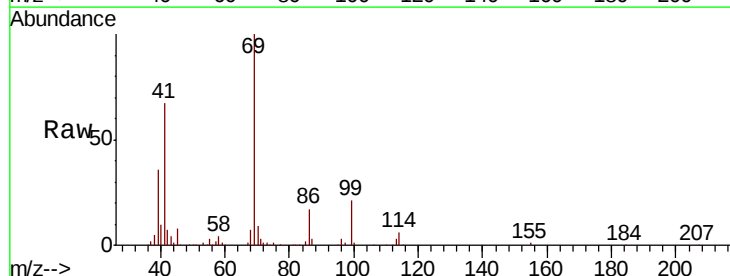


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

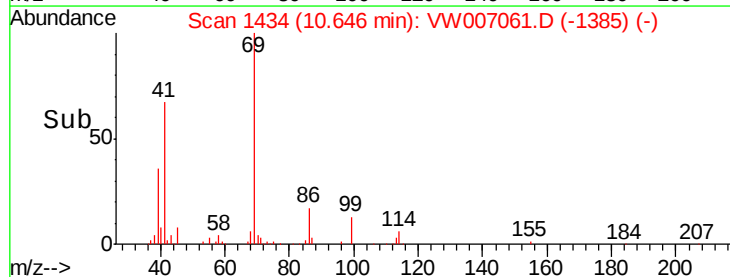
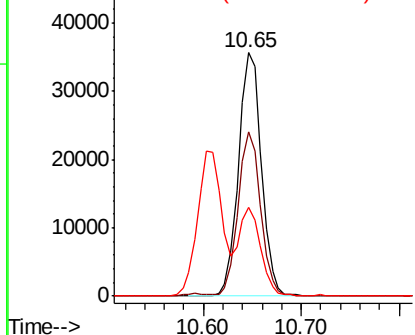


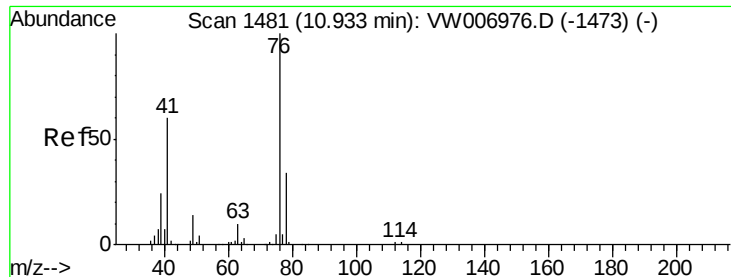
#56
 Ethyl methacrylate
 Concen: 62.220 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion:	69	Resp:	58216
Ion	Ratio	Lower	Upper
69	100		
41	65.3	53.4	80.0
39	34.4	28.2	42.4



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

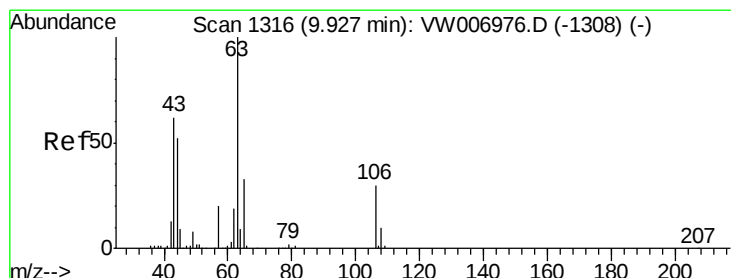
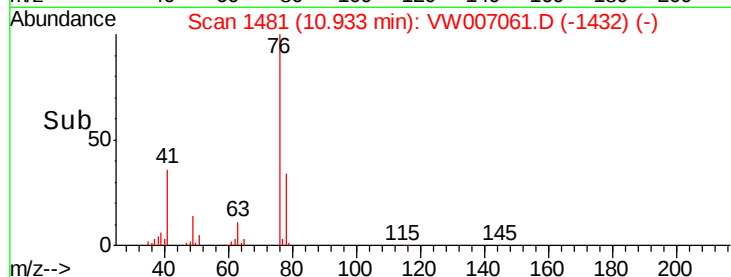
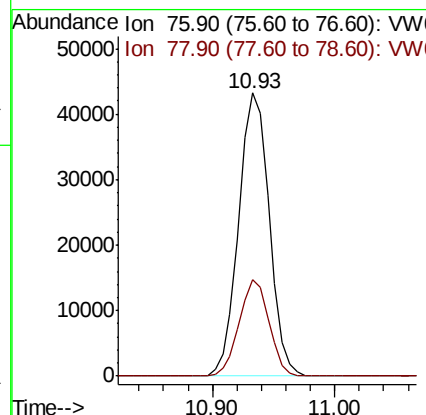
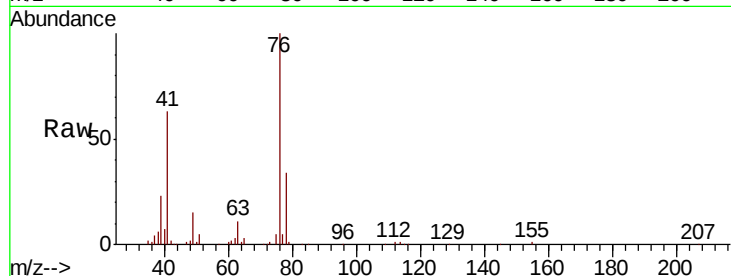




#57
 1,3-Dichloropropane
 Concen: 55.393 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

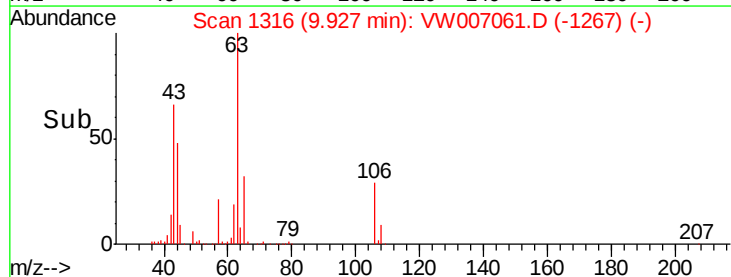
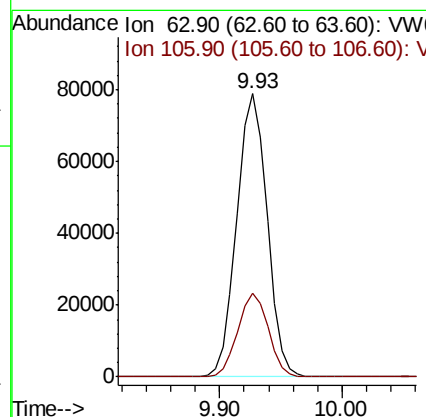
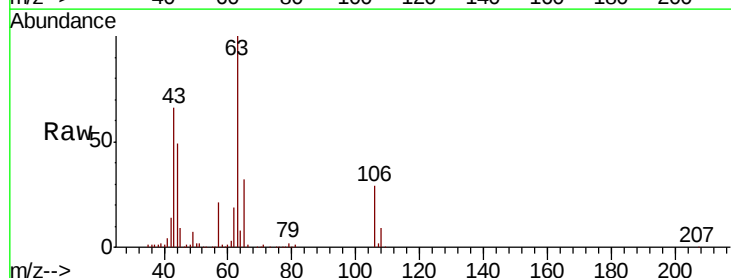
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

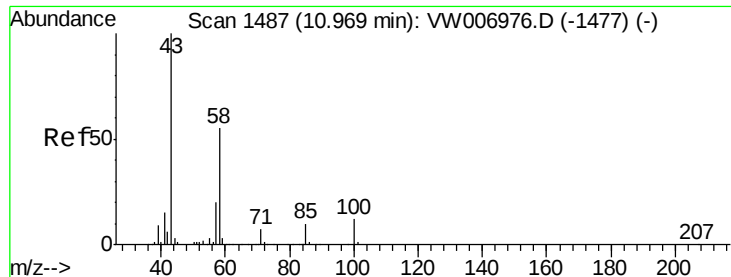
Tot Ion: 76 Resp: 74824
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 276.969 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 63 Resp: 135416
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.5 35.3

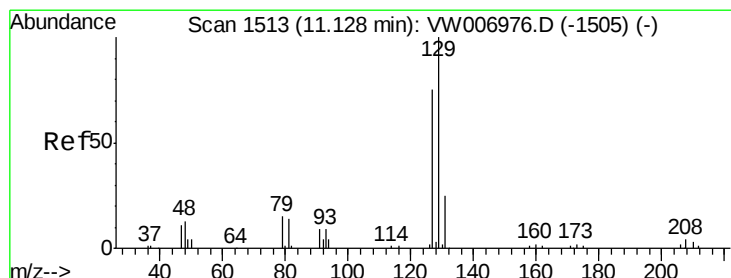
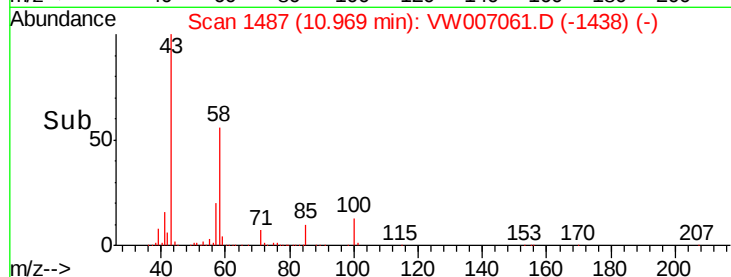
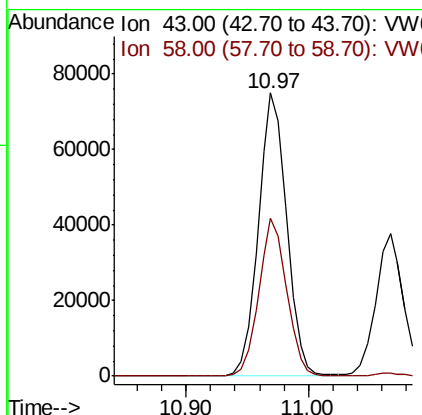
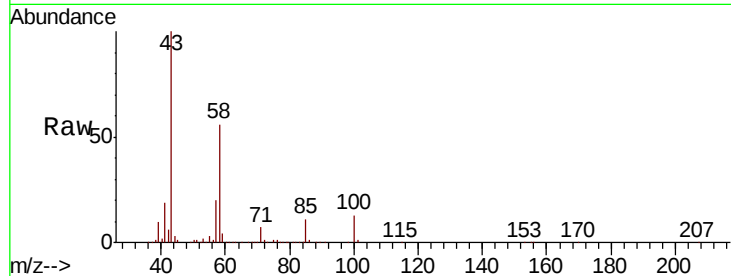




#59
2-Hexanone
Concen: 307.750 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

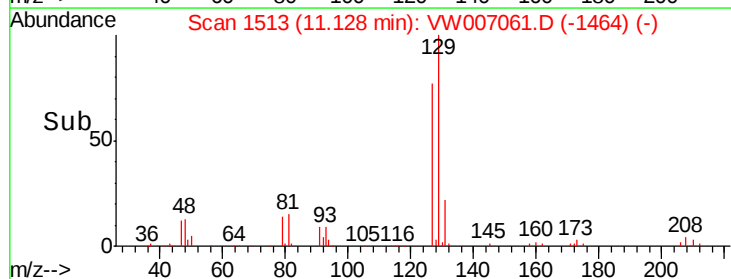
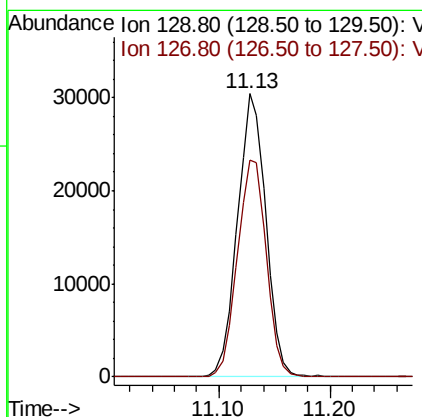
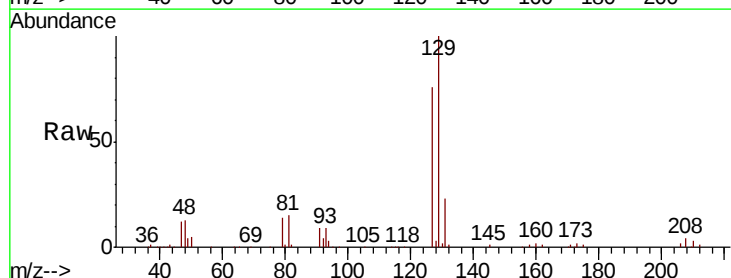
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

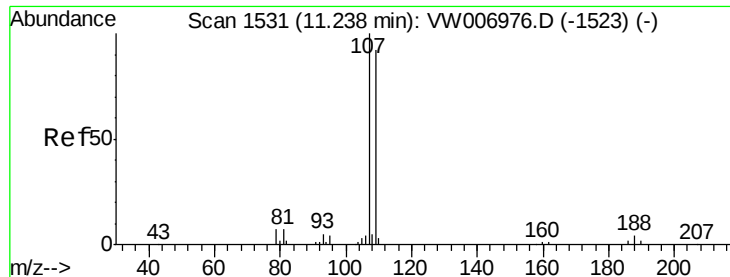
Tot Ion: 43 Resp: 120917
Ion Ratio Lower Upper
43 100
58 54.8 27.3 81.8



#60
Dibromochloromethane
Concen: 58.451 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 129 Resp: 53685
Ion Ratio Lower Upper
129 100
127 78.0 38.3 114.8

