

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112218\
 Data File : VW007016.D
 Acq On : 21 Nov 2018 22:38
 Operator : VAY/AP
 Sample : VSTDCCC050EC
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Nov 22 04:40:16 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	105031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	166694	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	160599	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	80031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	52419	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	
35) Dibromofluoromethane	7.88	113	47317	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.32	98	212218	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	12.62	95	82992	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	53206	51.307	ug/l	98
3) Chloromethane	2.21	50	47593	55.071	ug/l	99
4) Vinyl Chloride	2.36	62	45998	54.097	ug/l	99
5) Bromomethane	2.78	94	25636	56.487	ug/l	95
6) Chloroethane	2.92	64	26039	55.554	ug/l	97
7) Trichlorofluoromethane	3.26	101	86906	51.978	ug/l	99
8) Diethyl Ether	3.69	74	29888	55.477	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	54050	49.864	ug/l	99
10) Methyl Iodide	4.28	142	73059	58.879	ug/l	99
11) Tert butyl alcohol	5.20	59	21483	320.931	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	49796	52.380	ug/l	99
13) Acrolein	3.90	56	18238	265.301	ug/l	99
14) Allyl chloride	4.68	41	85679	54.336	ug/l	100
15) Acrylonitrile	5.37	53	62805	310.167	ug/l	100
16) Acetone	4.14	43	45338	303.683	ug/l	99
17) Carbon Disulfide	4.39	76	170238	55.388	ug/l	97
18) Methyl Acetate	4.68	43	30064	56.548	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	148343	59.760	ug/l	98
20) Methylene Chloride	4.92	84	66435	56.546	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	58617	52.930	ug/l	96
22) Diisopropyl ether	6.32	45	177009	57.675	ug/l	98
23) Vinyl Acetate	6.26	43	494642	303.496	ug/l	100
24) 1,1-Dichloroethane	6.22	63	100673	53.920	ug/l	98
25) 2-Butanone	7.18	43	78030	305.163	ug/l	100
26) 2,2-Dichloropropane	7.17	77	85829	51.120	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	65619	55.641	ug/l	99
28) Bromochloromethane	7.51	49	37119	53.193	ug/l	96
29) Tetrahydrofuran	7.54	42	50340	303.979	ug/l	98
30) Chloroform	7.68	83	106392	53.637	ug/l	100
31) Cyclohexane	7.96	56	97781	49.375	ug/l	100
32) 1,1,1-Trichloroethane	7.88	97	95174	53.270	ug/l	99
36) 1,1-Dichloropropene	8.09	75	87149	53.500	ug/l	99
37) Ethyl Acetate	7.26	43	35545	60.216	ug/l	98
38) Carbon Tetrachloride	8.07	117	82265	52.738	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	107266	52.620	ug/l	97
40) Benzene	8.32	78	247223	56.224	ug/l	98
41) Methacrylonitrile	7.49	41	21417	58.423	ug/l	98
42) 1,2-Dichloroethane	8.40	62	70317	55.081	ug/l	99
43) Isopropyl Acetate	8.43	43	69133	61.458	ug/l	97
44) Trichloroethene	9.09	130	69004	55.982	ug/l	95
45) 1,2-Dichloropropane	9.37	63	61212	56.473	ug/l	99
46) Dibromomethane	9.46	93	31360	57.774	ug/l	98
47) Bromodichloromethane	9.65	83	80358	56.189	ug/l	98
48) Methyl methacrylate	9.44	41	33862	62.430	ug/l	100
49) 1,4-Dioxane	9.46	88	10278	1273.956	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	176800	311.011	ug/l	100
52) Toluene	10.39	92	171006	57.146	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	81665	58.947	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	96199	57.475	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45589	57.085	ug/l	98
56) Ethyl methacrylate	10.65	69	58895	63.532	ug/l	99
57) 1,3-Dichloropropane	10.93	76	78807	58.885	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	121639	251.107	ug/l	99
59) 2-Hexanone	10.97	43	124473	319.750	ug/l	100
60) Dibromochloromethane	11.13	129	54673	60.081	ug/l	98
61) 1,2-Dibromoethane	11.24	107	44369	60.733	ug/l	100
64) Tetrachloroethene	10.87	164	58591	56.710	ug/l	97
65) Chlorobenzene	11.66	112	189508	56.537	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	58105	57.303	ug/l	99
67) Ethyl Benzene	11.73	91	341614	55.477	ug/l	98
68) m/p-Xylenes	11.84	106	266715	110.402	ug/l	99
69) o-Xylene	12.17	106	126986	55.745	ug/l	100
70) Styrene	12.18	104	207619	57.265	ug/l	99
71) Bromoform	12.35	173	29337	61.417	ug/l #	99
73) Isopropylbenzene	12.47	105	342797	55.113	ug/l	100
74) N-amyl acetate	12.27	43	66193	63.498	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.72	83	49930	60.319	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	68430	108.813	ug/l #	100
77) Bromobenzene	12.75	156	76840	57.518	ug/l	99
78) n-propylbenzene	12.81	91	409662	54.374	ug/l	100
79) 2-Chlorotoluene	12.90	91	240458	55.352	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	295918	55.017	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14968	59.755	ug/l	98
82) 4-Chlorotoluene	12.99	91	251065	55.073	ug/l	100
83) tert-Butylbenzene	13.21	119	254148	54.576	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	298618	55.725	ug/l	98
85) sec-Butylbenzene	13.39	105	356291	54.158	ug/l	99
86) p-Isopropyltoluene	13.51	119	316272	54.494	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	152483	55.909	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	153164	56.326	ug/l	99
89) n-Butylbenzene	13.83	91	299359	54.810	ug/l	100
90) Hexachloroethane	14.10	117	47777	56.385	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	136308	57.038	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	8842	63.246	ug/l	97

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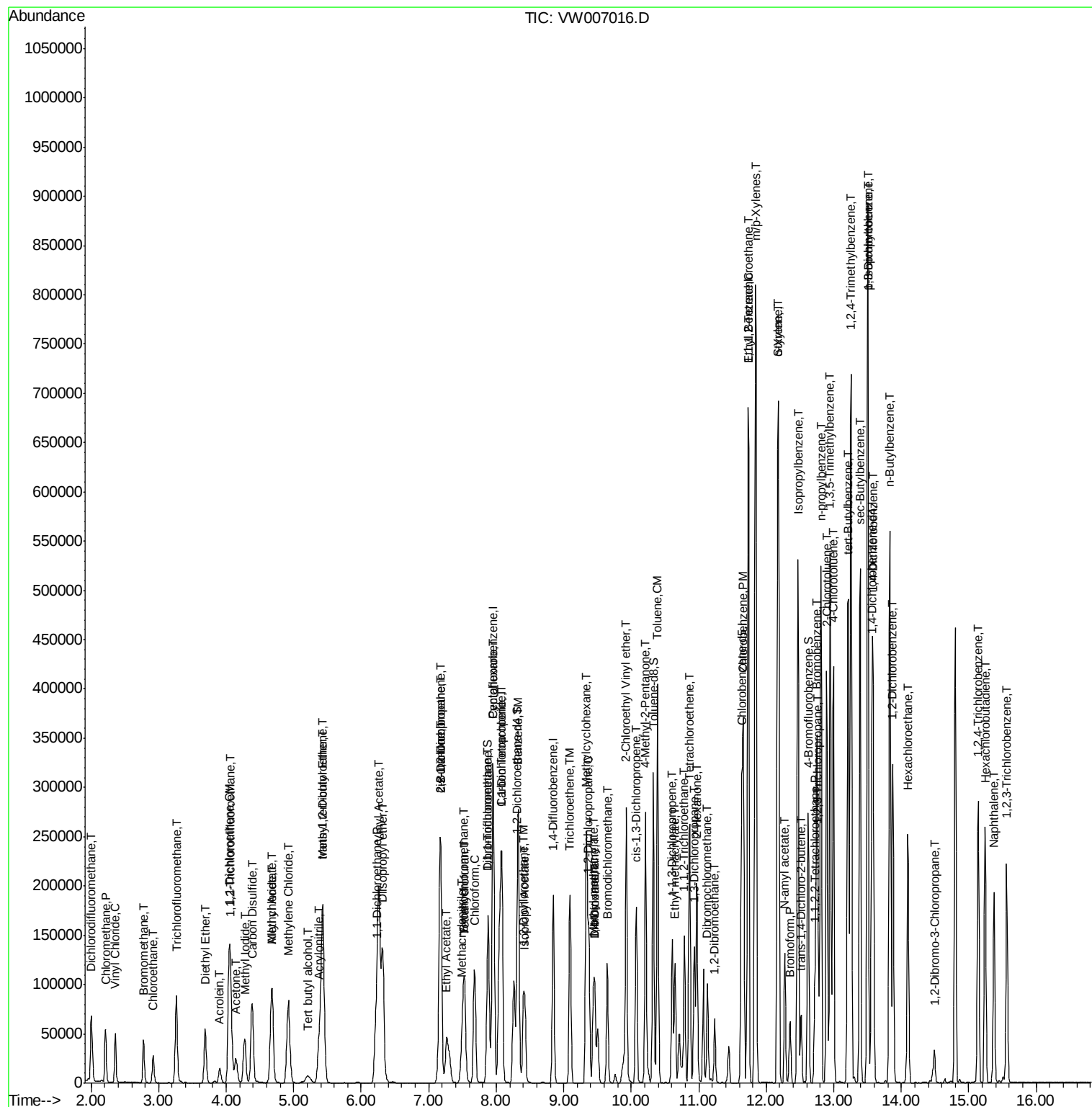
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	88189	55.963	ug/l	99
94) Hexachlorobutadiene	15.24	225	46716	54.532	ug/l	98
95) Naphthalene	15.38	128	171141	59.829	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	75931	58.079	ug/l	99

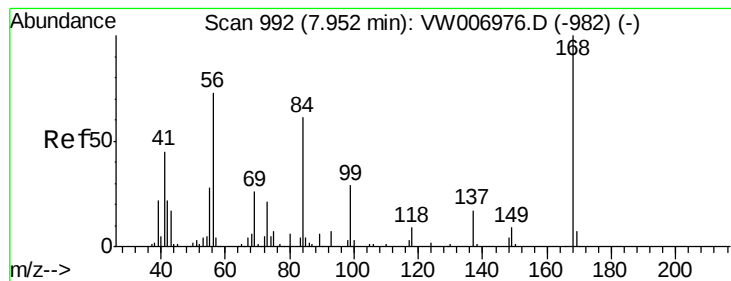
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 21 23:08:12 2018
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Quant Title : SW846 8260
QLast Update : Wed Nov 21 03:23:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

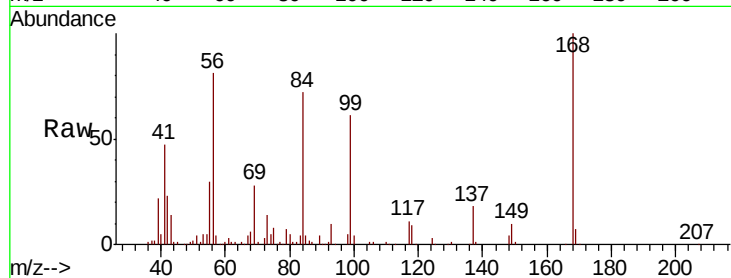
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 105031

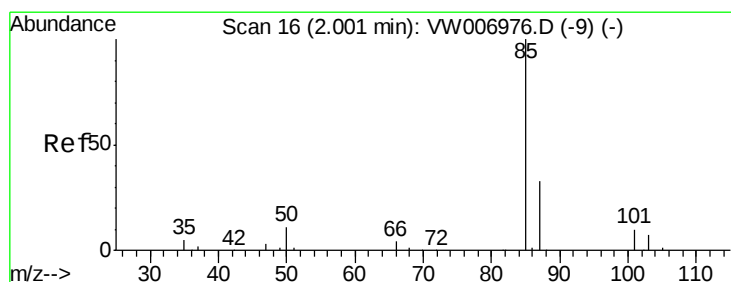
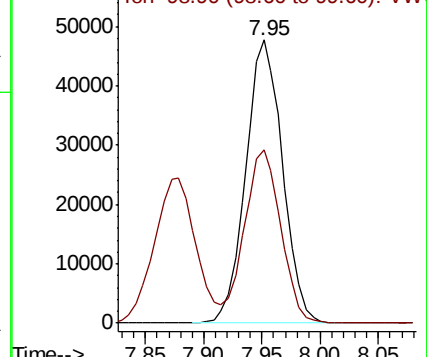
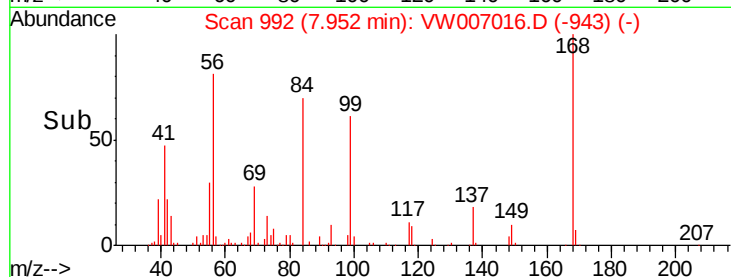
Ion Ratio Lower Upper

168 100

99 61.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW007016.D (-943) (-)