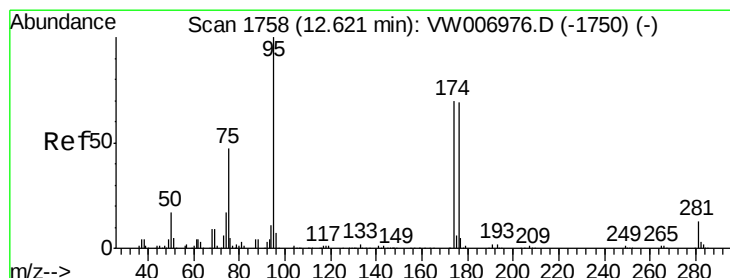
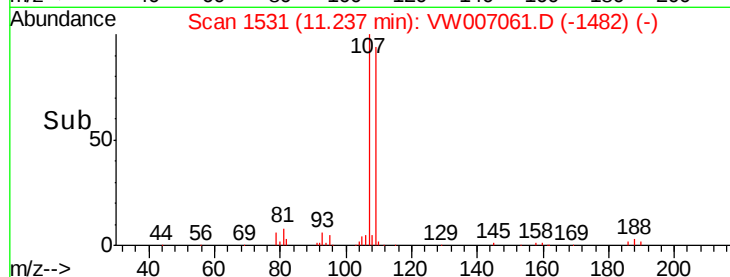
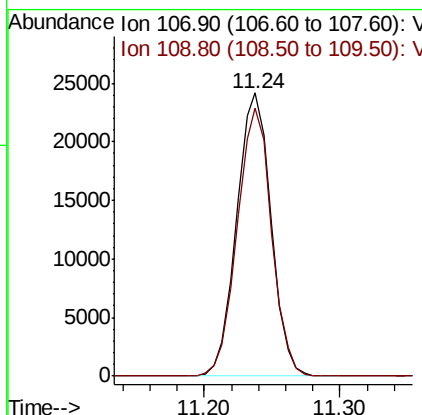
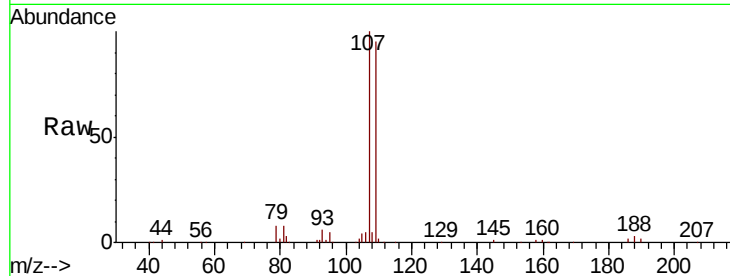




#61
 1,2-Dibromoethane
 Concen: 57.753 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

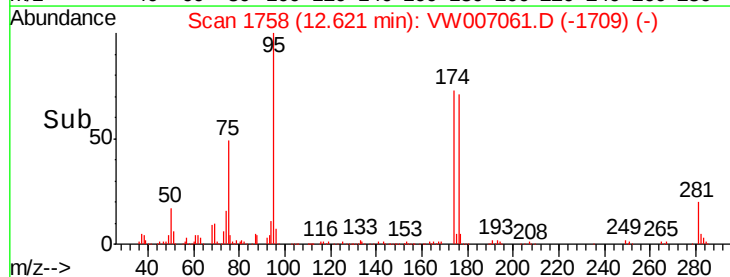
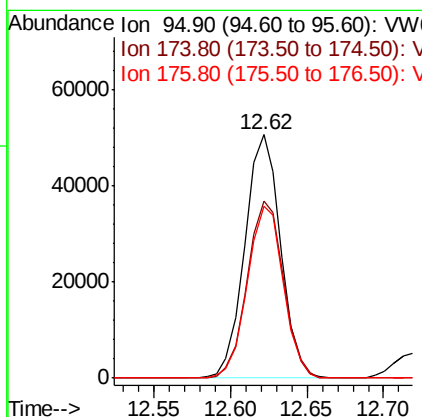
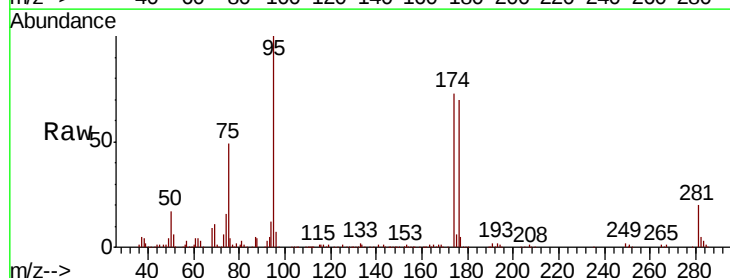
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

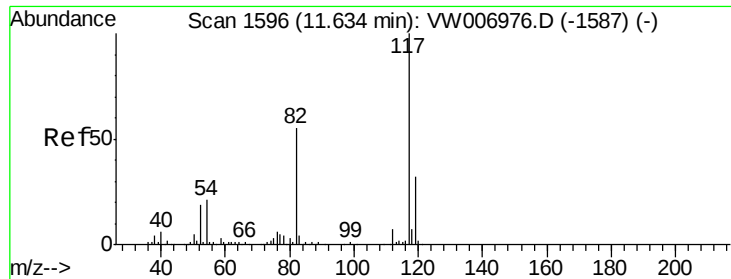
Tot Ion:107 Resp: 42585
 Ion Ratio Lower Upper
 107 100
 109 94.3 75.1 112.7



#62
 4-Bromofluorobenzene
 Concen: 49.886 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 95 Resp: 82365
 Ion Ratio Lower Upper
 95 100
 174 73.6 0.0 143.6
 176 71.1 0.0 140.4

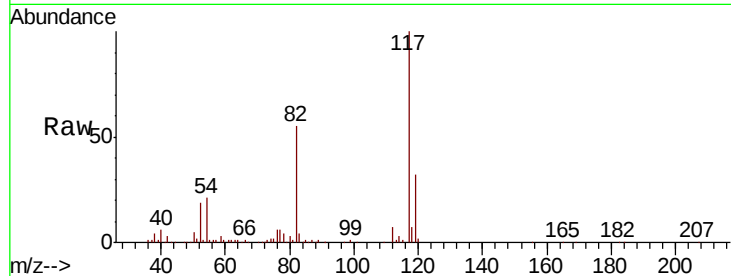




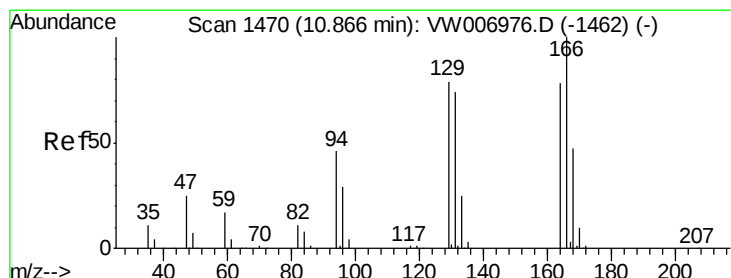
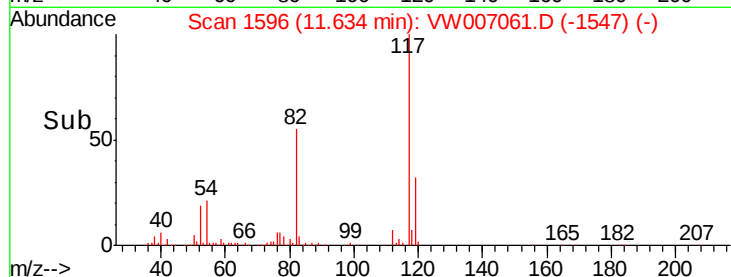
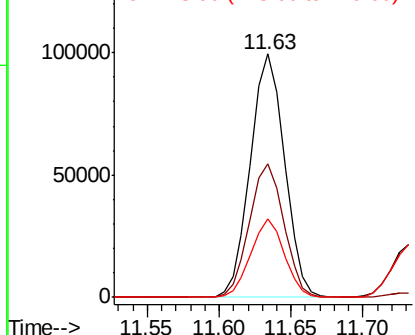
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 164010
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.1 25.9 38.9

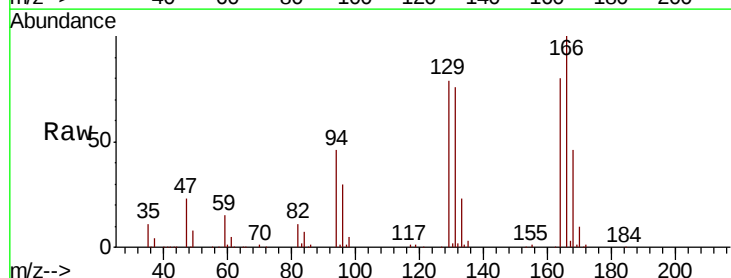


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VW
Ion 118.90 (118.60 to 119.60): V

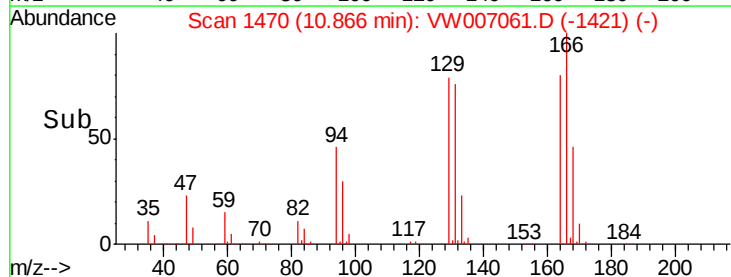
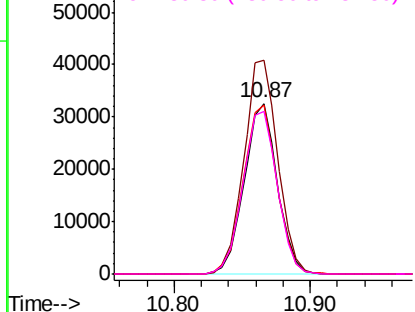


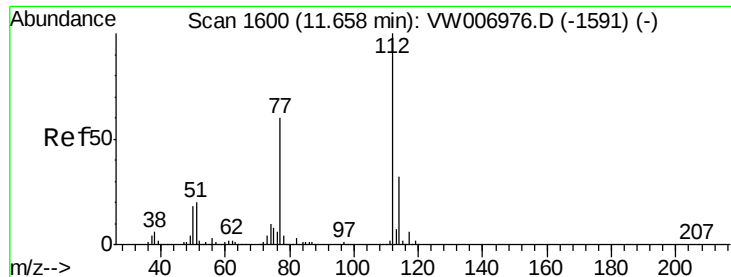
#64
Tetrachloroethene
Concen: 52.434 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion:164 Resp: 55324
Ion Ratio Lower Upper
164 100
166 125.2 102.1 153.1
129 98.8 80.4 120.6
131 94.9 75.2 112.8



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

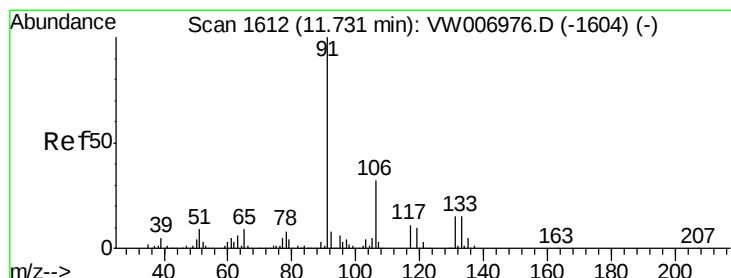
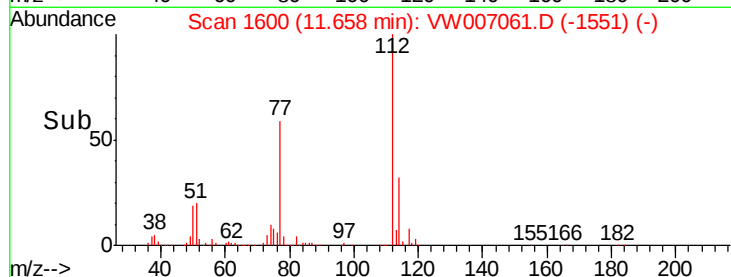
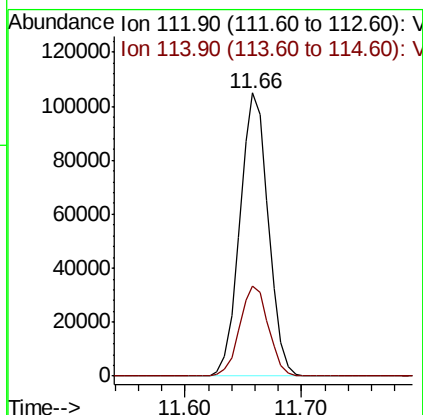
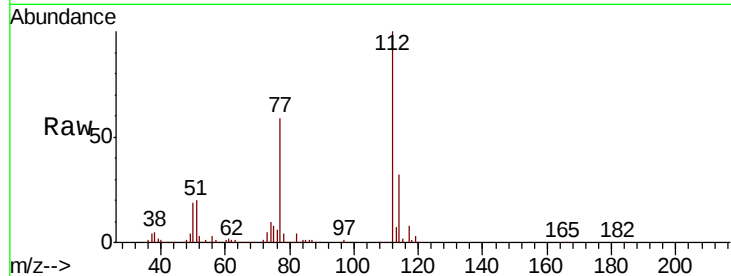




#65
Chlorobenzene
Concen: 52.077 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