#2

Dichlorodifluoromethane

Concen: 51.307 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW007016.D

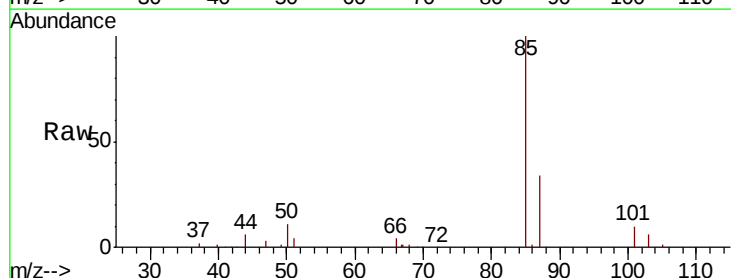
Acq: 21 Nov 2018 22:38

Tgt Ion: 85 Resp: 53206

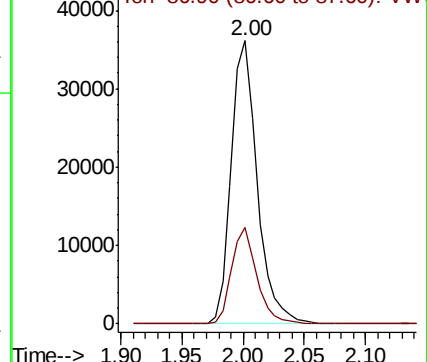
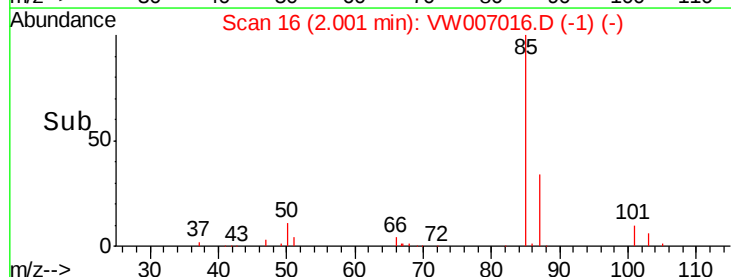
Ion Ratio Lower Upper

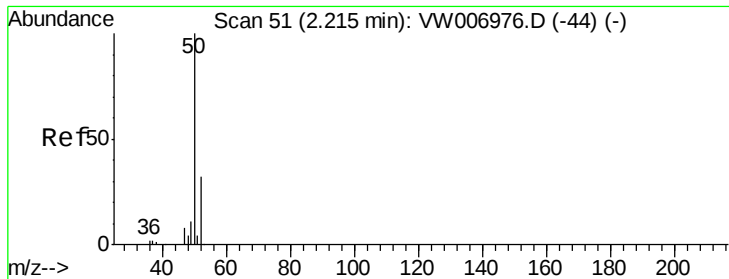
85 100

87 34.0 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW007016.D (-1) (-)





#3

Chloromethane

Concen: 55.071 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

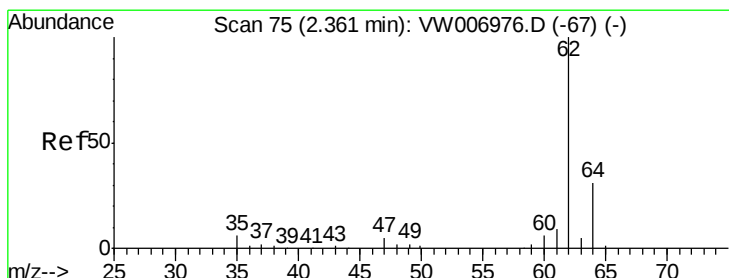
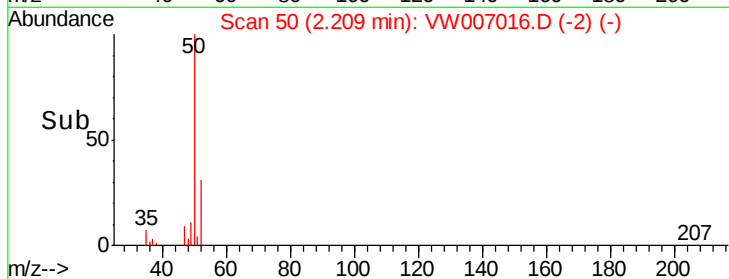
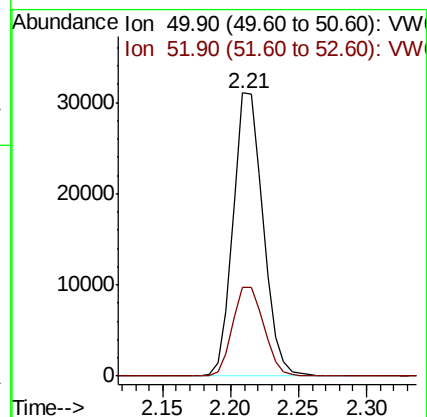
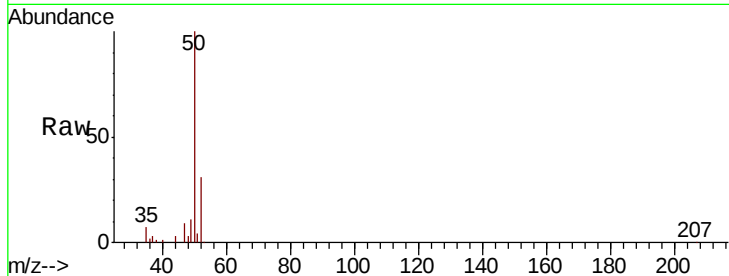
ClientSampleId :

Tot Ion: 50 Resp: 47593

Ion Ratio Lower Upper

50 100

52 31.4 25.7 38.5



#4

Vinyl Chloride

Concen: 54.097 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VW007016.D

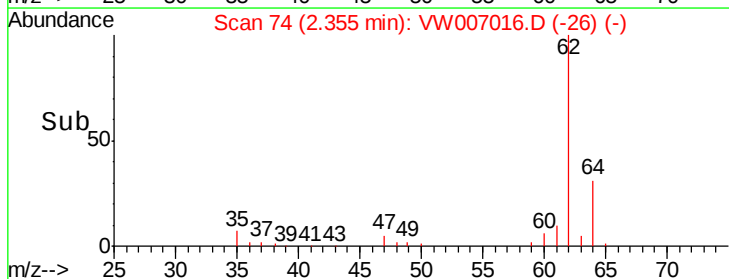
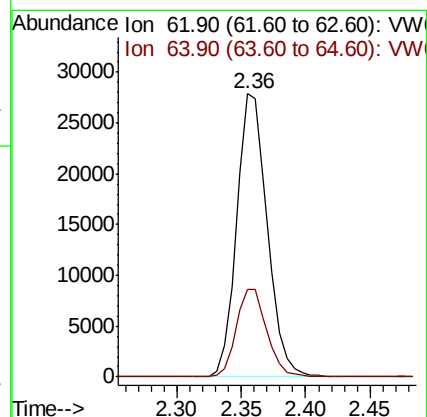
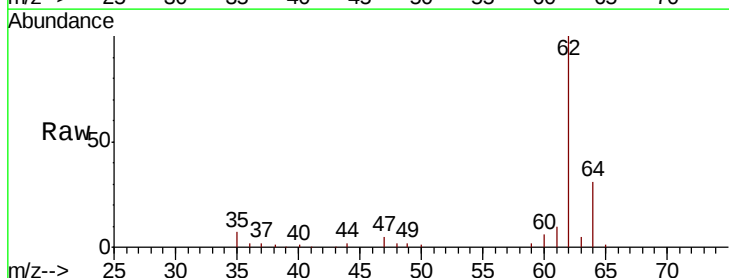
Acq: 21 Nov 2018 22:38

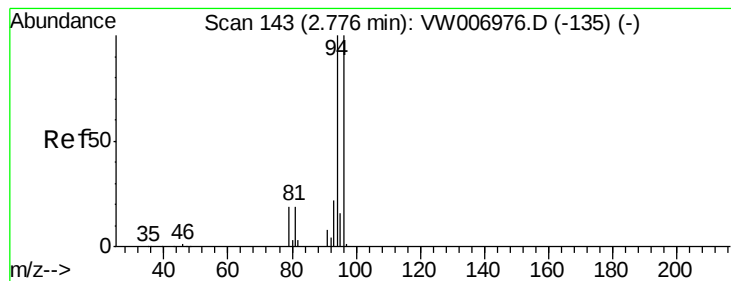
Tgt Ion: 62 Resp: 45998

Ion Ratio Lower Upper

62 100

64 30.9 25.2 37.8





#5

Bromomethane

Concen: 56.487 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

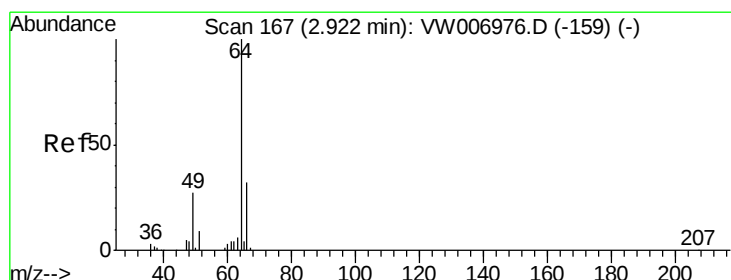
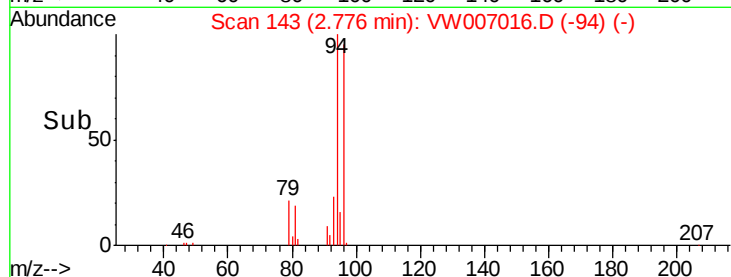
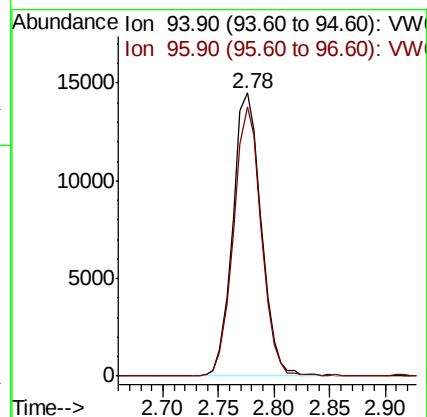
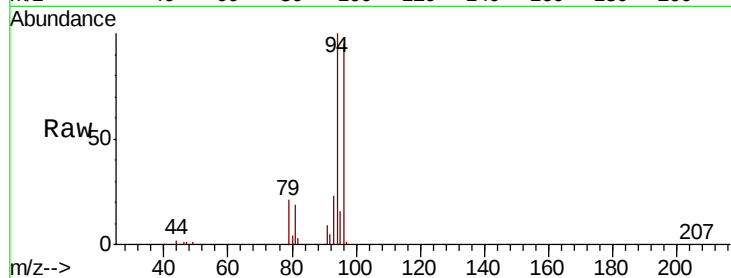
ClientSampleId :

Tot Ion: 94 Resp: 25636

Ion Ratio Lower Upper

94 100

96 95.2 80.2 120.2



#6

Chloroethane

Concen: 55.554 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW007016.D

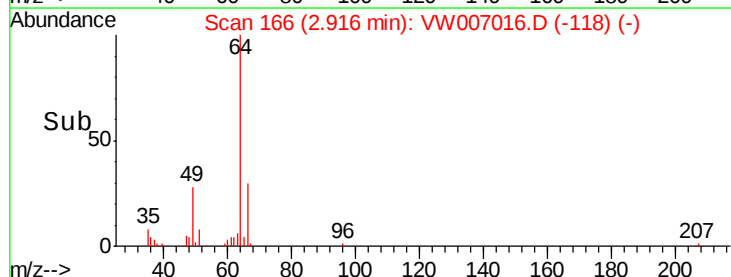
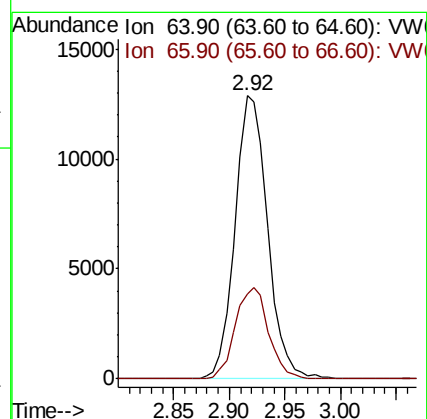
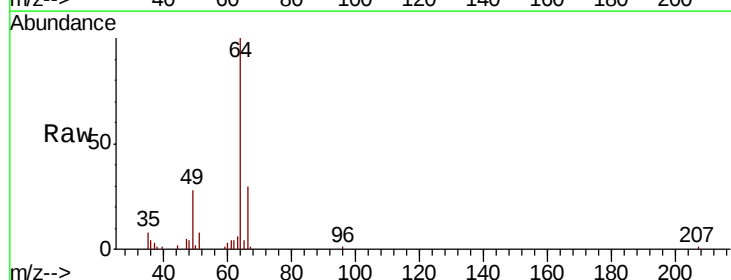
Acq: 21 Nov 2018 22:38

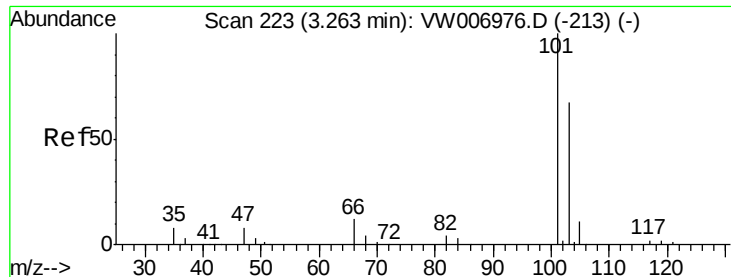
Tgt Ion: 64 Resp: 26039

Ion Ratio Lower Upper

64 100

66 29.9 25.3 37.9



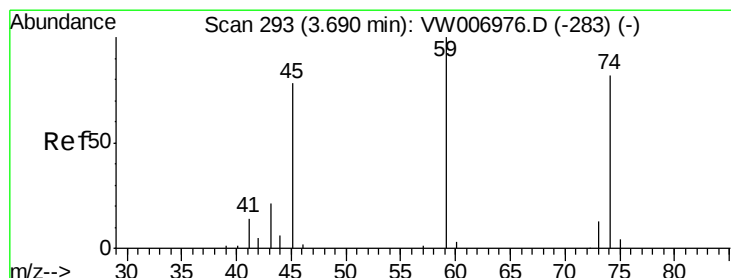
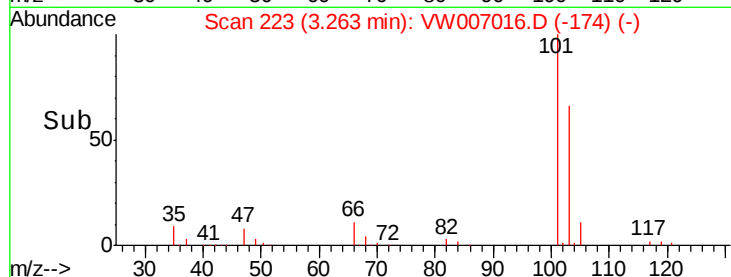
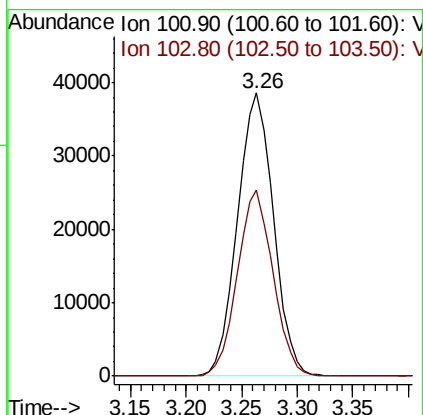
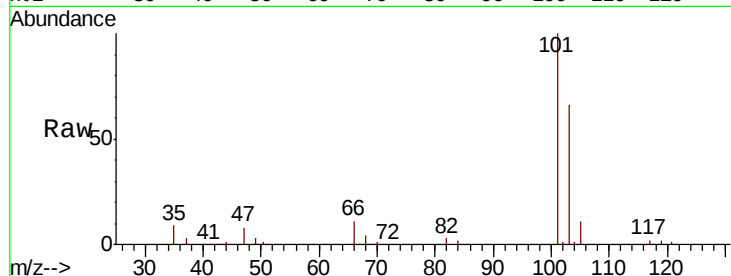


#7

Trichlorofluoromethane
 Concen: 51.978 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Instrument :
 MSVOA_W
 ClientSampleId :

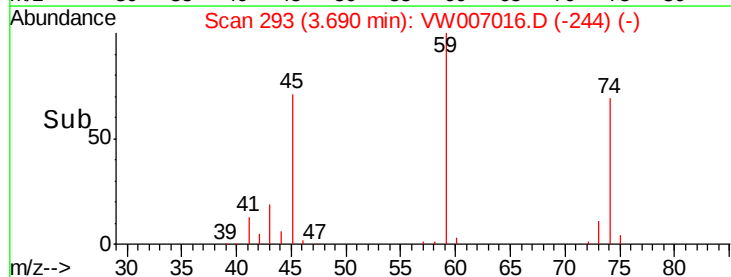
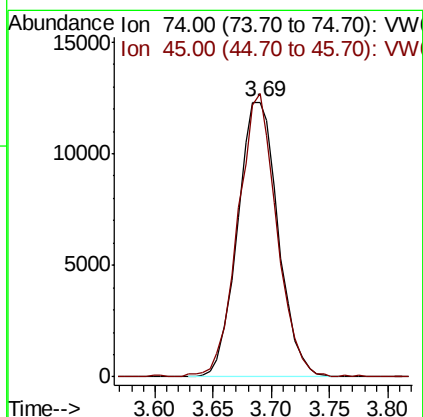
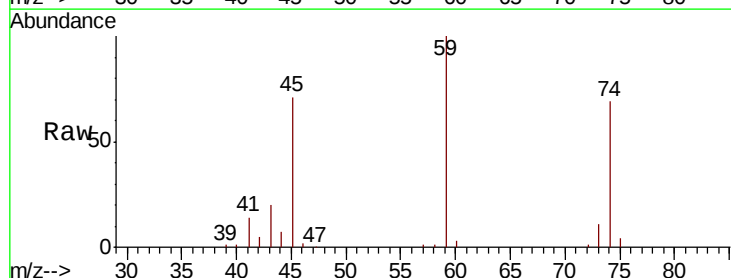
Tot Ion:101 Resp: 86906
 Ion Ratio Lower Upper
 101 100
 103 65.9 53.4 80.2

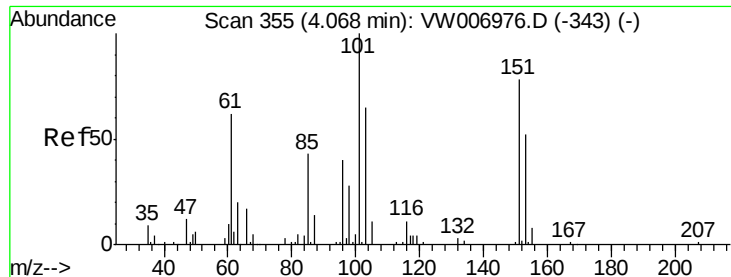


#8

Diethyl Ether
 Concen: 55.477 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Tgt Ion: 74 Resp: 29888
 Ion Ratio Lower Upper
 74 100
 45 98.6 48.4 145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.864 ug/l

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampled :

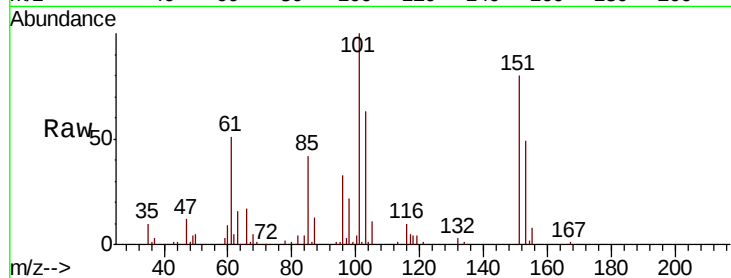
Tot Ion:101 Resp: 54050

Ion Ratio Lower Upper

101 100

85 42.5 34.3 51.5

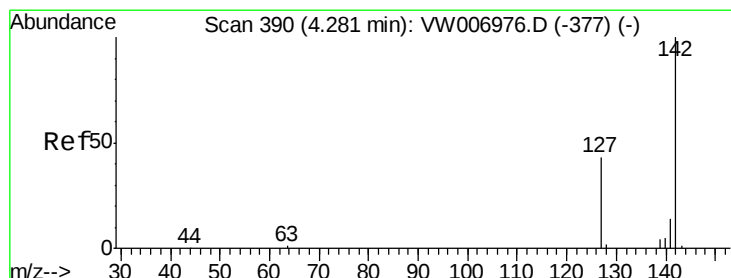
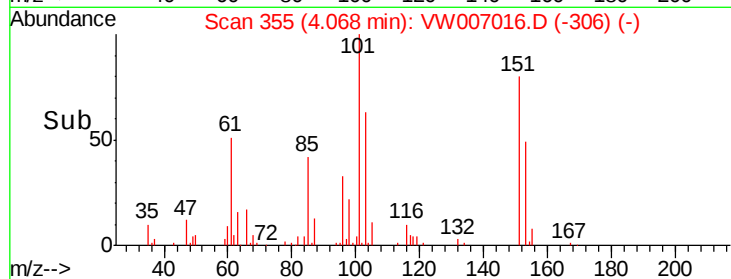
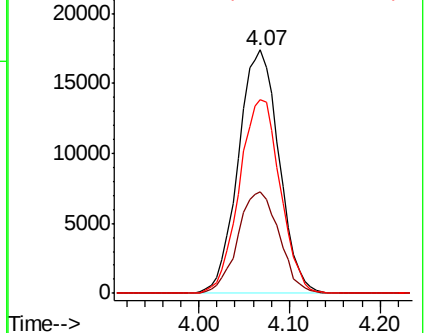
151 79.7 63.4 95.2



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: 58.879 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.01 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

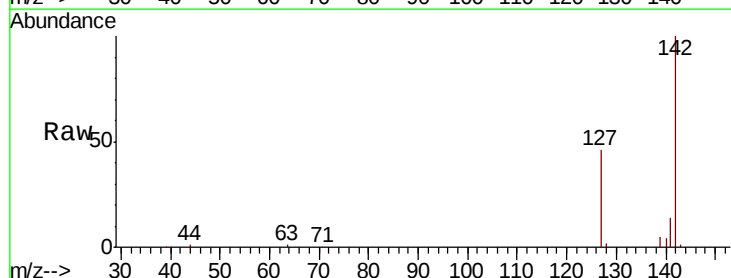
Tgt Ion:142 Resp: 73059

Ion Ratio Lower Upper

142 100

127 43.6 35.3 52.9

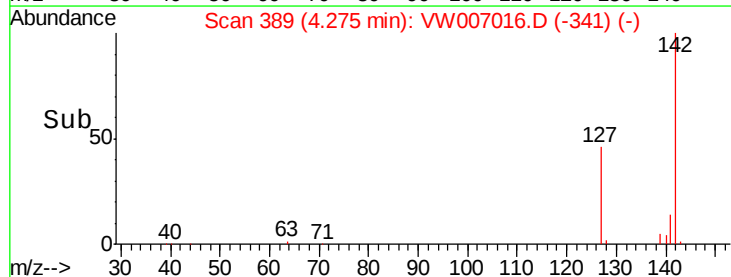
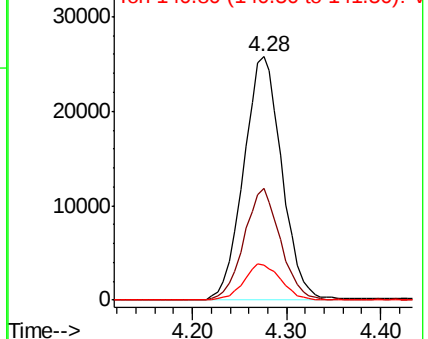
141 14.5 11.7 17.5

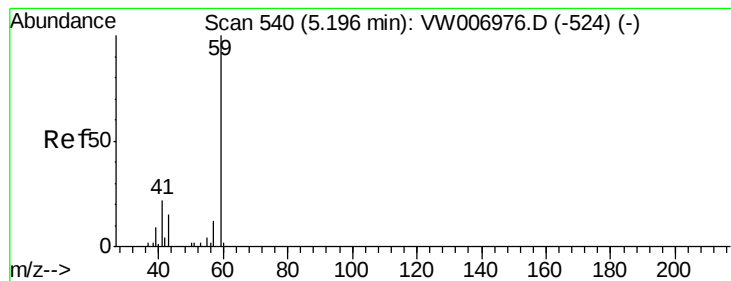


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



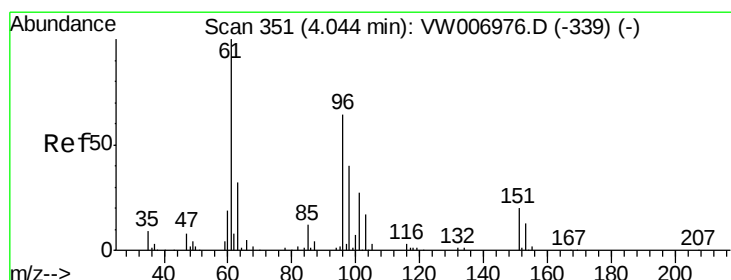
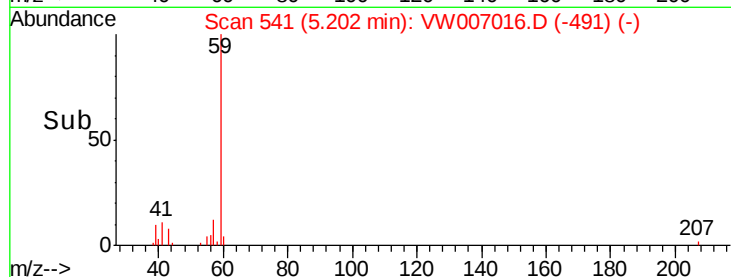
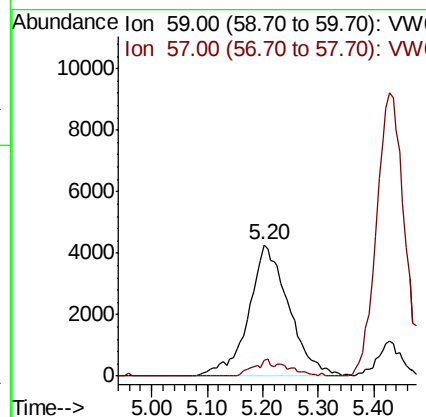
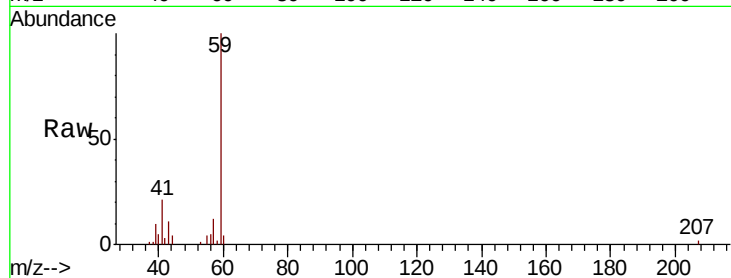


#11

Tert butyl alcohol
Concen: 320.931 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