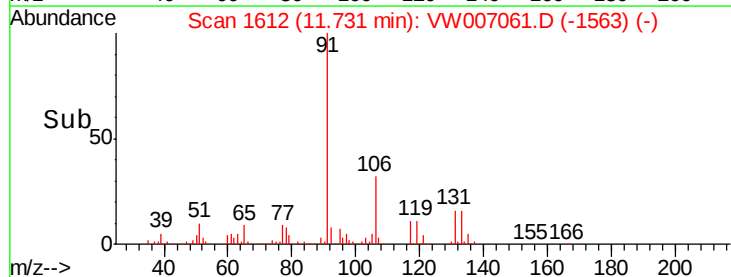
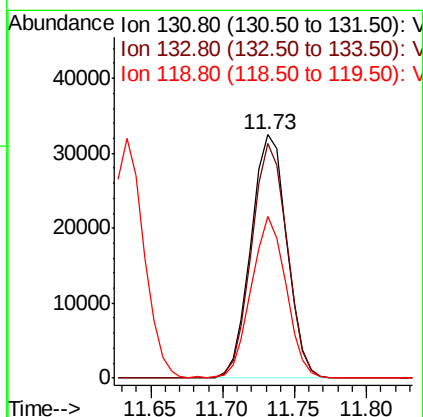
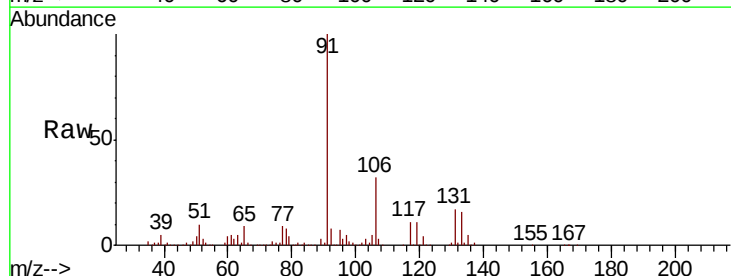
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

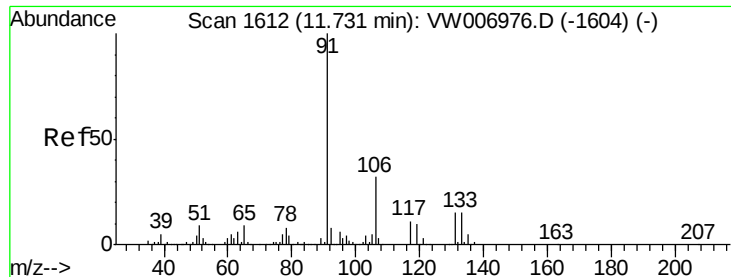
Tot Ion:112 Resp: 178267
Ion Ratio Lower Upper
112 100
114 31.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 53.988 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion:131 Resp: 55906
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 64.5 31.8 95.3

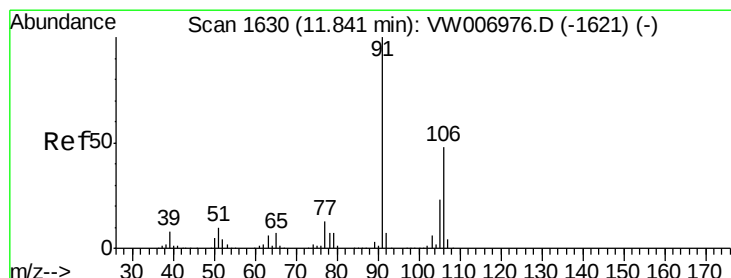
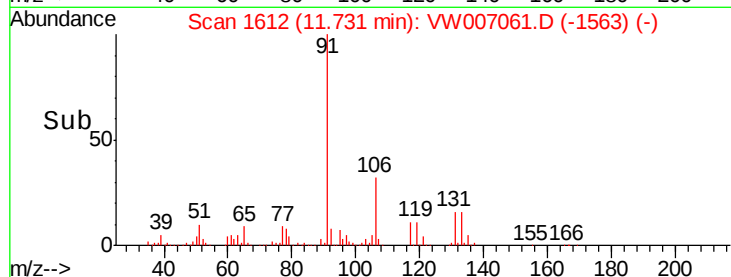
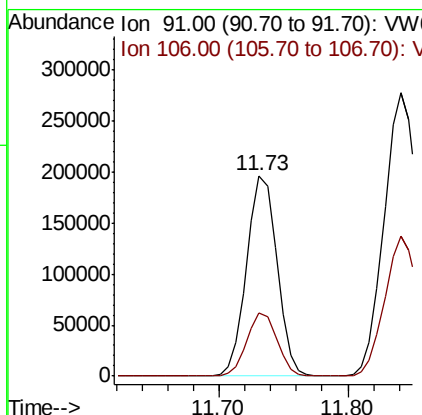
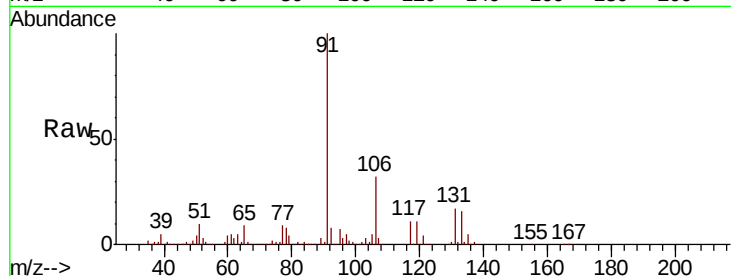




#67
Ethyl Benzene
Concen: 50.798 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

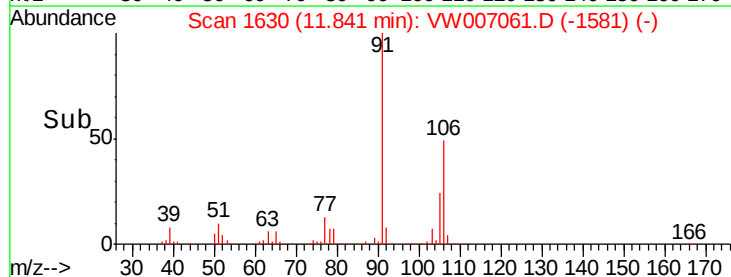
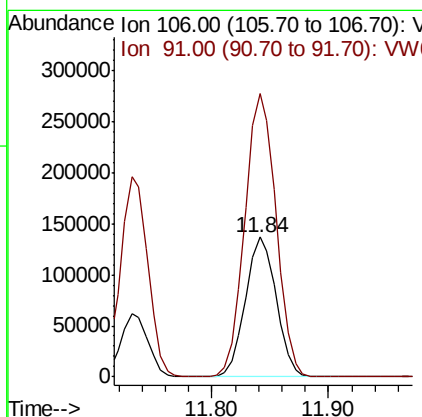
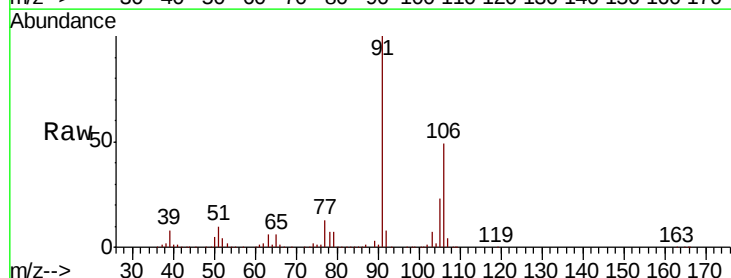
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

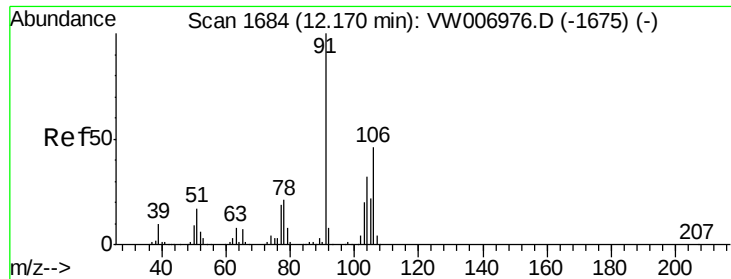
Tot Ion: 91 Resp: 319445
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2



#68
m/p-Xylenes
Concen: 102.560 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion: 106 Resp: 253034
Ion Ratio Lower Upper
106 100
91 205.2 164.8 247.2

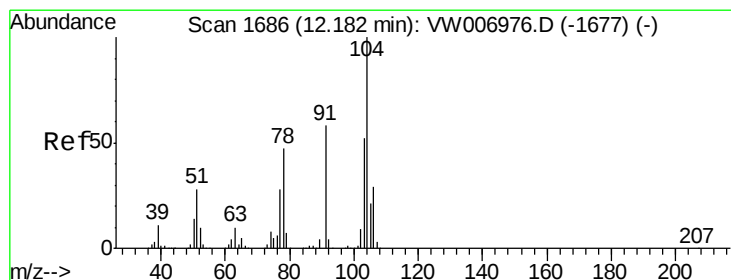
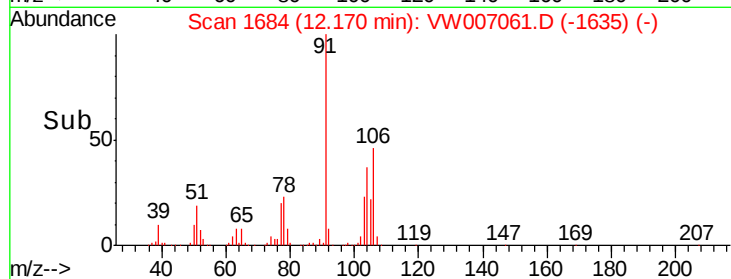
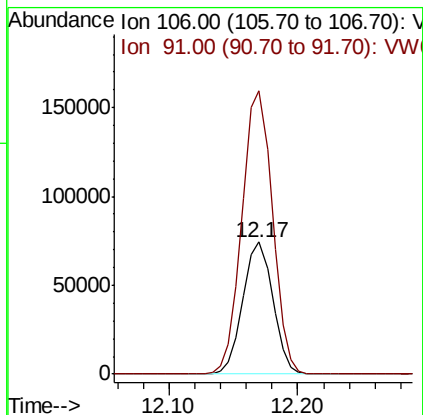
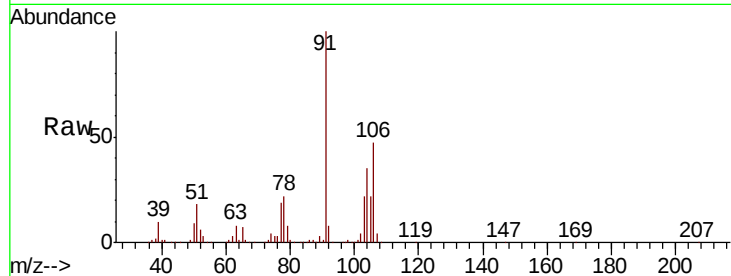




#69
o-Xylene
Concen: 51.633 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

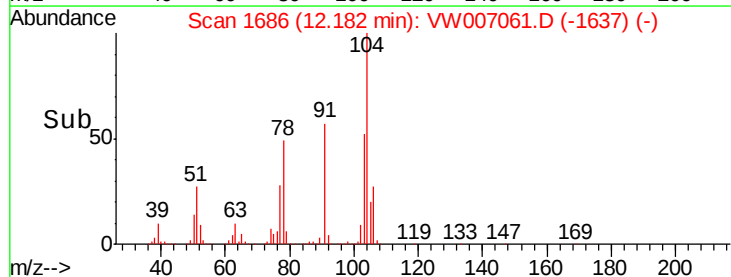
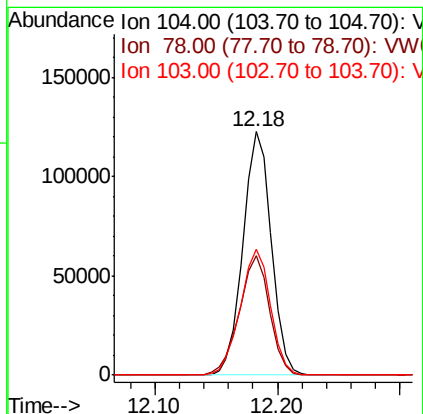
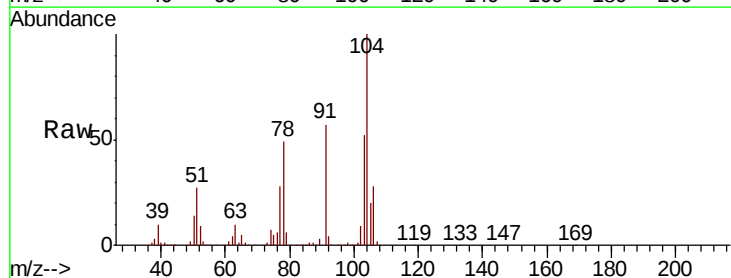
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

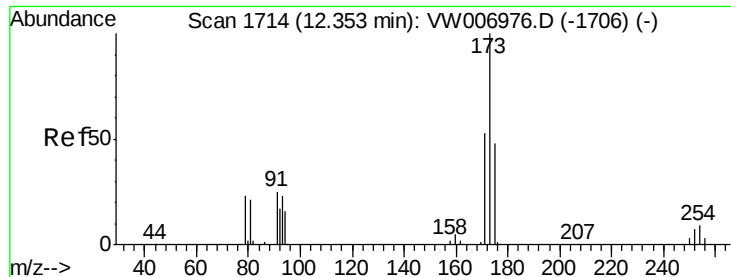
Tot Ion:106 Resp: 120117
Ion Ratio Lower Upper
106 100
91 217.7 107.9 323.8



#70
Styrene
Concen: 53.292 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion:104 Resp: 197316
Ion Ratio Lower Upper
104 100
78 52.3 41.8 62.8
103 55.2 44.4 66.6