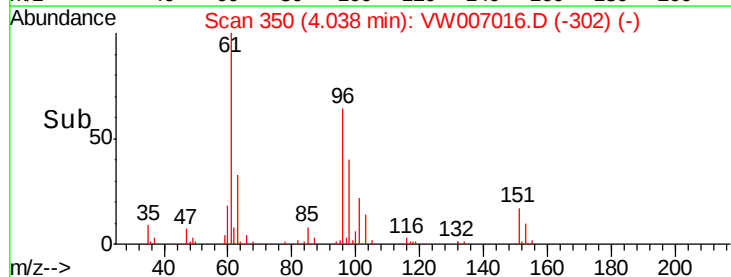
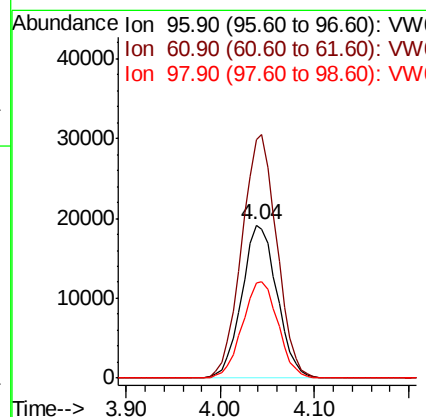
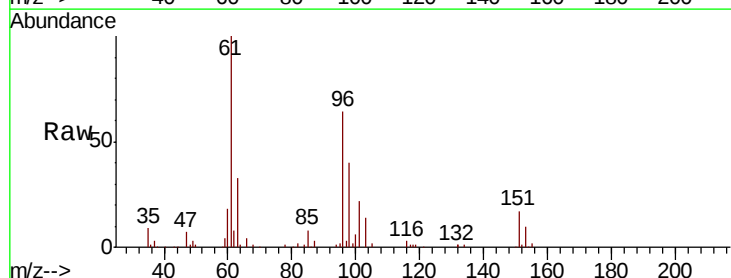
Tot Ion: 59 Resp: 21483
Ion Ratio Lower Upper
59 100
57 5.8 8.6 13.0#

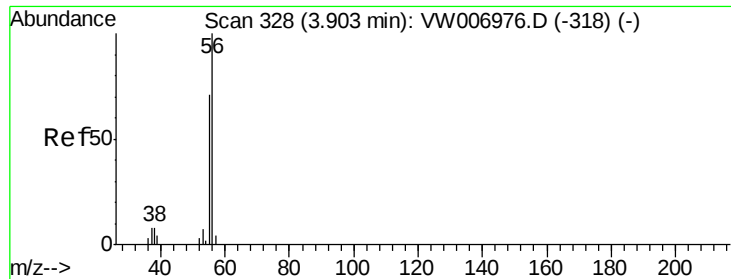


#12

1,1-Dichloroethene
Concen: 52.380 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 96 Resp: 49796
Ion Ratio Lower Upper
96 100
61 156.1 124.3 186.5
98 62.4 49.4 74.2





#13

Acrolein

Concen: 265.301 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

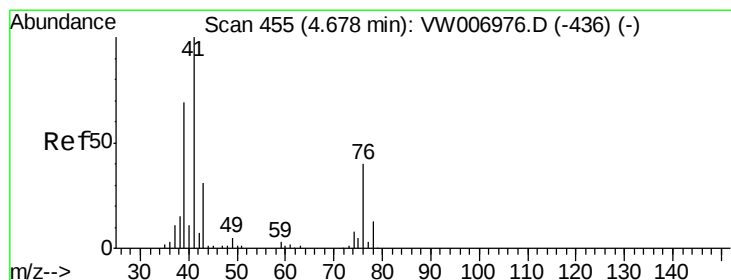
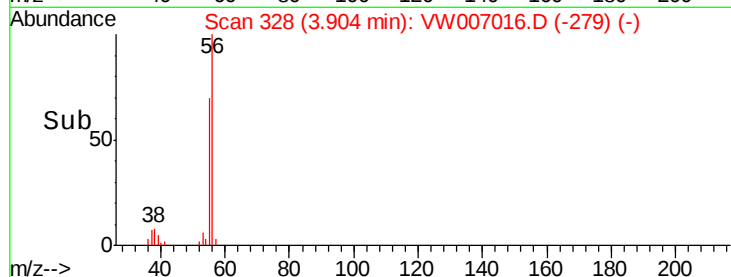
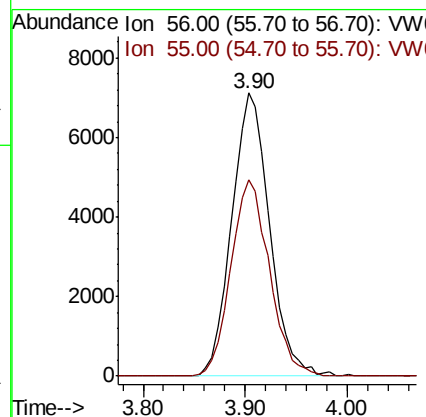
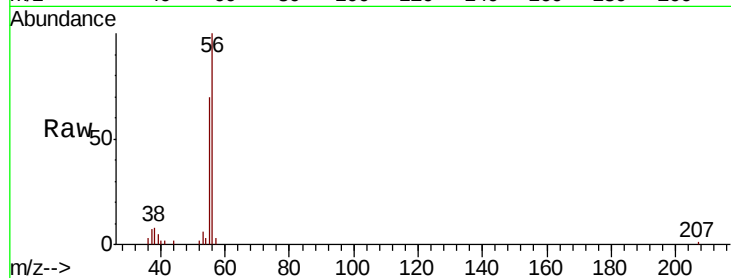
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 18238

Ion Ratio Lower Upper

56 100

55 70.8 57.5 86.3



#14

Allyl chloride

Concen: 54.336 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

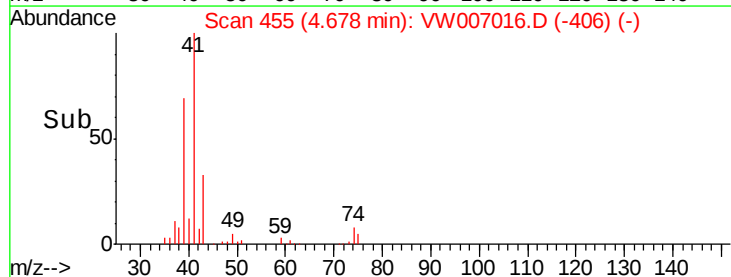
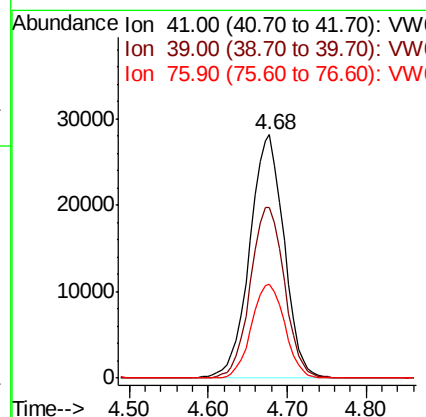
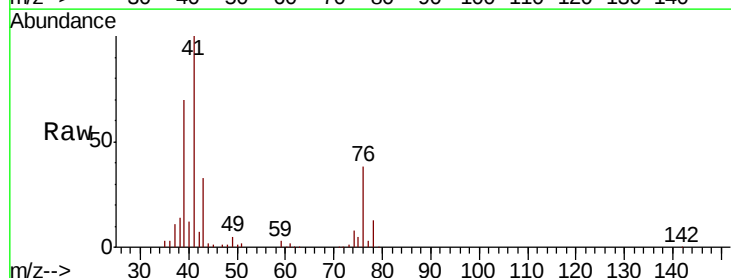
Tgt Ion: 41 Resp: 85679

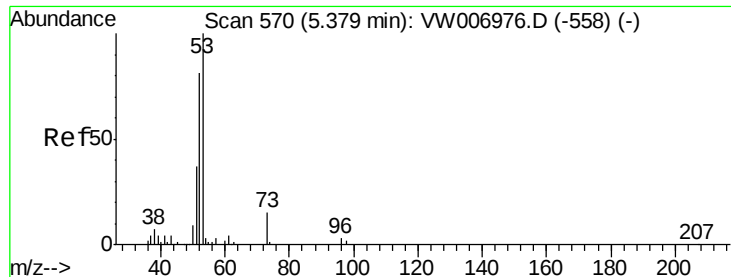
Ion Ratio Lower Upper

41 100

39 69.7 55.4 83.2

76 37.2 29.6 44.4





#15

Acrylonitrile

Concen: 310.167 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampled :

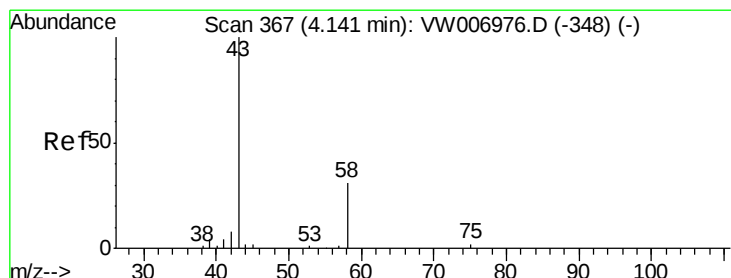
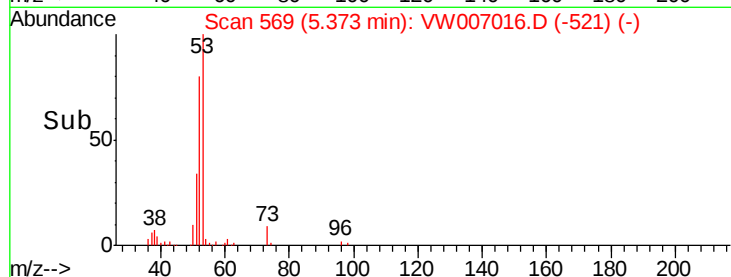
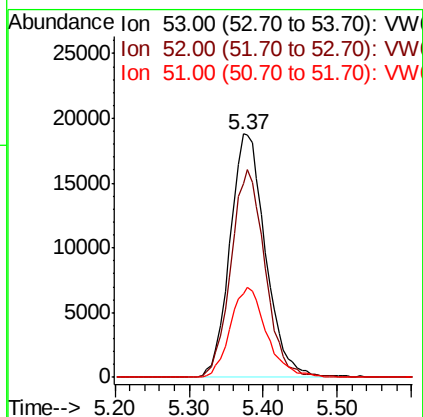
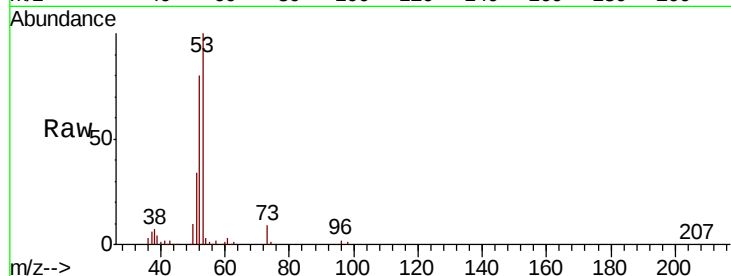
Tot Ion: 53 Resp: 62805

Ion Ratio Lower Upper

53 100

52 82.0 65.7 98.5

51 37.6 29.9 44.9



#16

Acetone

Concen: 303.683 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW007016.D

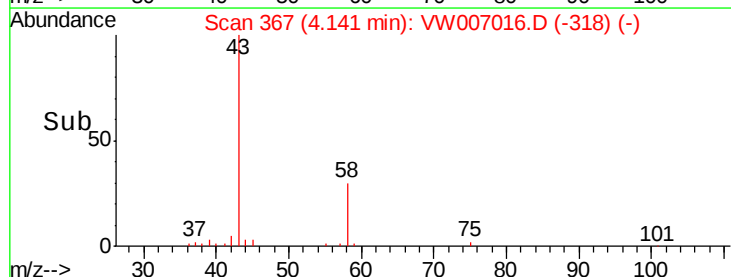
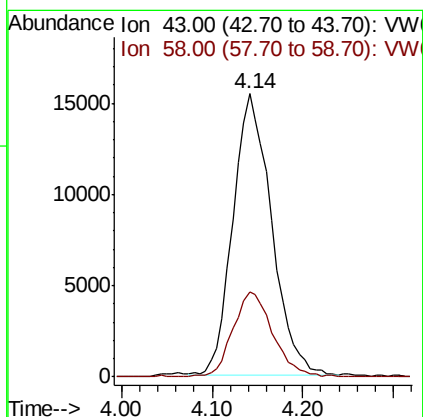
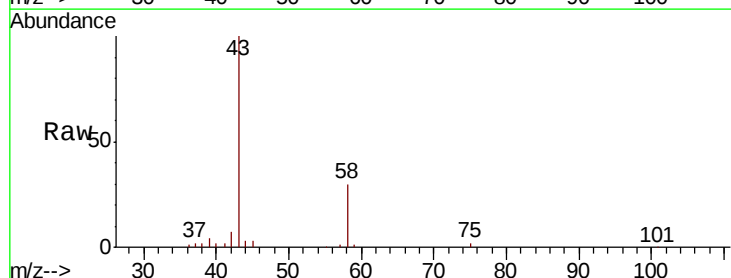
Acq: 21 Nov 2018 22:38

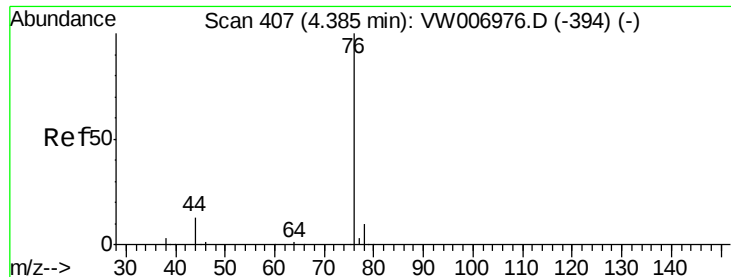
Tgt Ion: 43 Resp: 45338

Ion Ratio Lower Upper

43 100

58 30.2 24.8 37.2

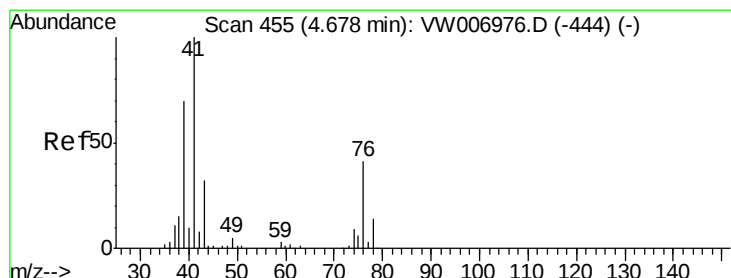
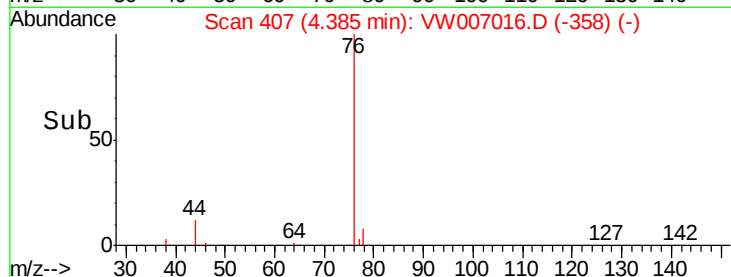
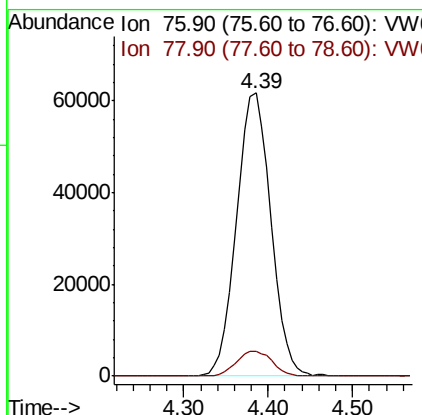
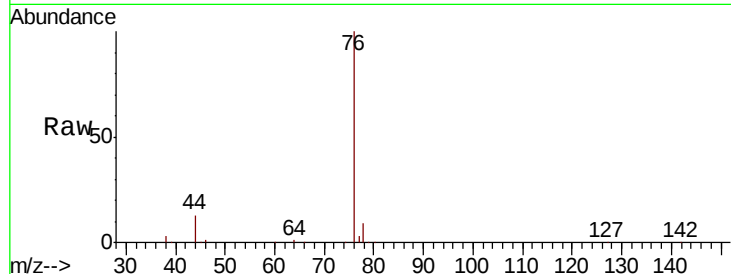




#17
Carbon Disulfide
Concen: 55.388 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

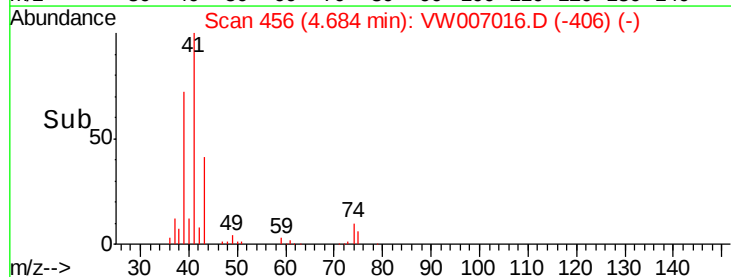
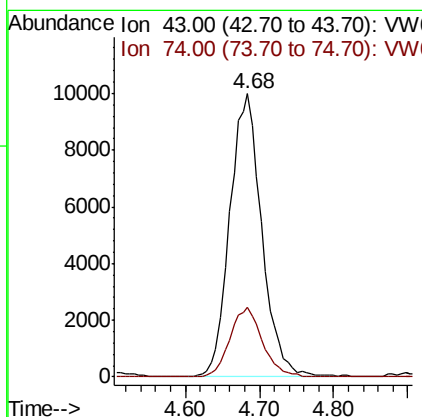
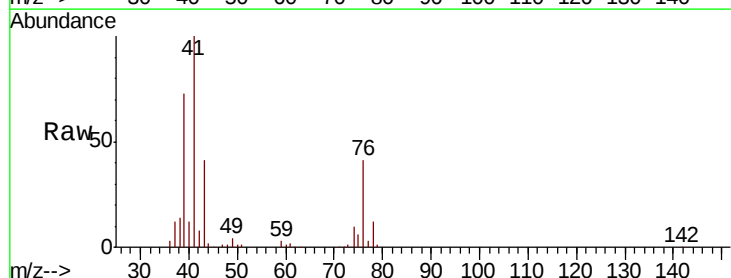
Instrument :
MSVOA_W
ClientSampled :

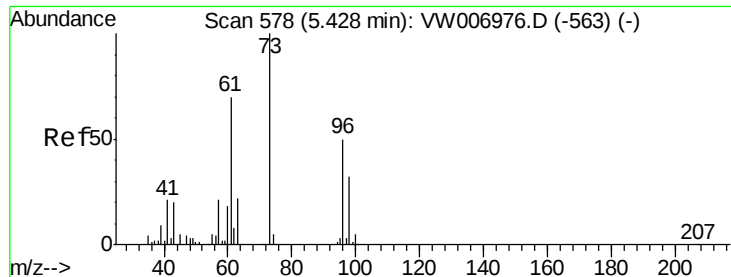
Tot Ion: 76 Resp: 170238
Ion Ratio Lower Upper
76 100
78 8.7 7.8 11.6



#18
Methyl Acetate
Concen: 56.548 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 43 Resp: 30064
Ion Ratio Lower Upper
43 100
74 24.7 20.1 30.1

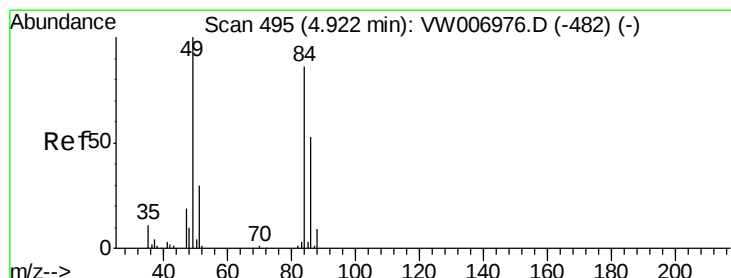
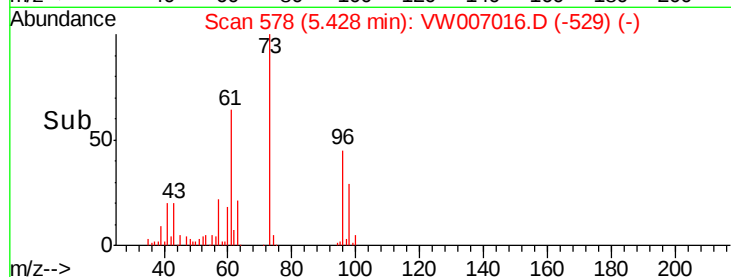
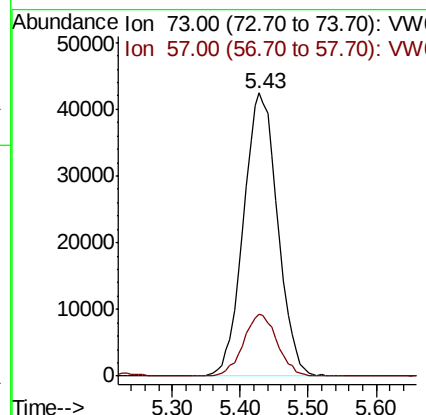
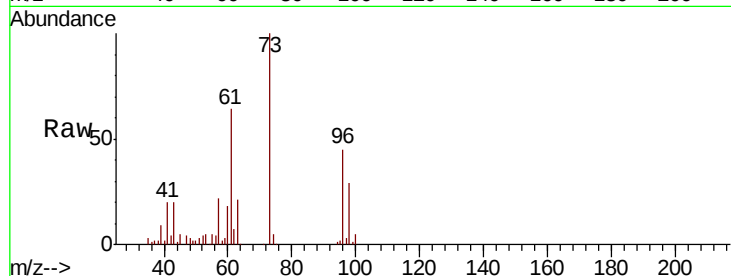




#19
Methvl tert-butvl Ether
Concen: 59.760 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

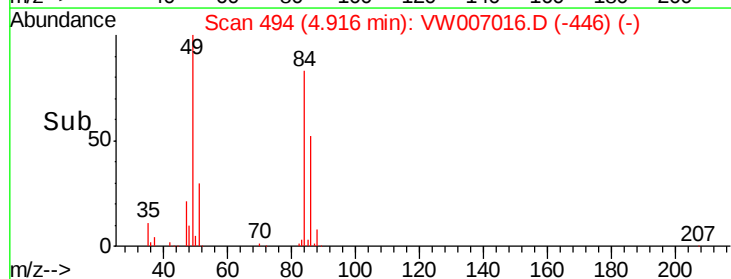
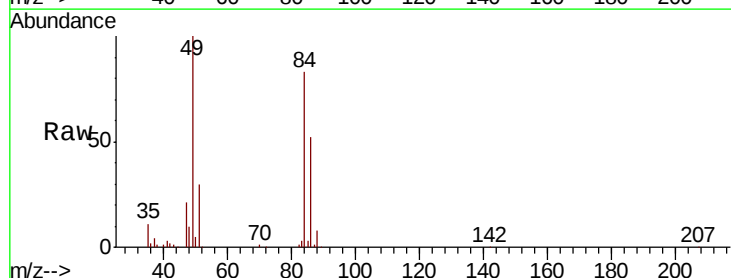
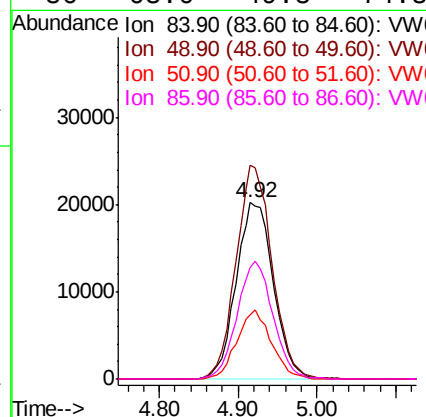
Instrument :
MSVOA_W
ClientSampled :

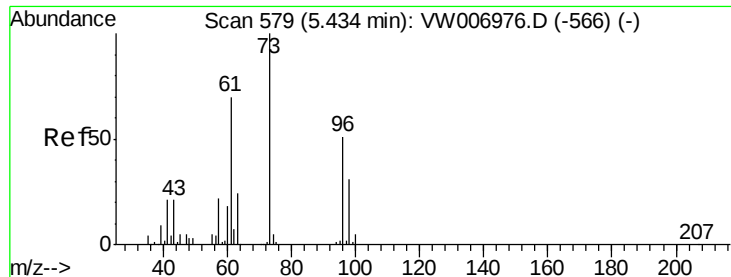
Tot Ion: 73 Resp: 148343
Ion Ratio Lower Upper
73 100
57 21.7 16.7 25.1



#20
Methylene Chloride
Concen: 56.546 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 84 Resp: 66435
Ion Ratio Lower Upper
84 100
49 120.9 93.4 140.0
51 36.6 28.4 42.6
86 63.0 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 52.930 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.01 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampleId :

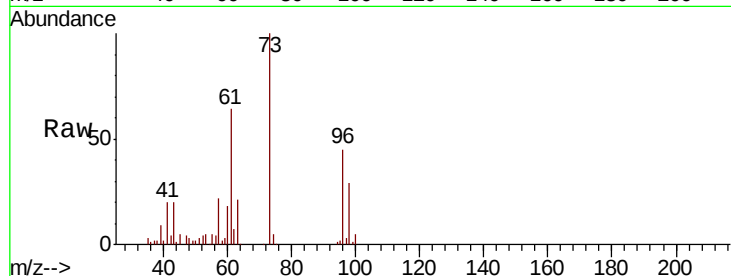
Tot Ion: 96 Resp: 58617

Ion Ratio Lower Upper

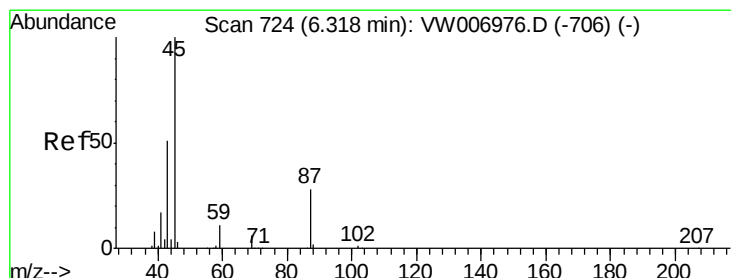
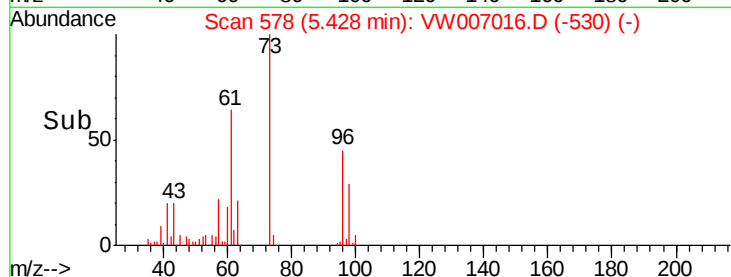
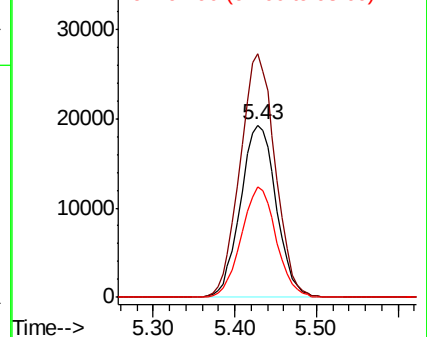
96 100

61 141.4 109.4 164.0

98 64.1 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: 57.675 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Tgt Ion: 45 Resp: 177009