#71

Bromoform

Concen: 60.209 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

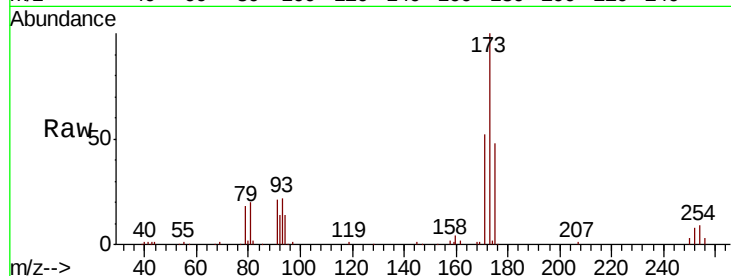
Tot Ion:173 Resp: 29371

Ion Ratio Lower Upper

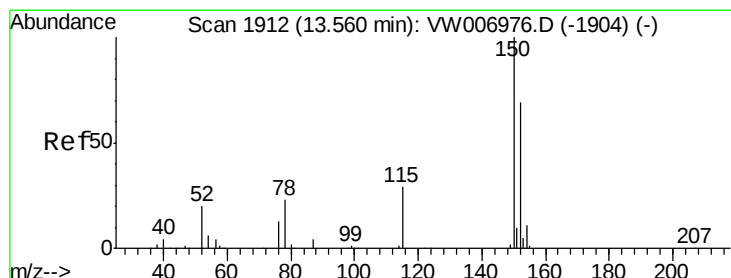
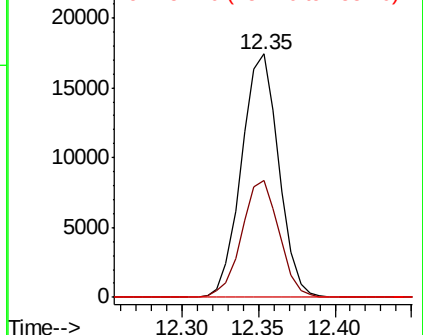
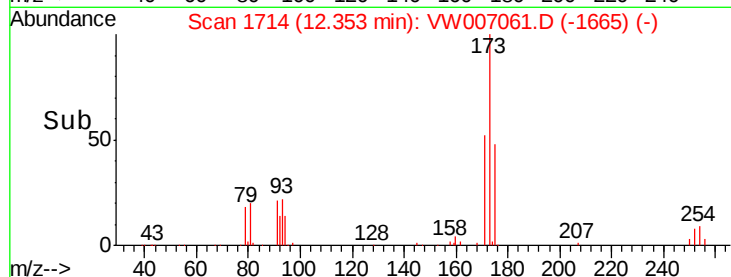
173 100

175 48.4 24.0 72.0

254 0.0 0.0 0.0



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: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

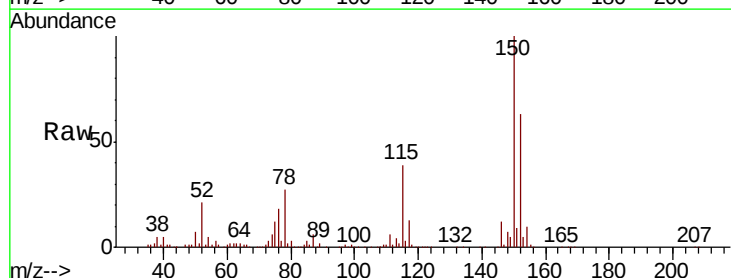
Tgt Ion:152 Resp: 83894

Ion Ratio Lower Upper

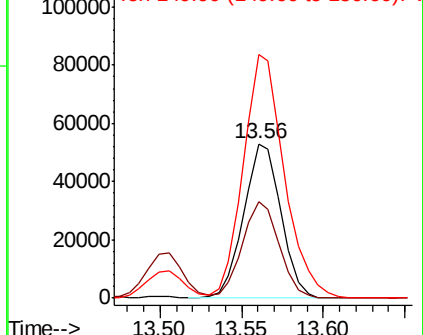
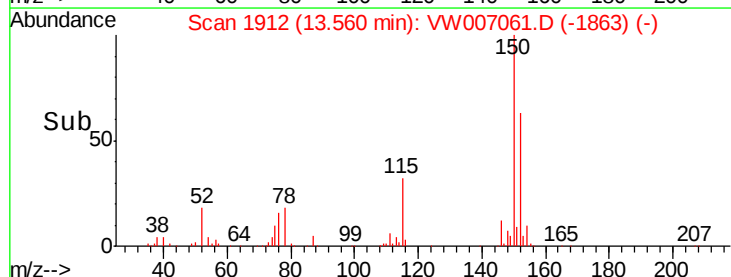
152 100

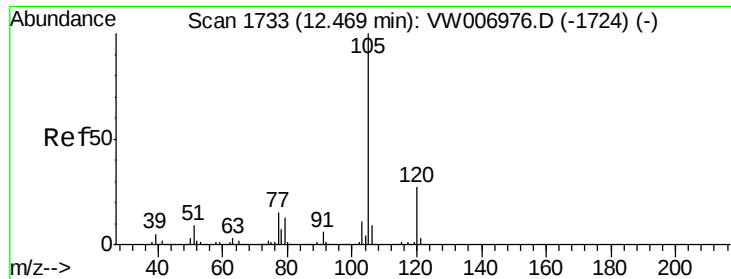
115 61.9 31.4 94.2

150 173.8 0.0 353.4



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: 50.294 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

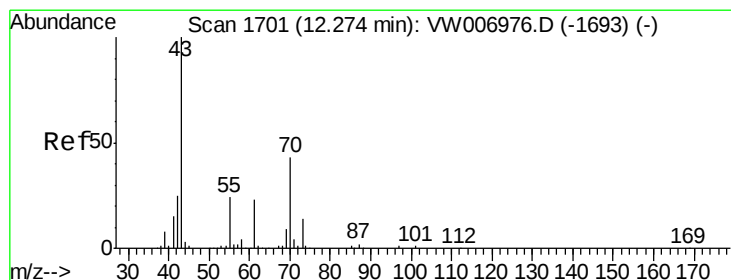
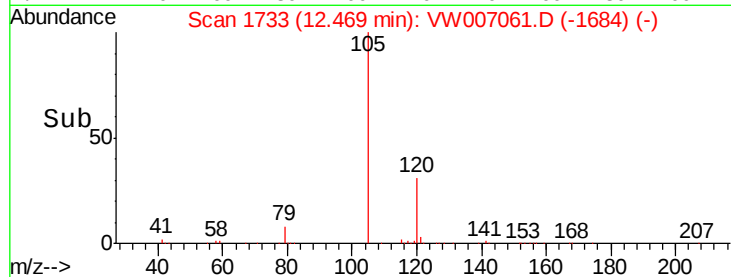
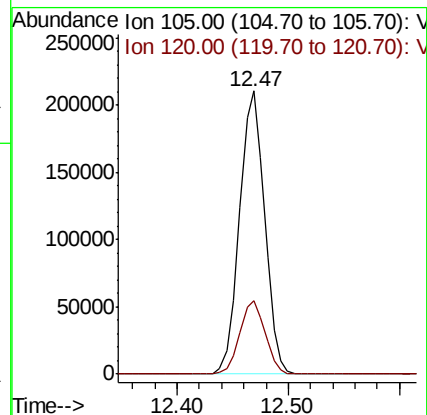
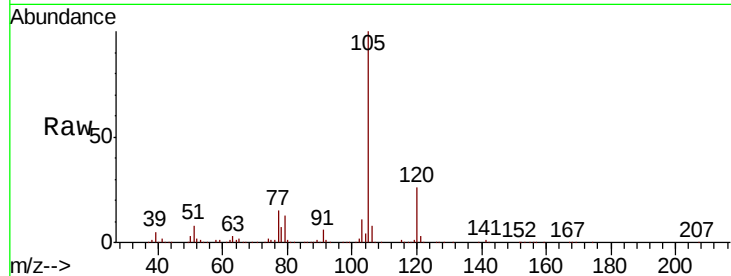
VSTDCCC050EC

Tot Ion:105 Resp: 327923

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.8



#74

N-ethyl acetate

Concen: 62.645 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Tgt Ion: 43 Resp: 68456

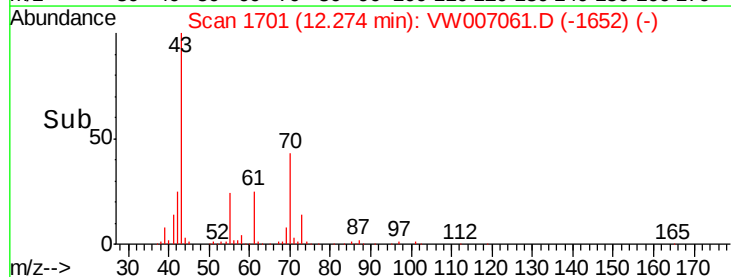
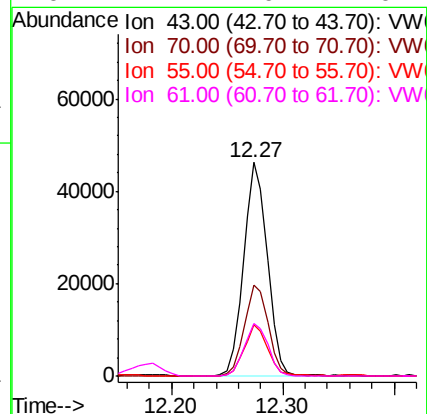
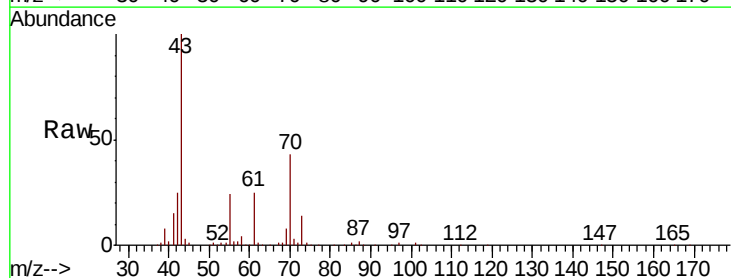
Ion Ratio Lower Upper

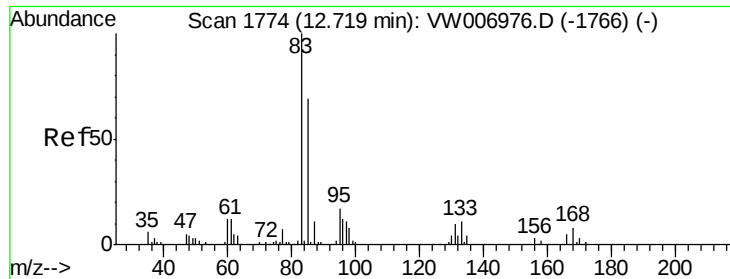
43 100

70 42.9 34.0 51.0

55 24.0 19.4 29.0

61 24.4 19.4 29.2





#75

1,1,2,2-Tetrachloroethane

Concen: 55.088 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

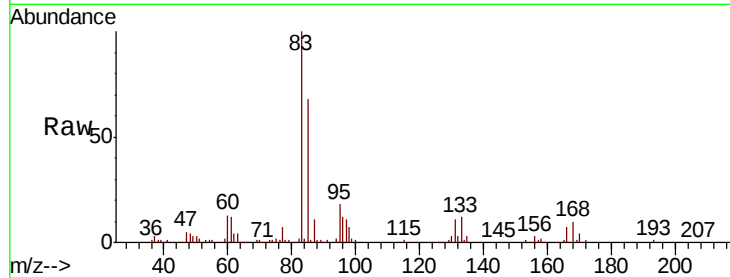
Tot Ion: 83 Resp: 47801

Ion Ratio Lower Upper

83 100

131 11.7 5.7 17.1

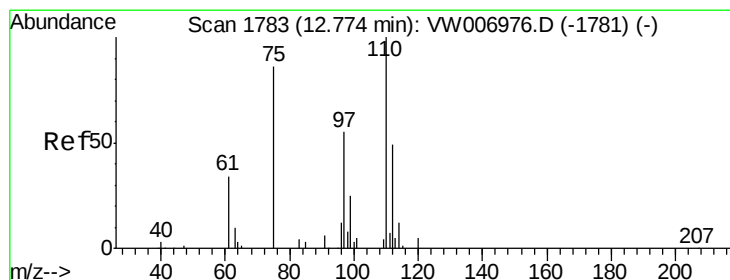
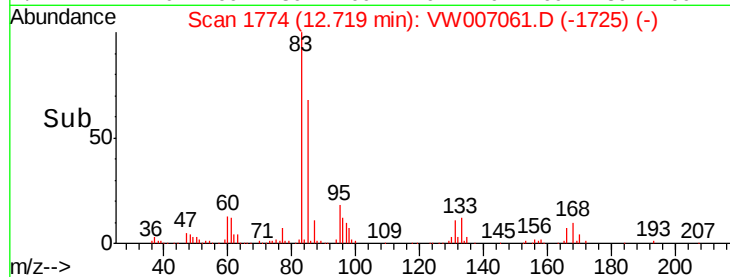
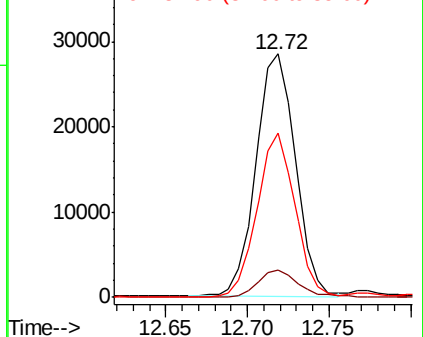
85 65.1 33.1 99.2



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: 101.304 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VW007061.D

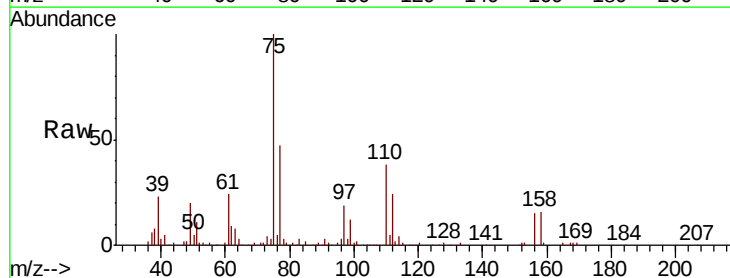
Acq: 26 Nov 2018 21:30

Tgt Ion: 75 Resp: 66783

Ion Ratio Lower Upper

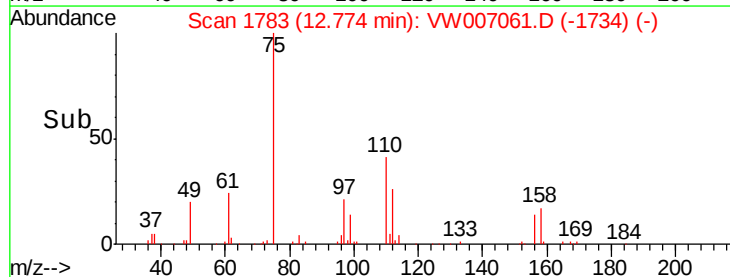
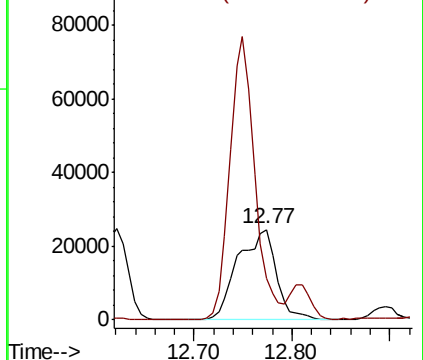
75 100

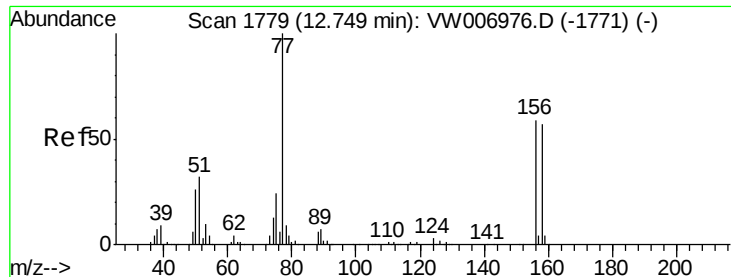
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 52.449 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

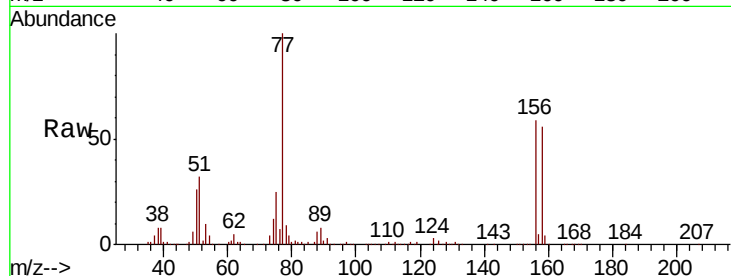
Tot Ion:156 Resp: 73450

Ion Ratio Lower Upper

156 100

77 187.1 94.6 283.8

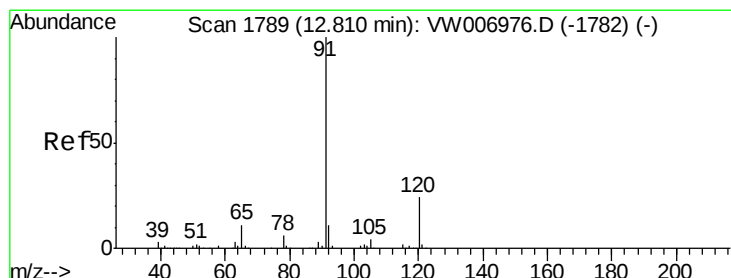
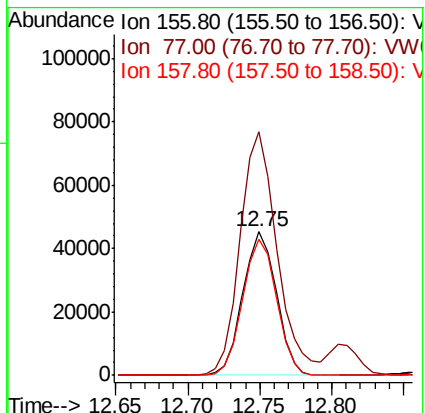
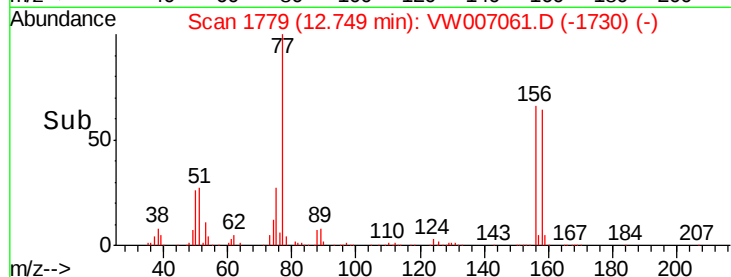
158 95.3 48.9 146.7



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: 49.319 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VW007061.D

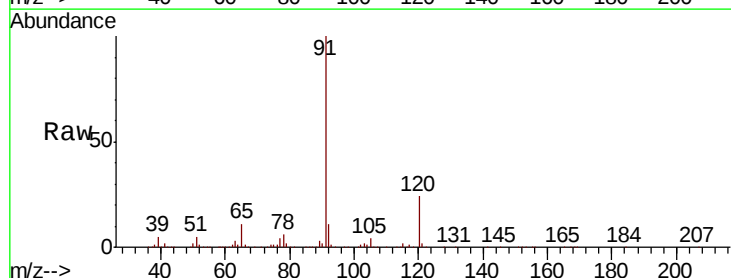
Acq: 26 Nov 2018 21:30

Tgt Ion: 91 Resp: 389514

Ion Ratio Lower Upper

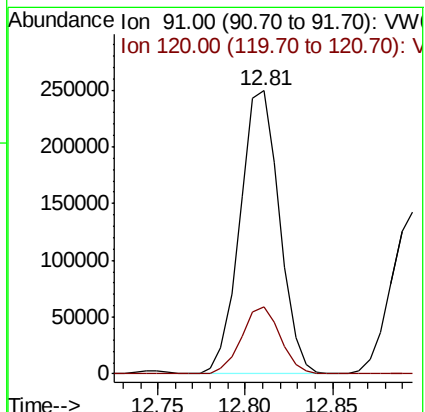
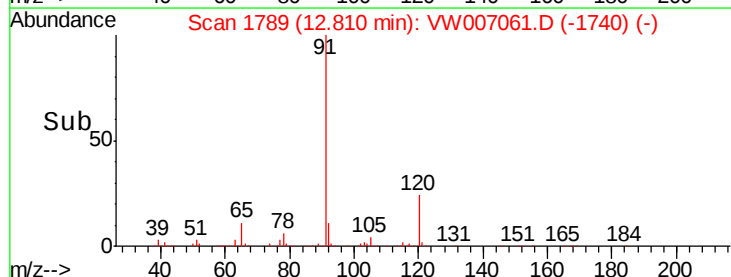
91 100

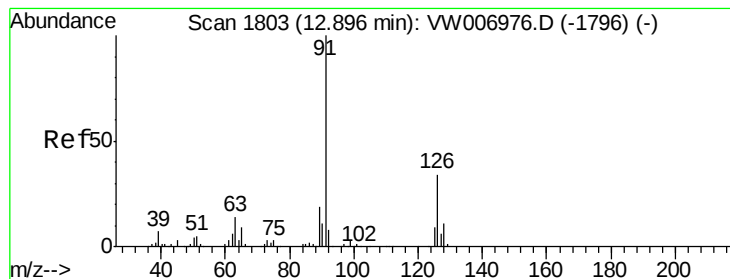
120 23.3 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.221 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

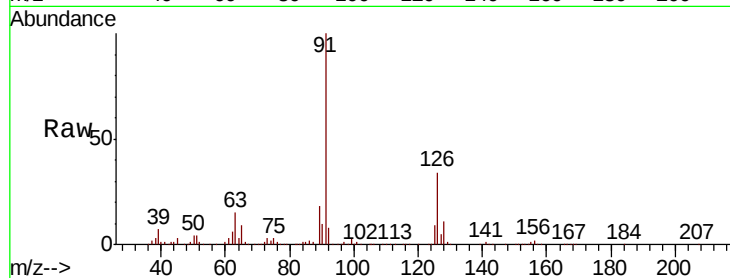
VSTDCCC050EC

Tot Ion: 91 Resp: 228701

Ion Ratio Lower Upper

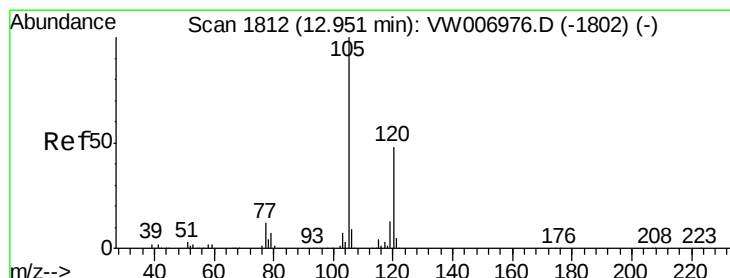
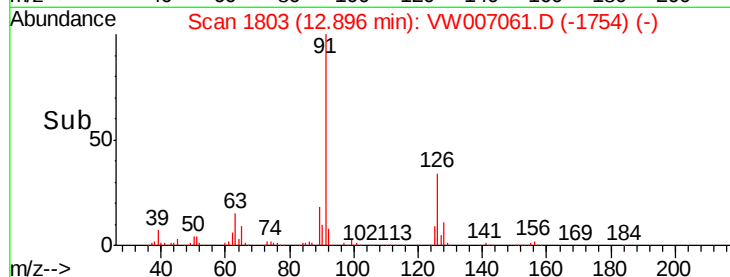
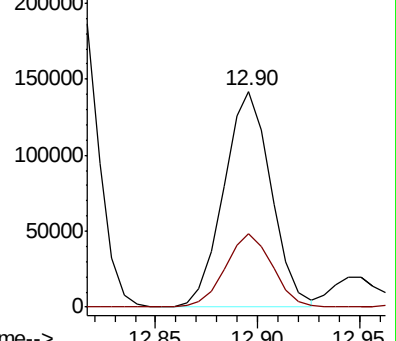
91 100

126 33.9 16.7 50.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.285 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW007061.D

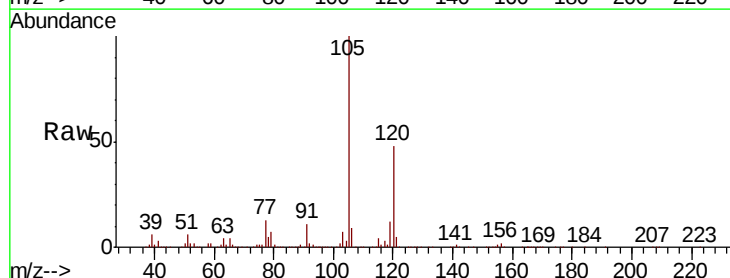
Acq: 26 Nov 2018 21:30

Tgt Ion:105 Resp: 289159

Ion Ratio Lower Upper

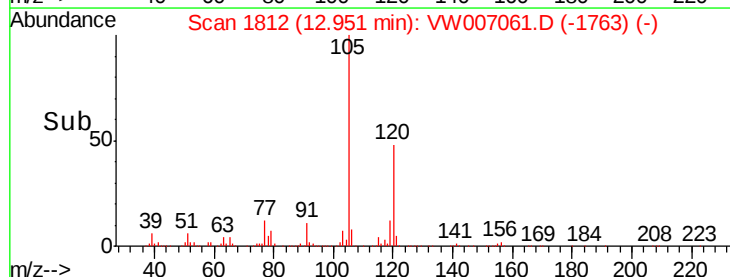
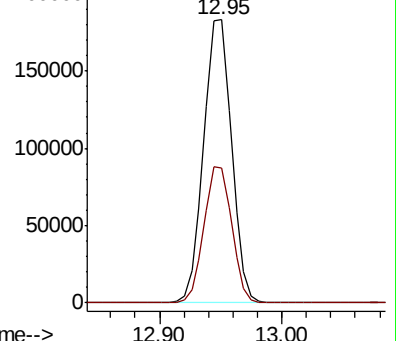
105 100

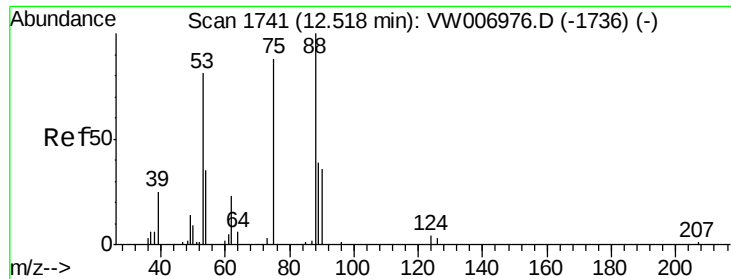
120 47.7 23.8 71.2



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: 56.931 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