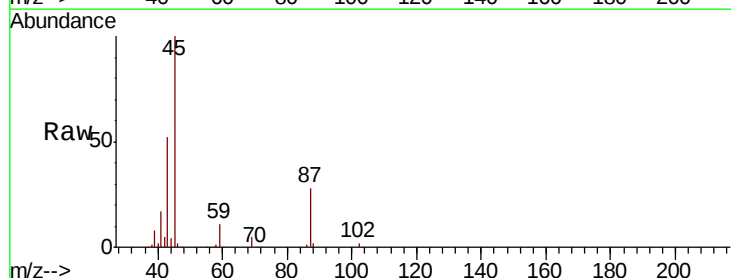
Ion Ratio Lower Upper

45 100

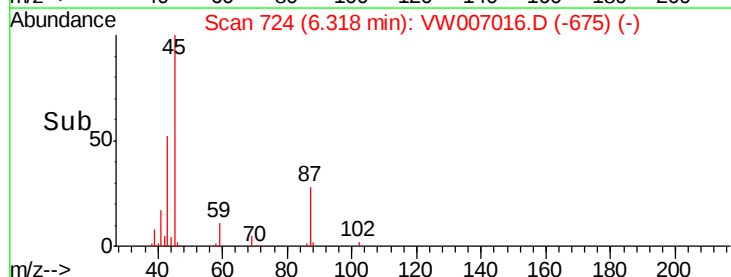
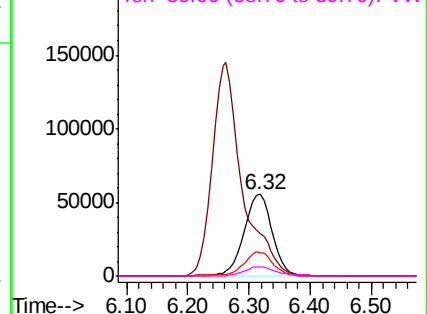
43 51.9 42.5 63.7

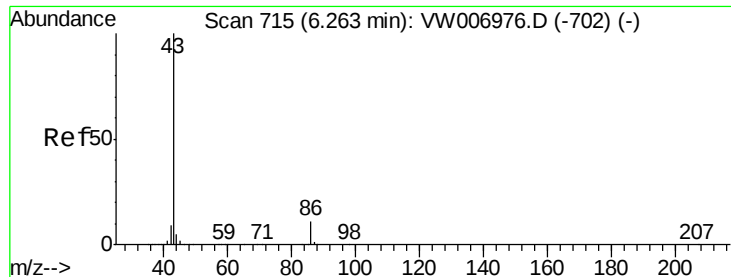
87 27.8 22.8 34.2

59 10.7 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: 303.496 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

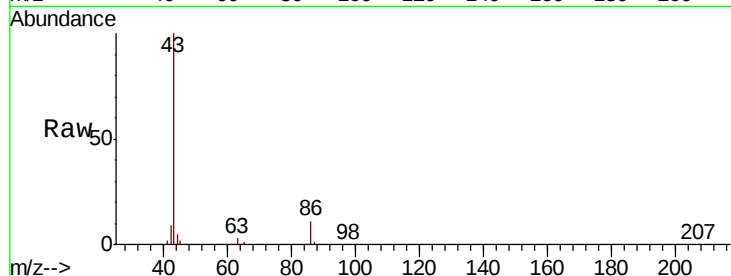
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 494642

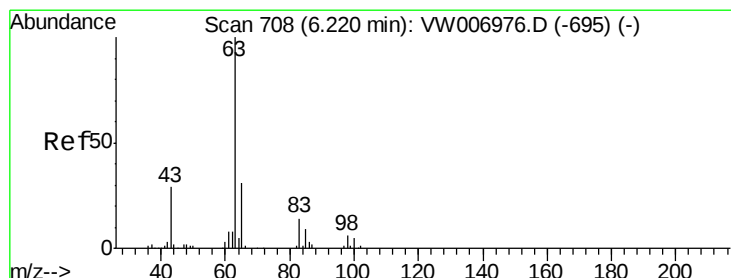
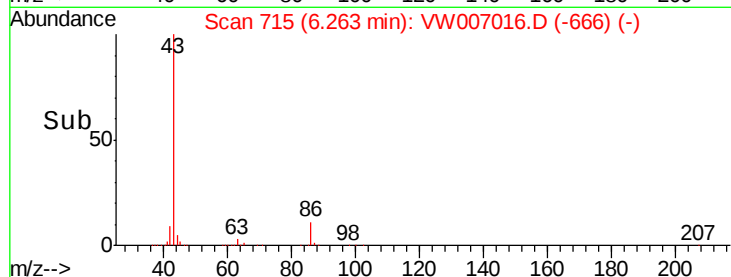
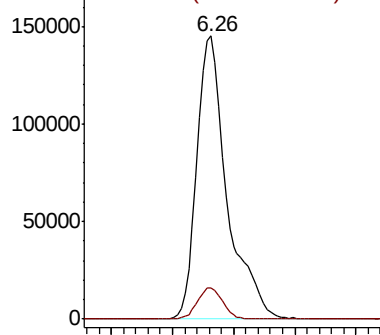
Ion Ratio Lower Upper

43 100

86 10.9 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 53.920 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

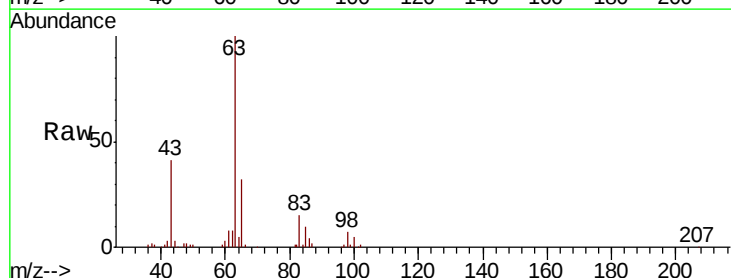
Tgt Ion: 63 Resp: 100673

Ion Ratio Lower Upper

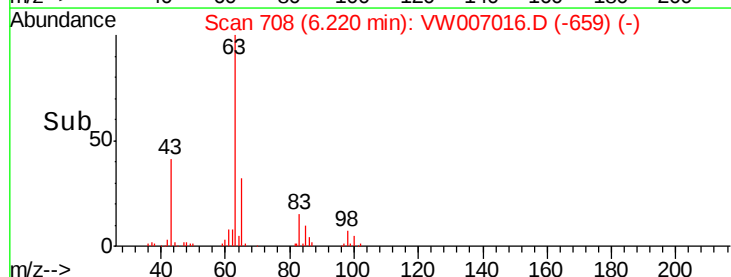
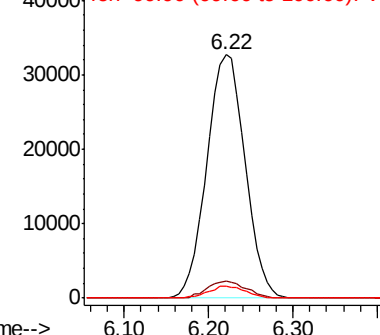
63 100

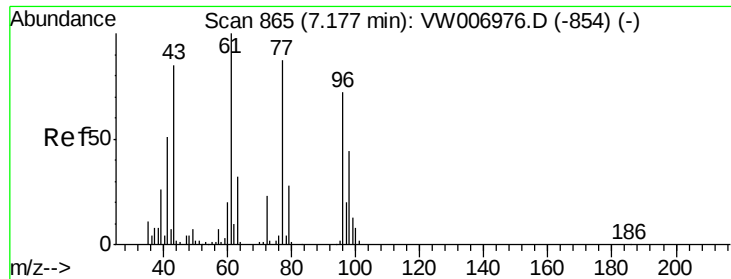
98 7.1 3.1 9.4

100 4.8 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





#25

2-Butanone

Concen: 305.163 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

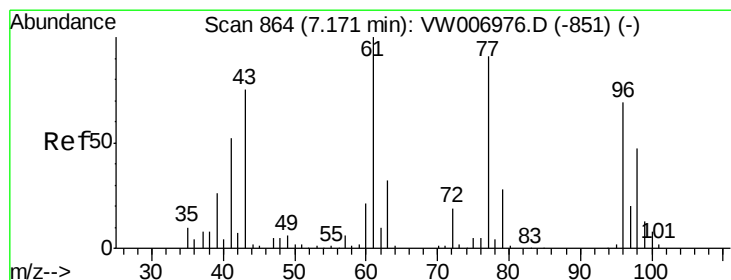
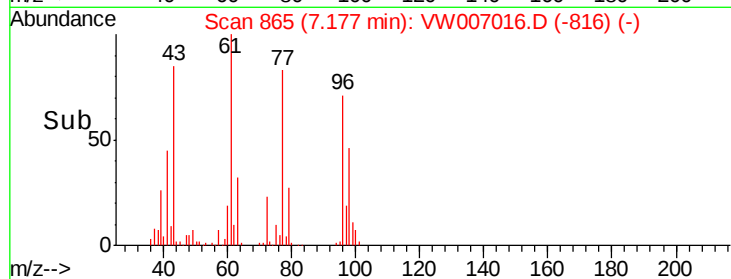
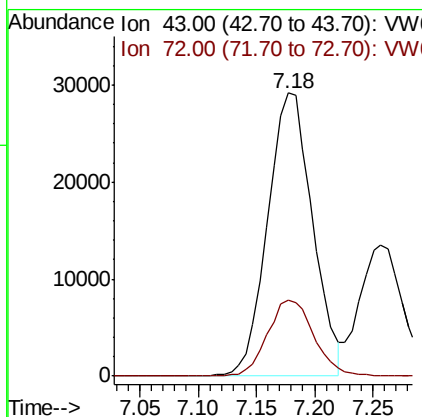
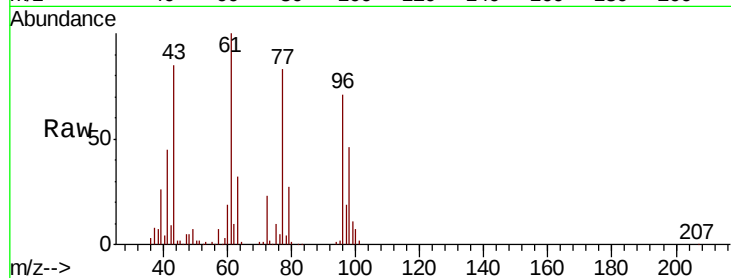
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 78030

Ion Ratio Lower Upper

43 100

72 26.7 21.3 31.9



#26

2,2-Dichloropropane

Concen: 51.120 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007016.D

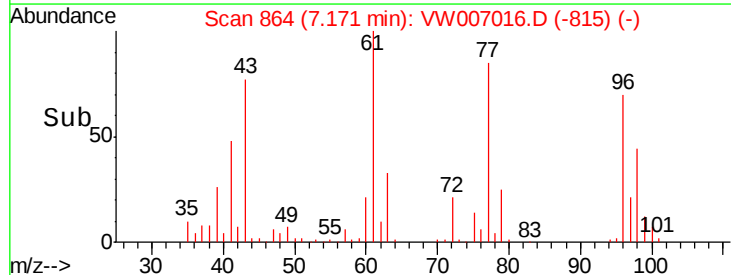
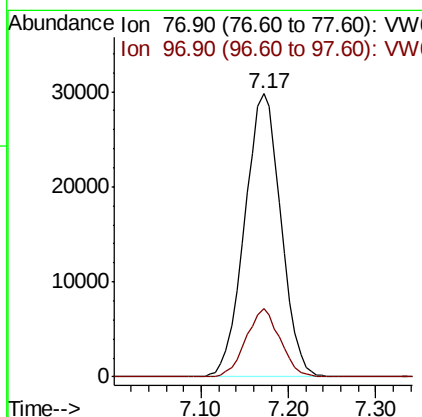
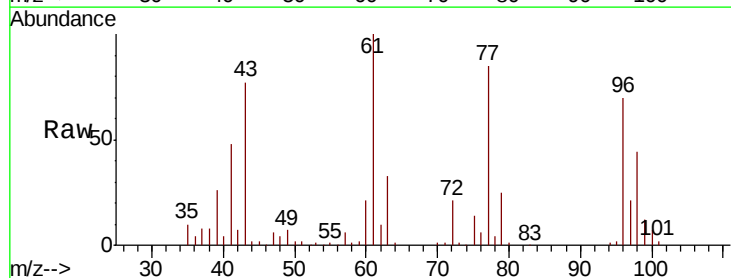
Acq: 21 Nov 2018 22:38

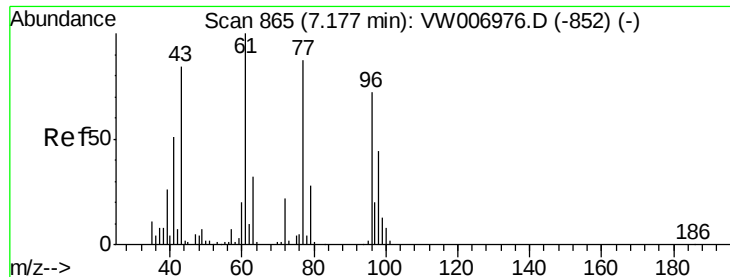
Tgt Ion: 77 Resp: 85829

Ion Ratio Lower Upper

77 100

97 22.7 11.4 34.1



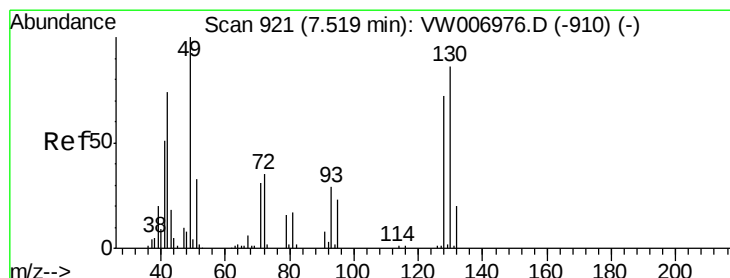
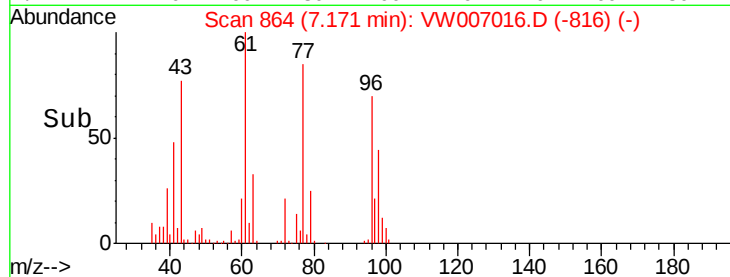
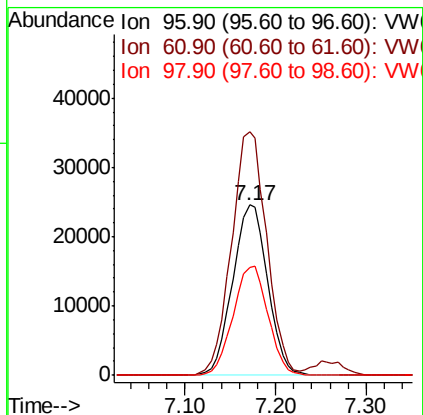
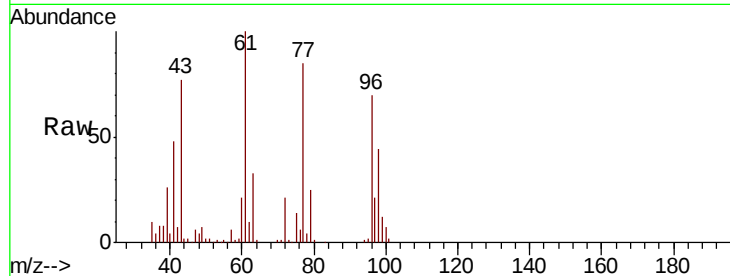