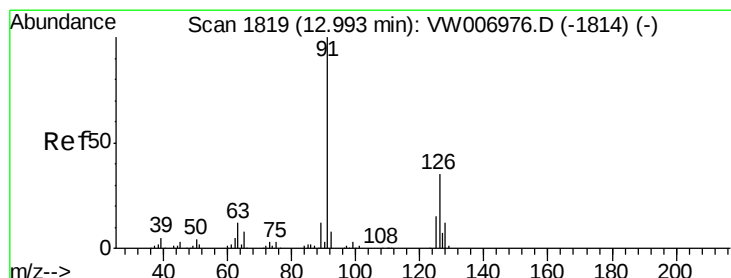
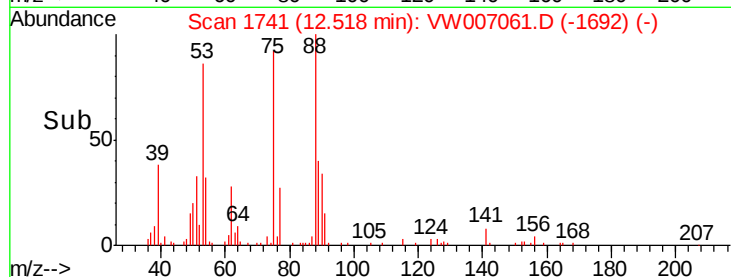
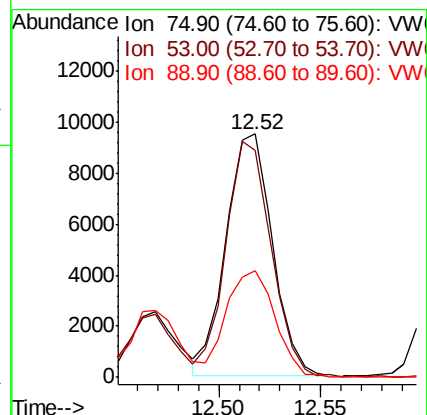
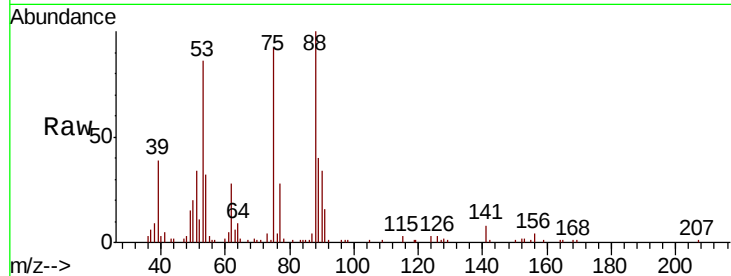
Tot Ion: 75 Resp: 14949

Ion Ratio Lower Upper

75 100

53 96.0 77.6 116.4

89 46.1 39.3 58.9



#82

4-Chlorotoluene

Concen: 50.660 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW007061.D

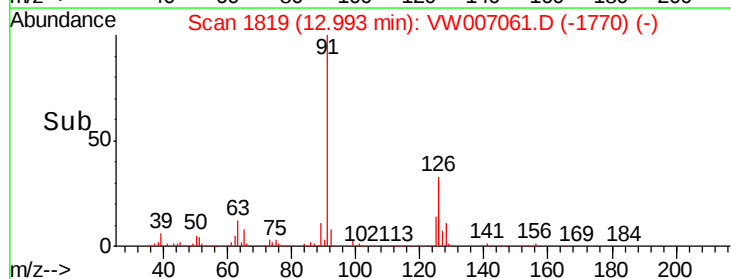
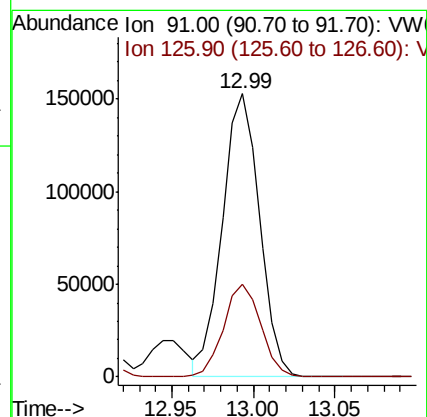
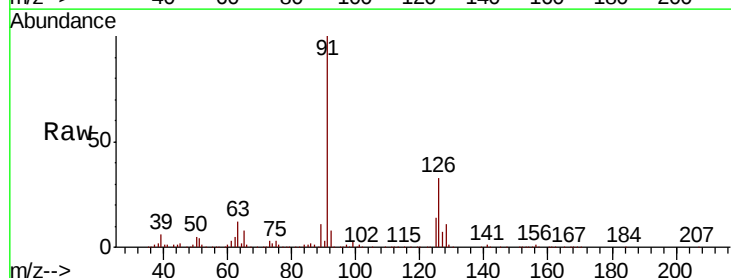
Acq: 26 Nov 2018 21:30

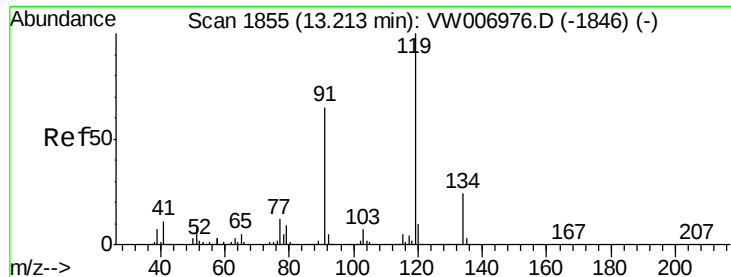
Tgt Ion: 91 Resp: 242096

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.7

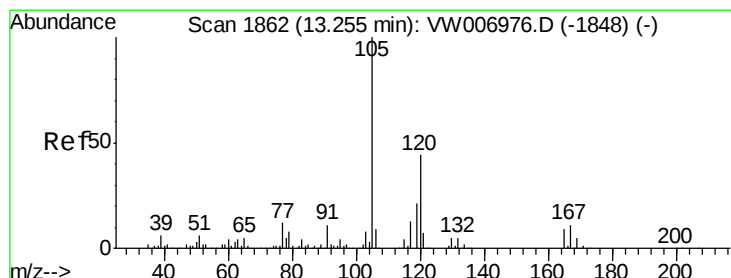
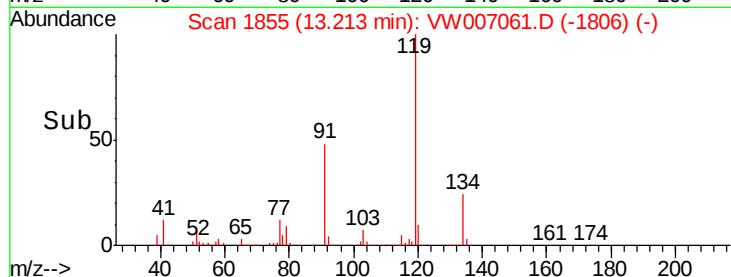
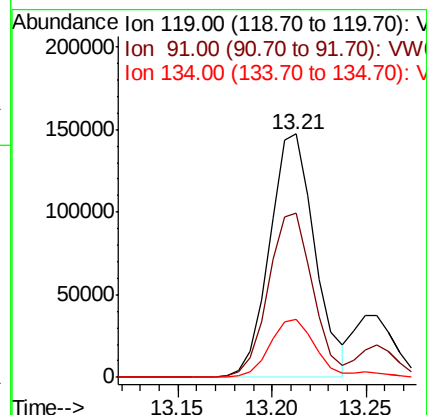
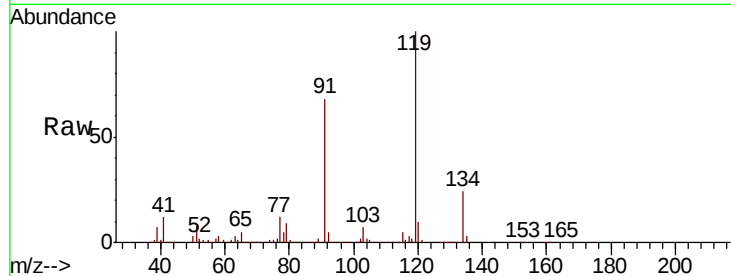




#83
tert-Butylbenzene
Concen: 50.207 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

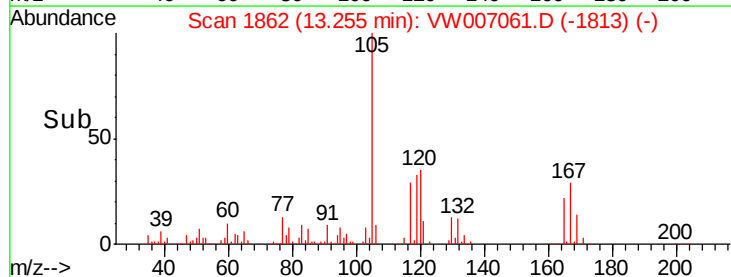
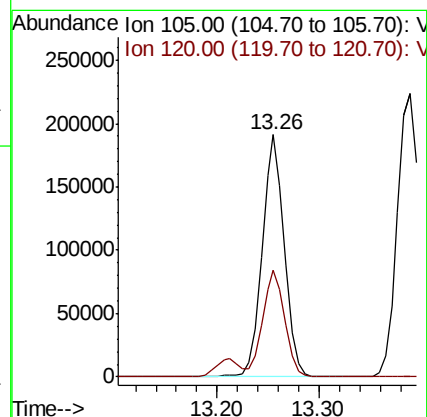
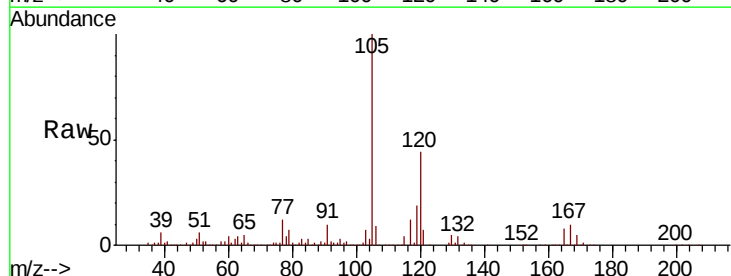
Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

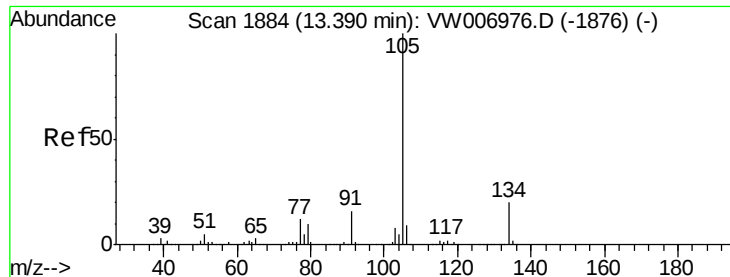
Tot Ion:119 Resp: 245084
Ion Ratio Lower Upper
119 100
91 66.3 33.5 100.5
134 25.2 12.6 37.8



#84
1,2,4-Trimethylbenzene
Concen: 51.394 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion:105 Resp: 288706
Ion Ratio Lower Upper
105 100
120 44.4 21.8 65.3





#85

sec-Butylbenzene

Concen: 49.644 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

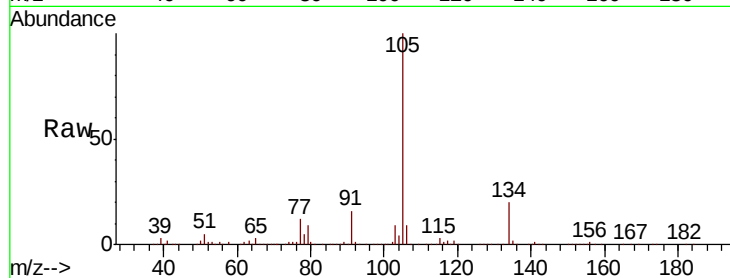
VSTDCCC050EC

Tot Ion:105 Resp: 342356

Ion Ratio Lower Upper

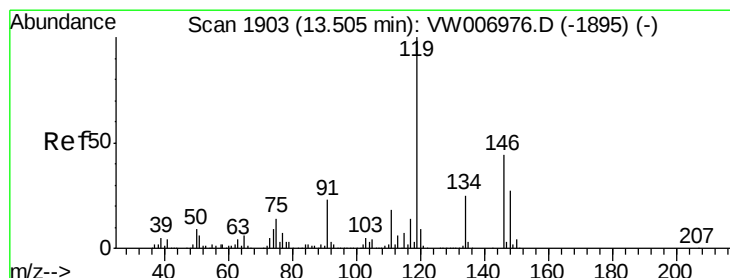
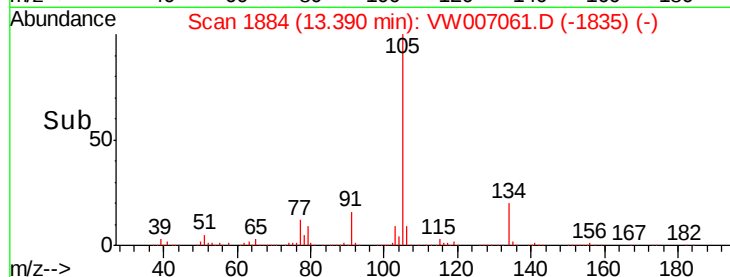
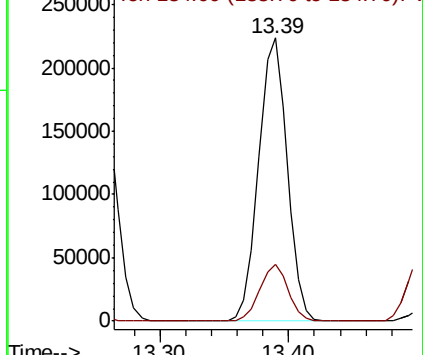
105 100

134 19.8 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.564 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

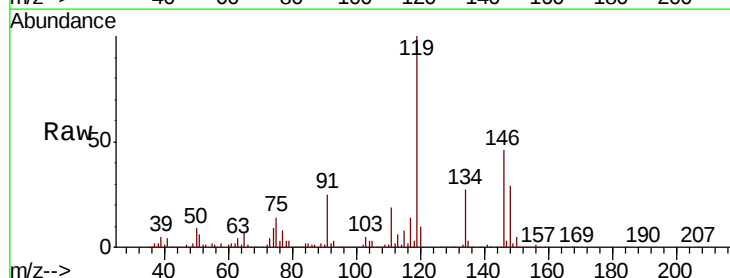
Tgt Ion:119 Resp: 307629

Ion Ratio Lower Upper

119 100

134 25.7 12.8 38.3

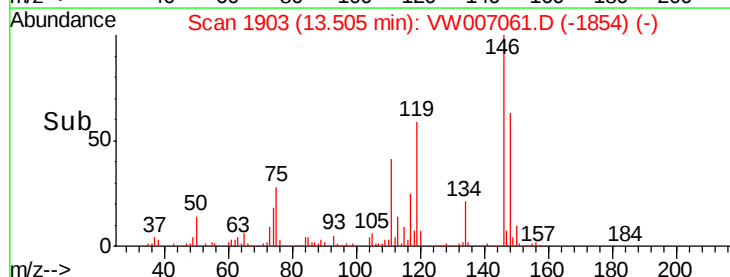
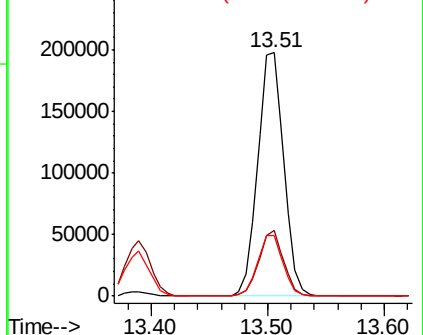
91 24.3 12.2 36.6

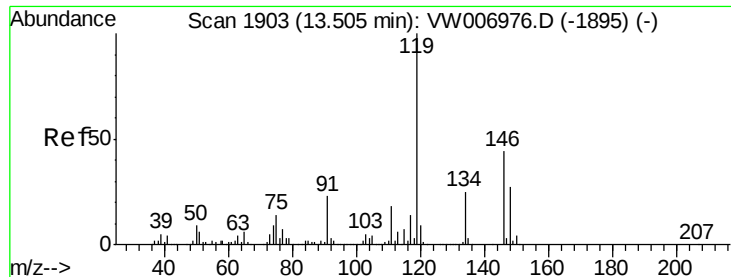


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

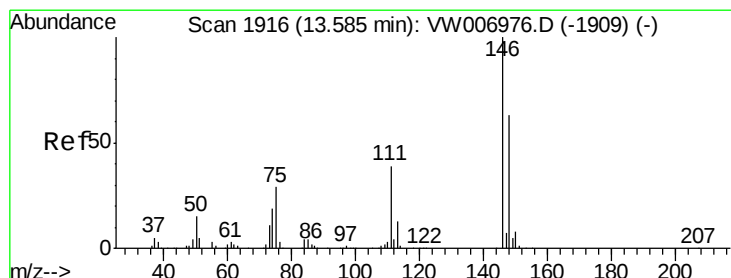
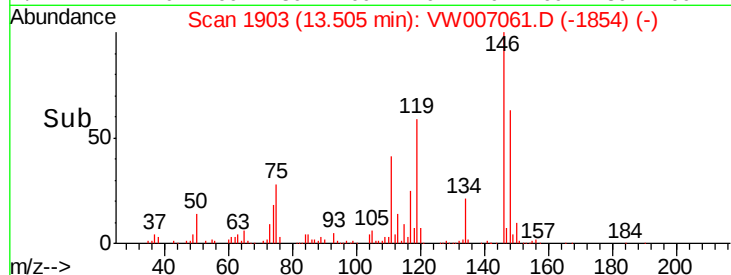
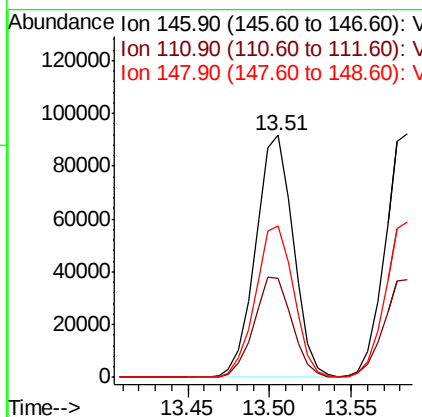
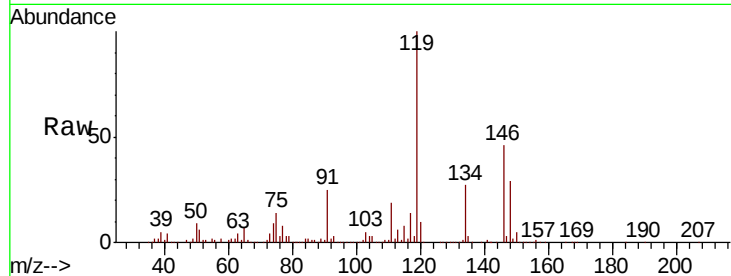




#87
 1,3-Dichlorobenzene
 Concen: 51.442 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

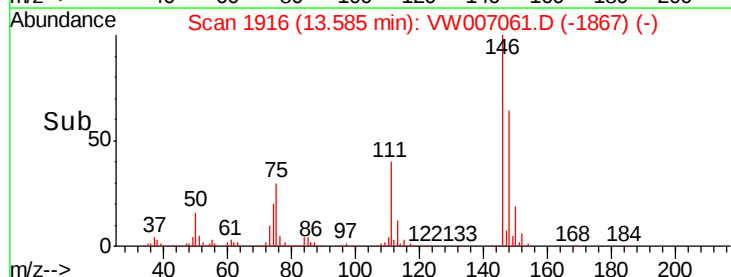
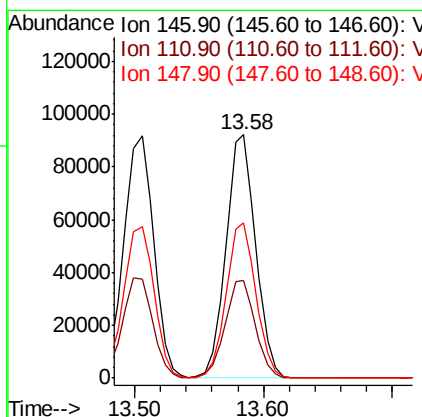
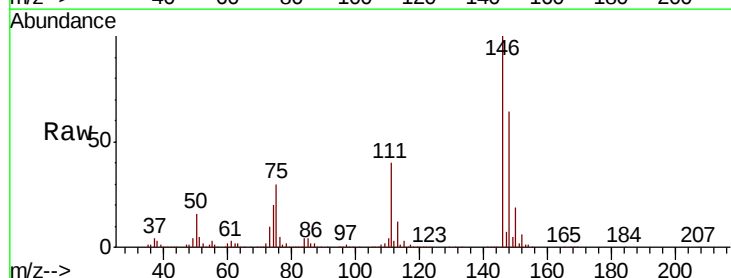
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

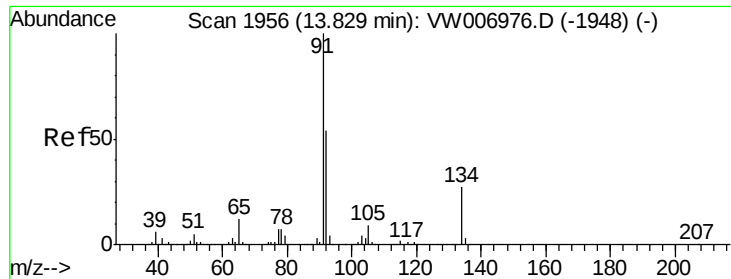
Tot Ion:146 Resp: 147070
 Ion Ratio Lower Upper
 146 100
 111 41.9 21.1 63.3
 148 63.8 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 52.263 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion:146 Resp: 148975
 Ion Ratio Lower Upper
 146 100
 111 40.9 20.6 61.8
 148 63.4 32.3 96.8





#89

n-Butylbenzene

Concen: 50.427 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.00 min

Lab File: VW007061.D

Acq: 26 Nov 2018 21:30

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050EC

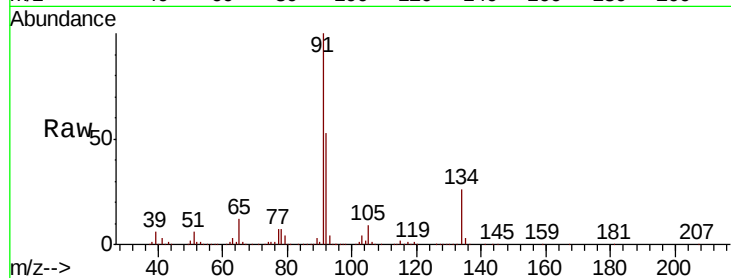
Tot Ion: 91 Resp: 288714

Ion Ratio Lower Upper

91 100

92 53.6 26.8 80.4

134 26.4 13.3 39.8

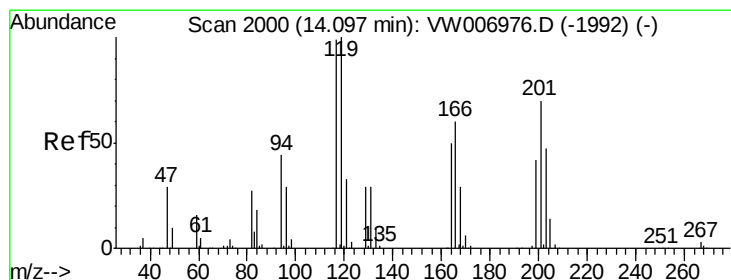
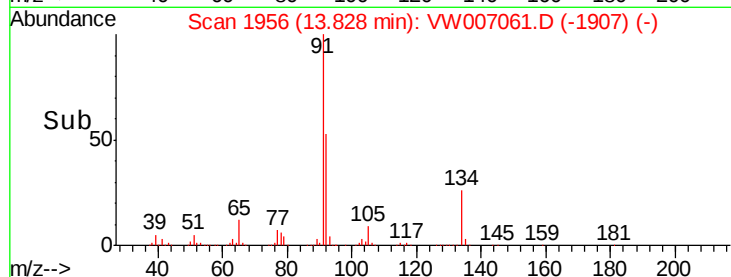
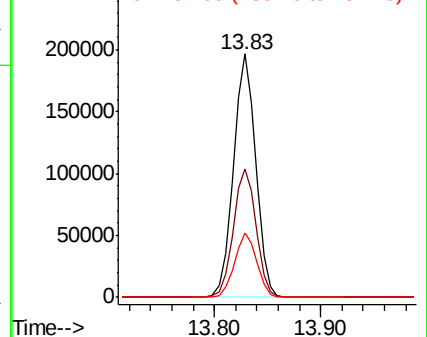


Abundance

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): V



#90

Hexachloroethane

Concen: 51.570 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW007061.D

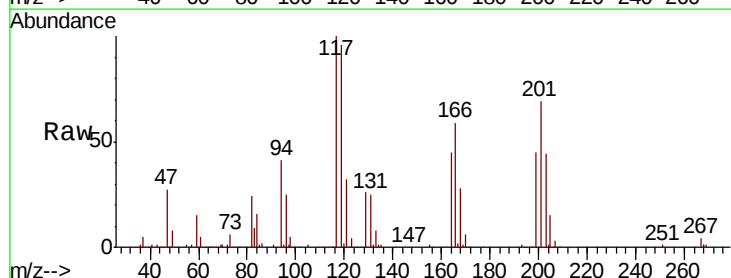
Acq: 26 Nov 2018 21:30

Tgt Ion: 117 Resp: 45806

Ion Ratio Lower Upper

117 100

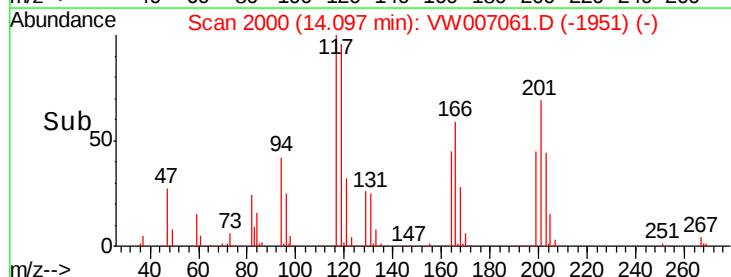
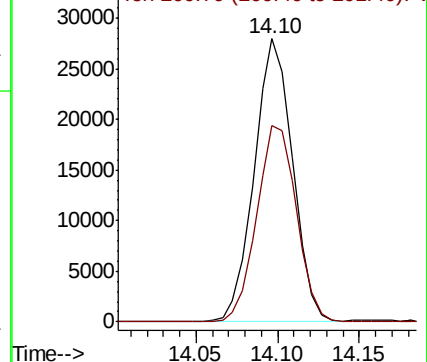
201 71.7 35.9 107.5