#27

cis-1,2-Dichloroethene
Concen: 55.641 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

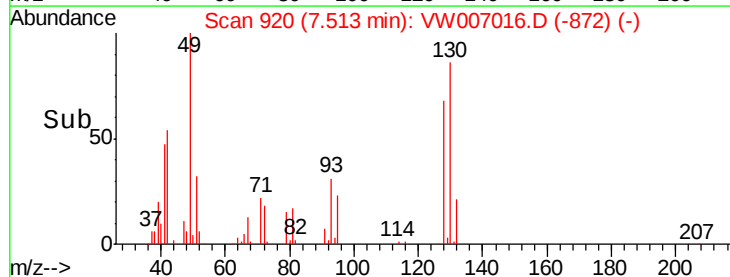
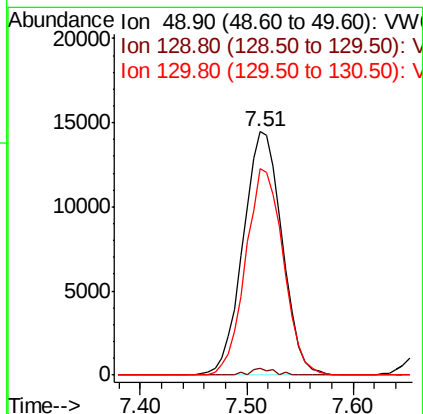
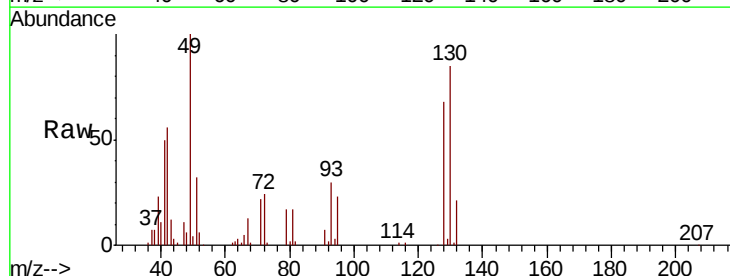
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	292.6
98	63.9	0.0	129.8

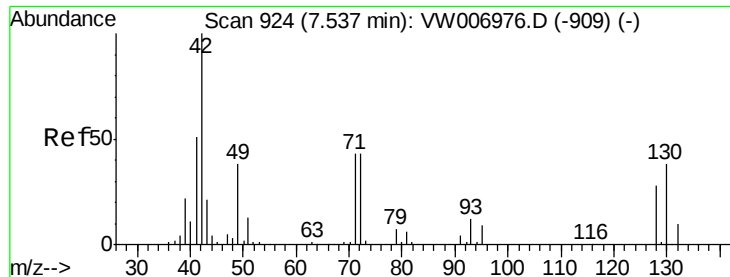


#28

Bromochloromethane
Concen: 53.193 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	2.0
130	82.4	69.0	103.4

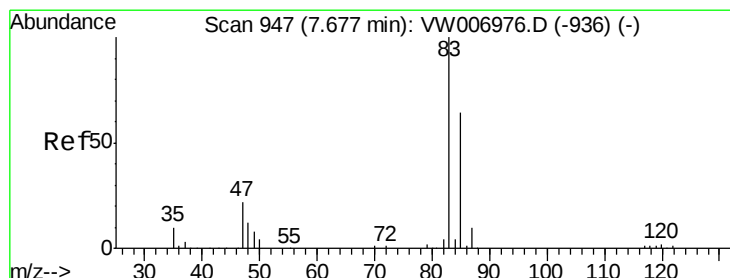
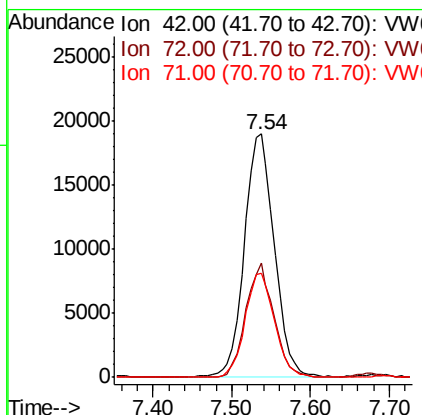
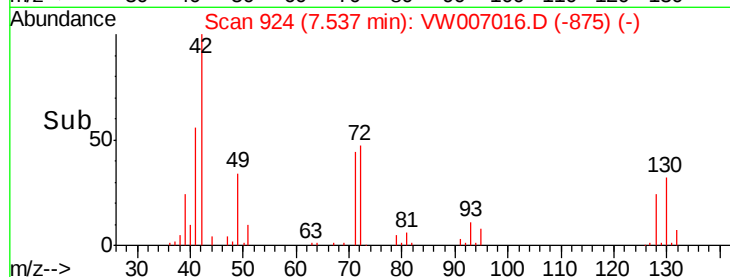
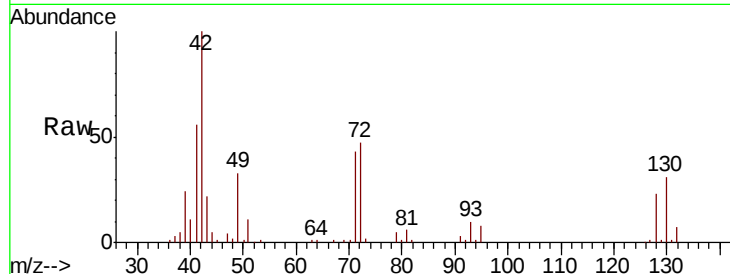




#29
Tetrahydrofuran
Concen: 303.979 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

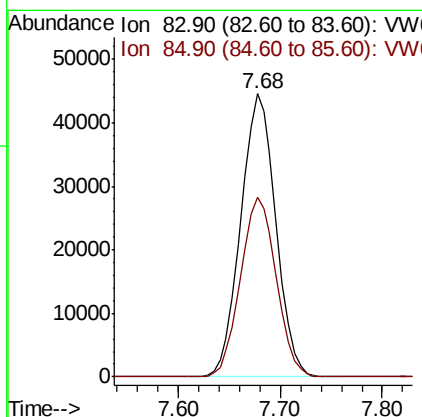
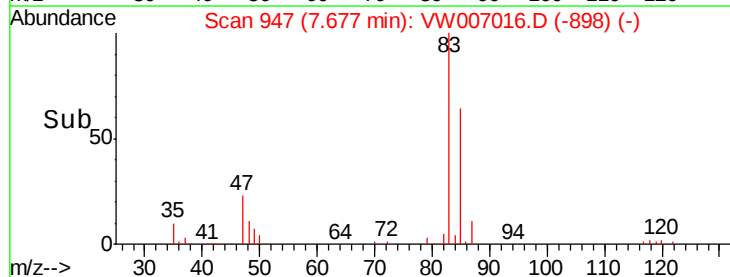
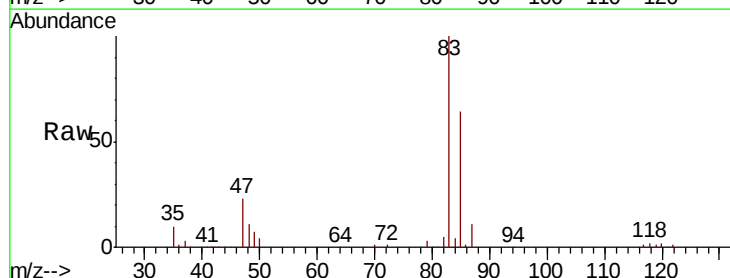
Instrument :
MSVOA_W
ClientSampled :

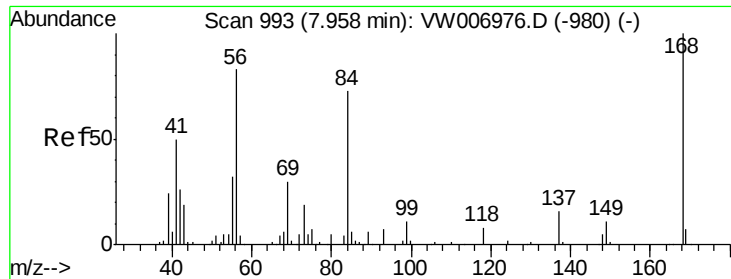
Tot Ion: 42 Resp: 50340
Ion Ratio Lower Upper
42 100
72 43.7 36.2 54.4
71 41.7 33.8 50.8



#30
Chloroform
Concen: 53.637 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 83 Resp: 106392
Ion Ratio Lower Upper
83 100
85 63.5 50.9 76.3

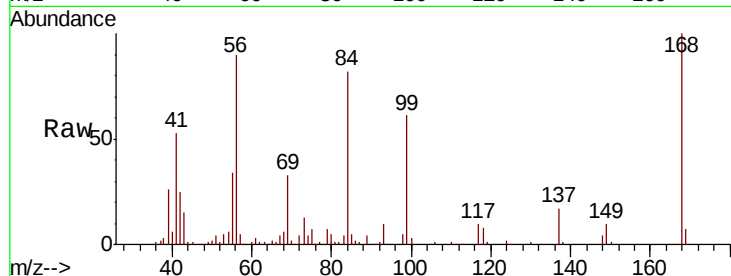




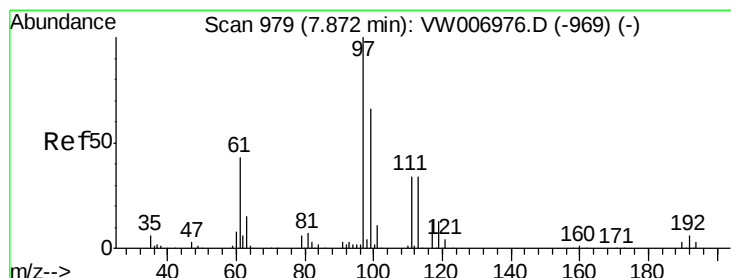
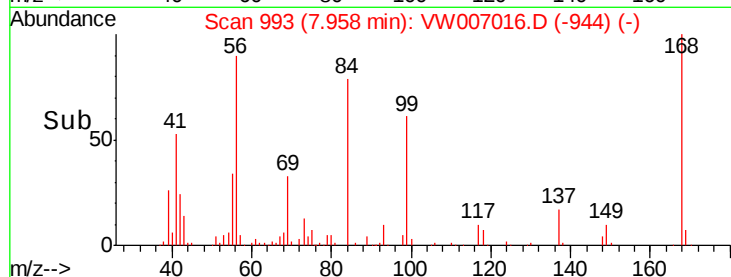
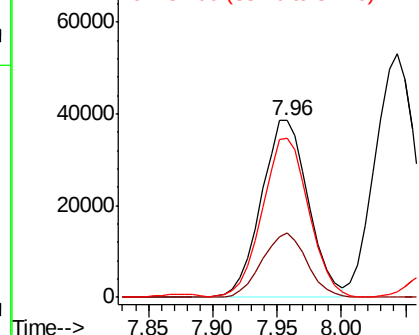
#31
Cyclohexane
Concen: 49.375 ug/l
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 97781
Ion Ratio Lower Upper
56 100
69 36.3 29.1 43.7
84 88.7 70.6 105.8

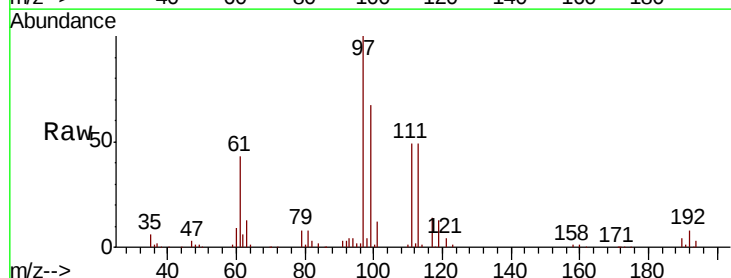


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

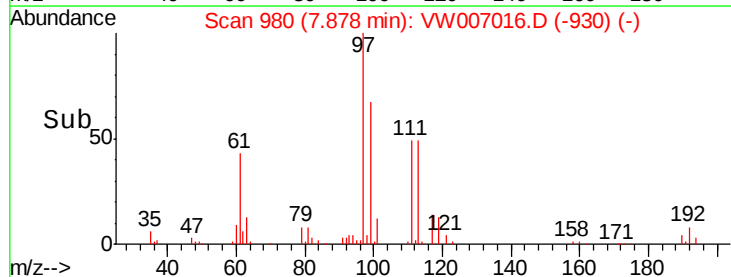
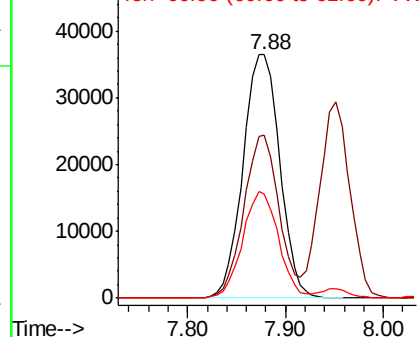