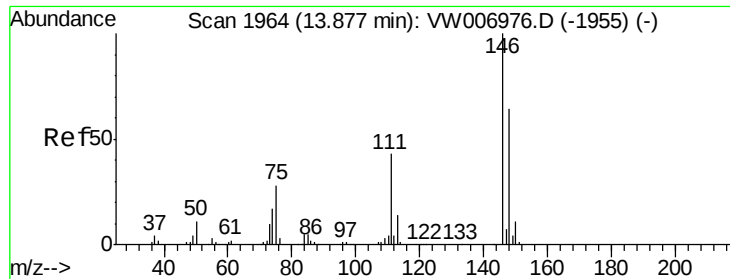


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

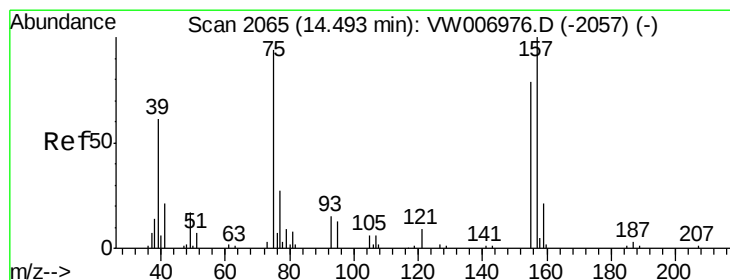
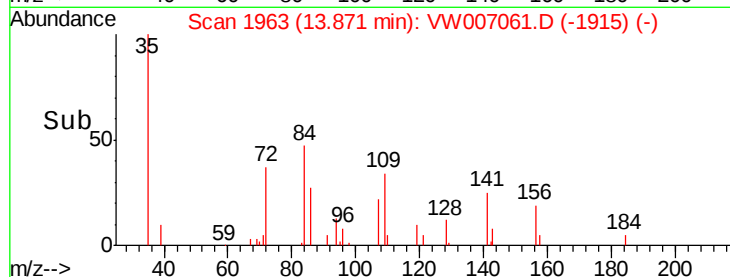
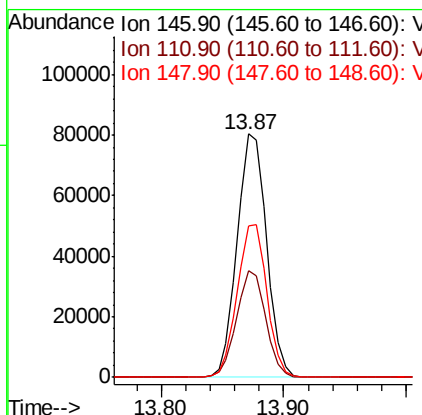
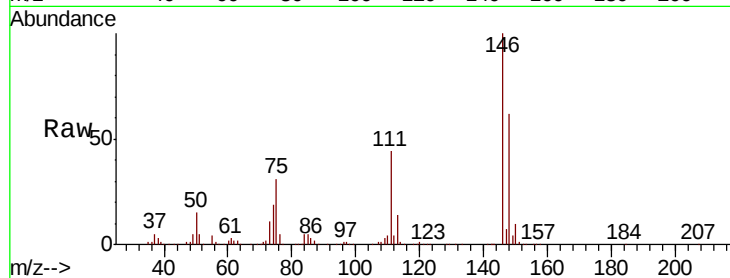




#91
 1,2-Dichlorobenzene
 Concen: 53.561 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

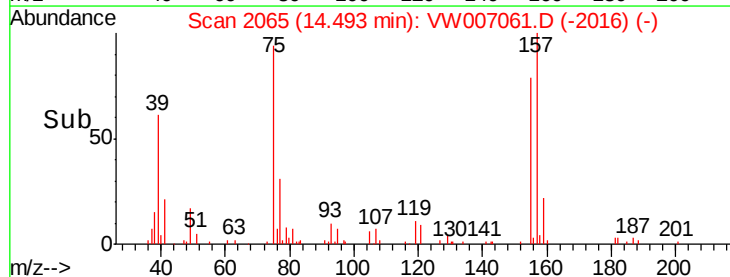
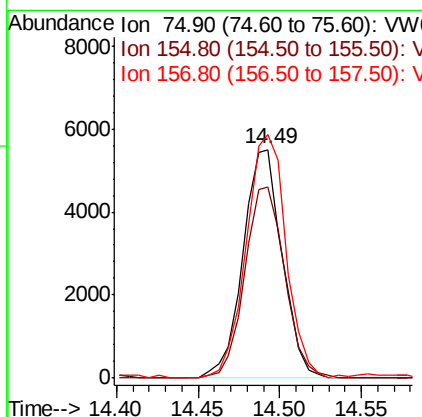
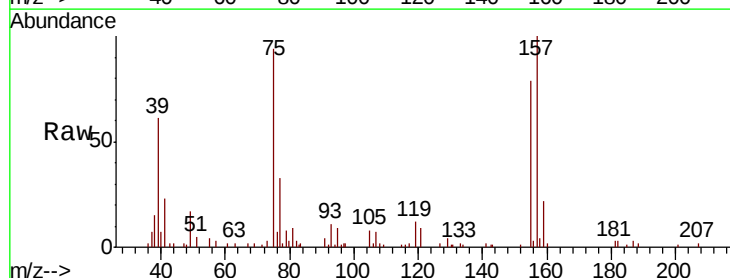
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

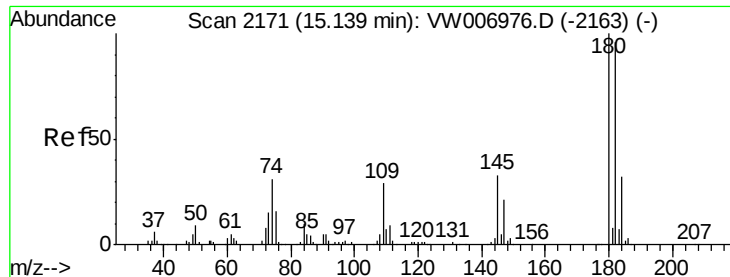
Tot Ion:146 Resp: 134176
 Ion Ratio Lower Upper
 146 100
 111 43.1 21.9 65.7
 148 63.1 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 62.497 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion: 75 Resp: 9159
 Ion Ratio Lower Upper
 75 100
 155 85.3 42.6 127.8
 157 108.6 55.0 165.0

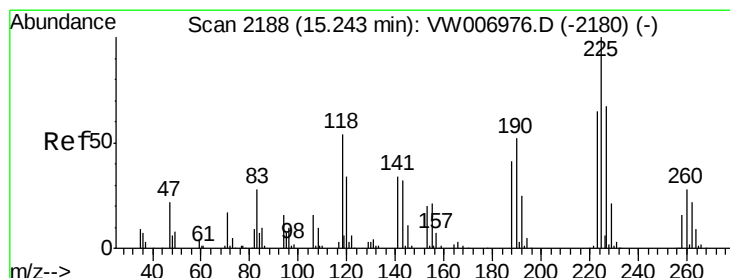
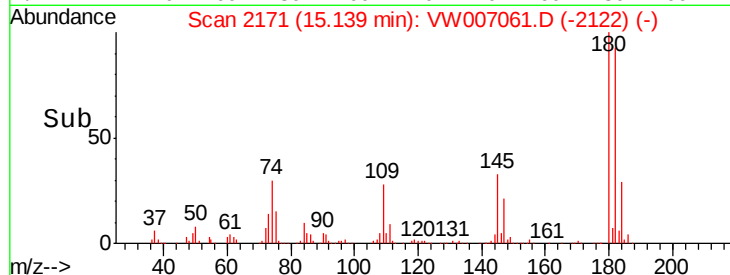
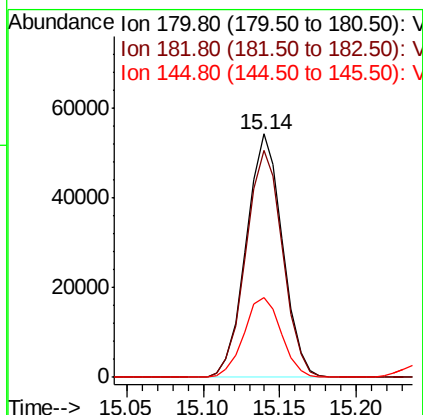
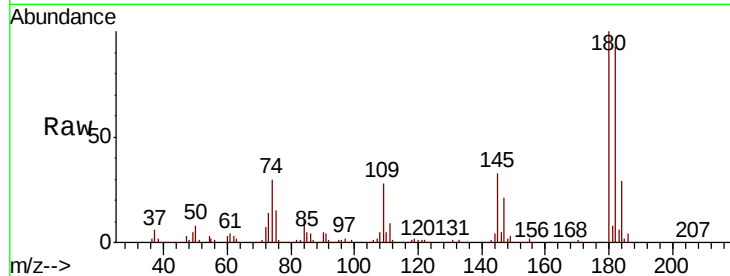




#93
 1,2,4-Trichlorobenzene
 Concen: 54.064 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

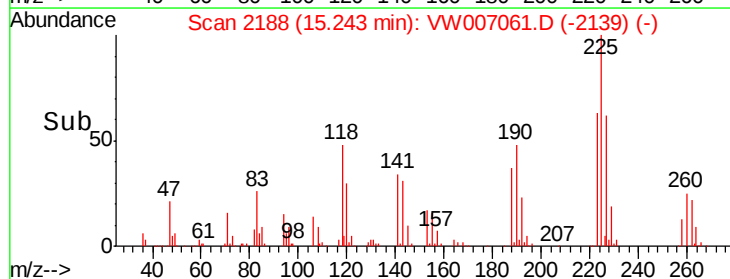
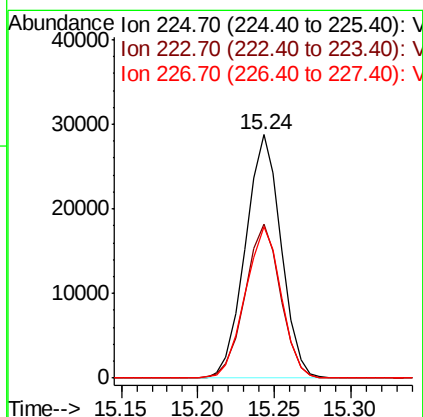
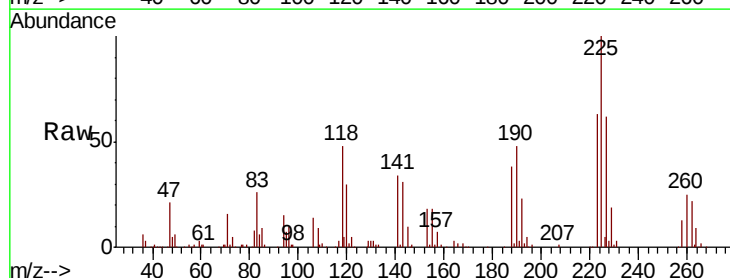
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

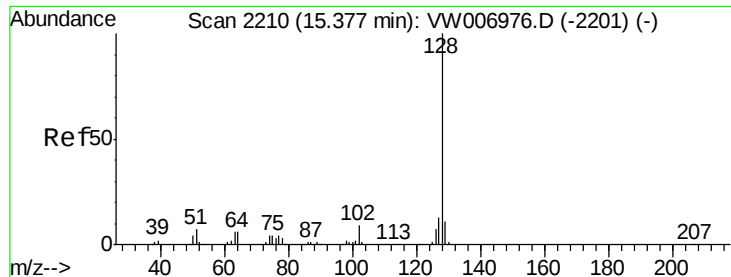
Tot Ion:180 Resp: 89308
 Ion Ratio Lower Upper
 180 100
 182 94.8 47.1 141.3
 145 34.3 16.5 49.5



#94
 Hexachlorobutadiene
 Concen: 51.879 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007061.D
 Acq: 26 Nov 2018 21:30

Tgt Ion:225 Resp: 46589
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.4 97.0
 227 62.7 31.9 95.5

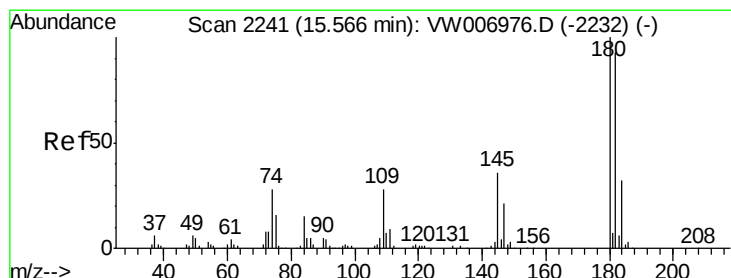
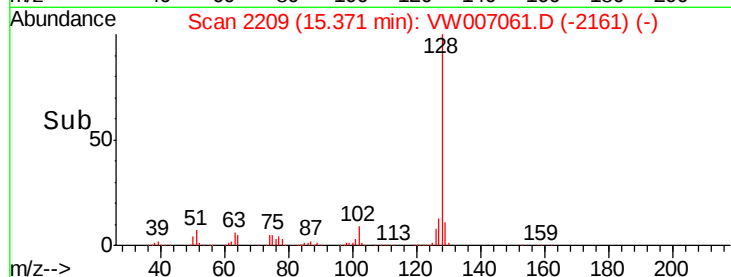
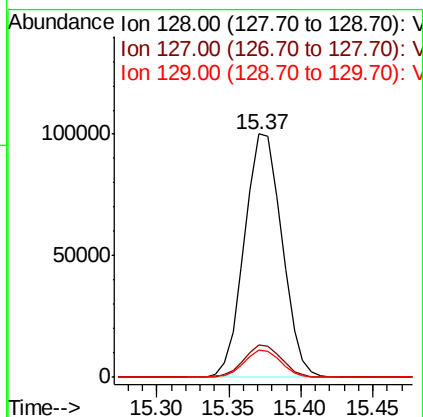
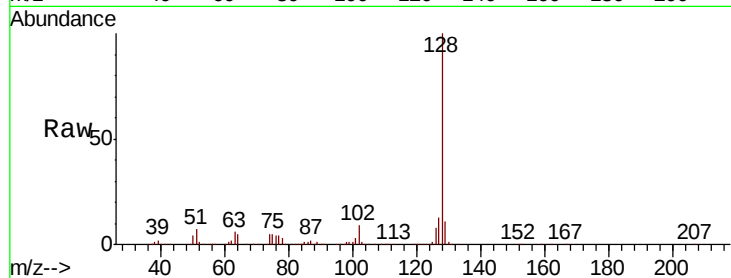




#95
Naphthalene
Concen: 60.327 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 180895
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 11.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 56.292 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW007061.D
Acq: 26 Nov 2018 21:30

Tgt Ion:180 Resp: 77147
Ion Ratio Lower Upper
180 100
182 93.5 47.0 141.2
145 36.5 18.0 54.0