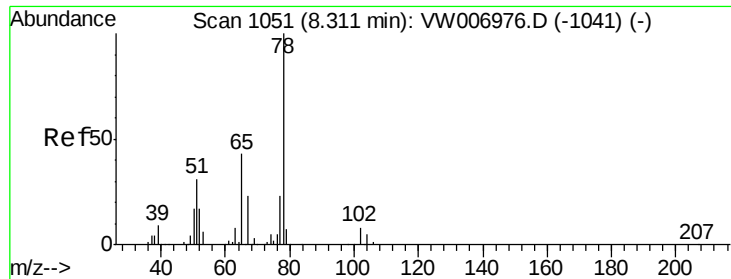
#32
1,1,1-Trichloroethane
Concen: 53.270 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 97 Resp: 95174
Ion Ratio Lower Upper
97 100
99 64.4 51.9 77.9
61 42.8 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

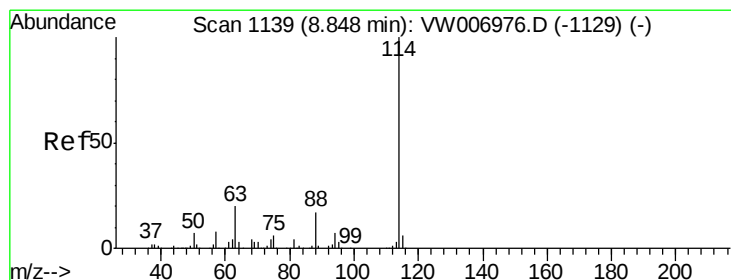
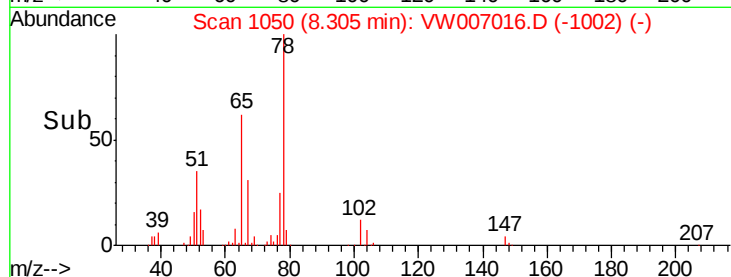
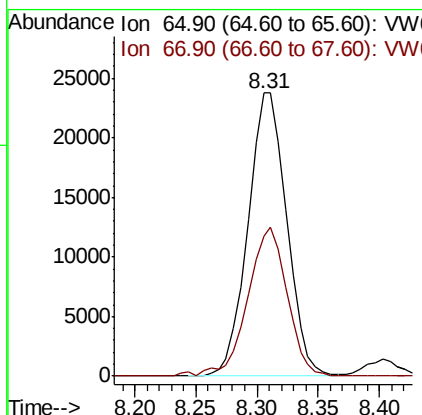
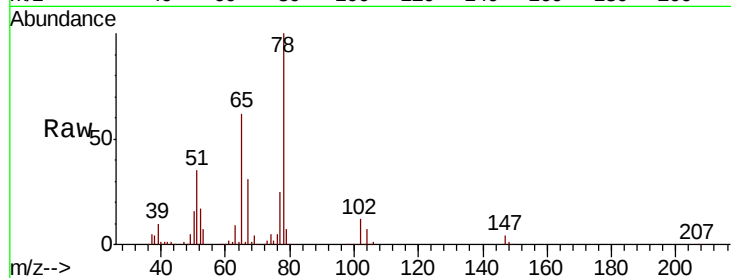




#33
 1,2-Dichloroethane-d4
 Concen: 50.978 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

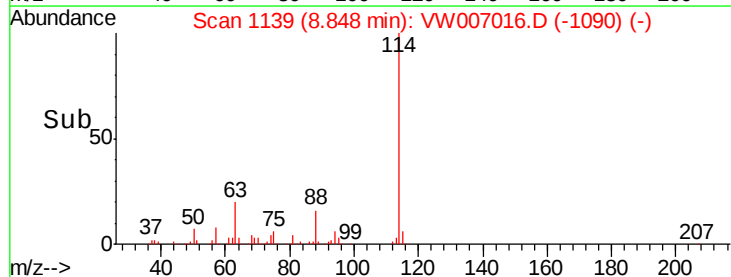
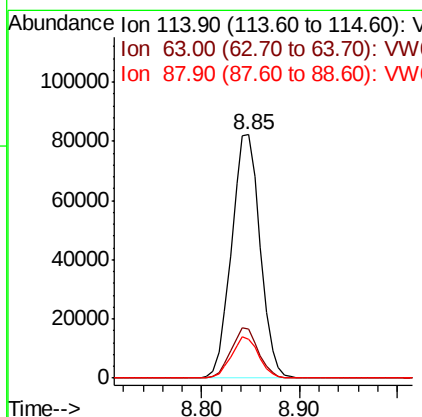
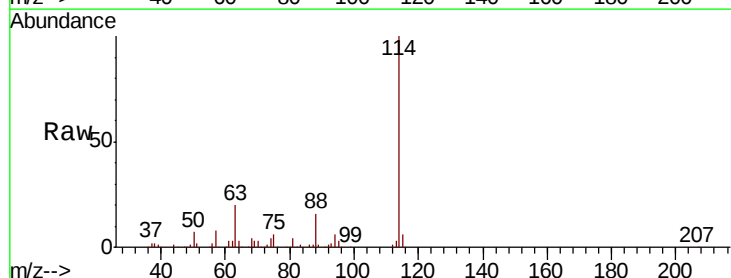
Instrument :
 MSVOA_W
 ClientSampled :

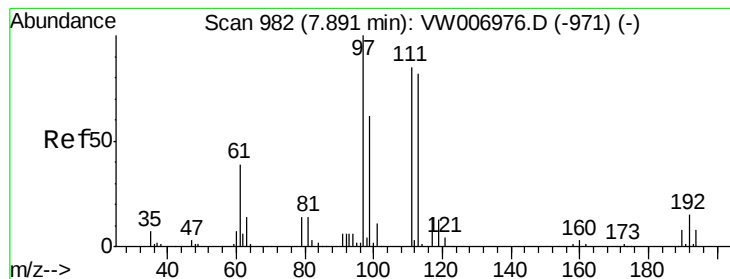
Tot Ion: 65 Resp: 52419
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Tgt Ion: 114 Resp: 166694
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.4
 88 15.8 0.0 34.2





#35

Dibromofluoromethane

Concen: 50.264 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampled :

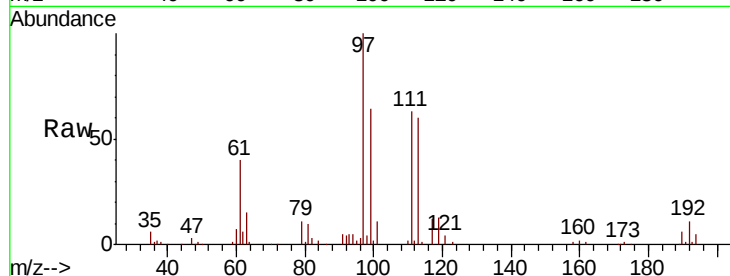
Tot Ion:113 Resp: 47317

Ion Ratio Lower Upper

113 100

111 102.7 81.0 121.6

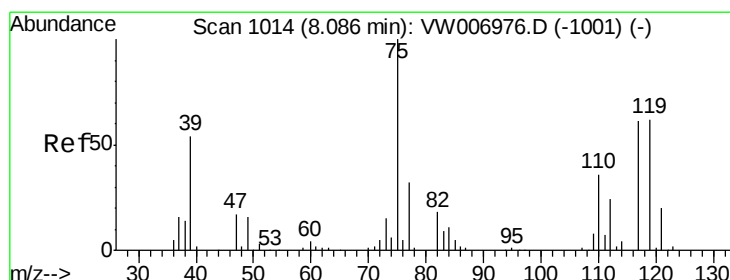
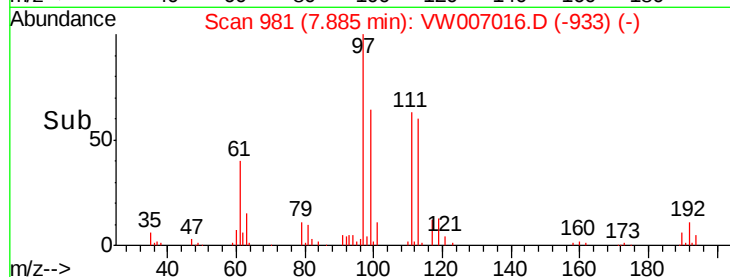
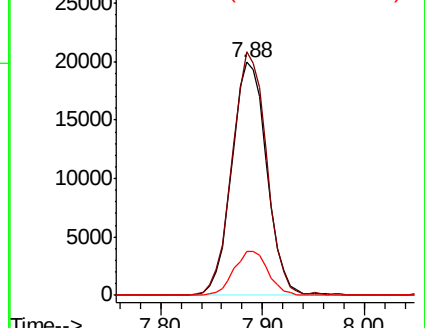
192 18.5 15.0 22.6



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: 53.500 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

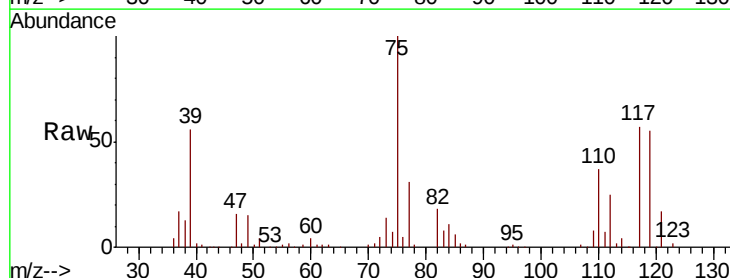
Tgt Ion: 75 Resp: 87149

Ion Ratio Lower Upper

75 100

110 36.4 18.0 54.0

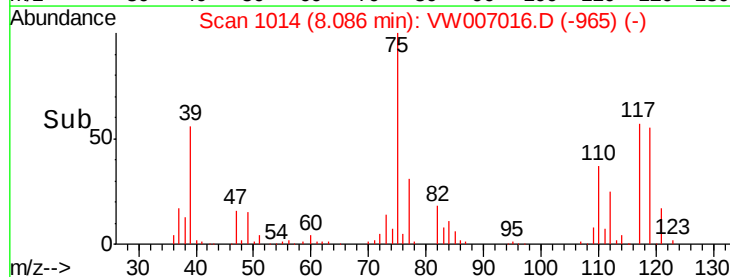
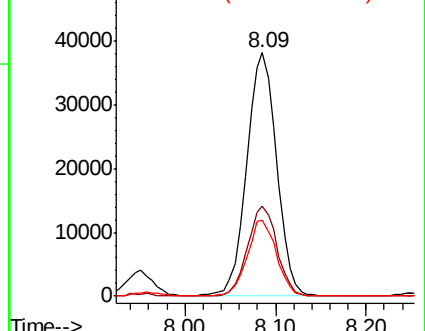
77 30.6 24.9 37.3

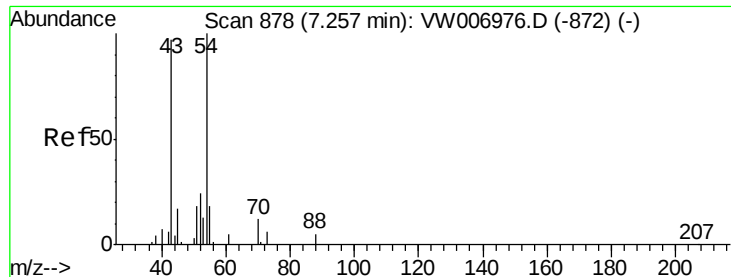


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

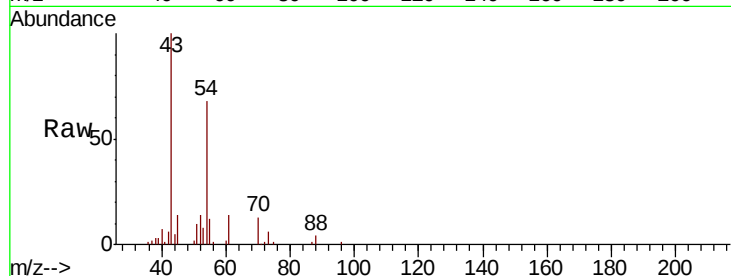




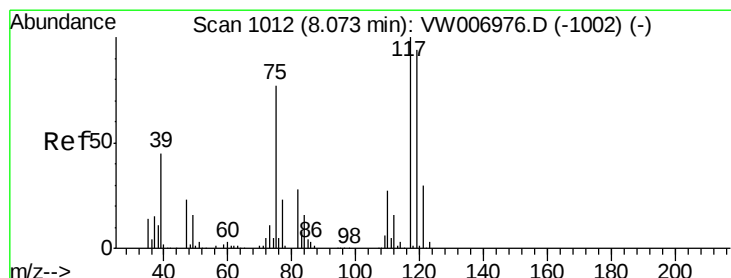
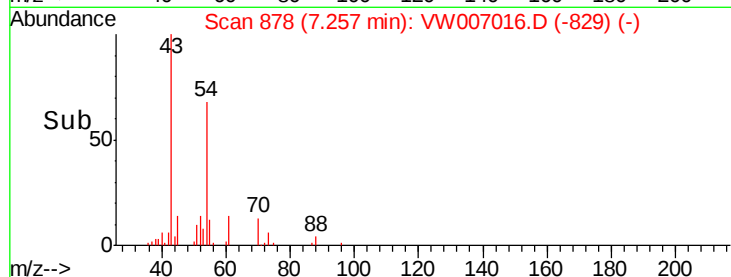
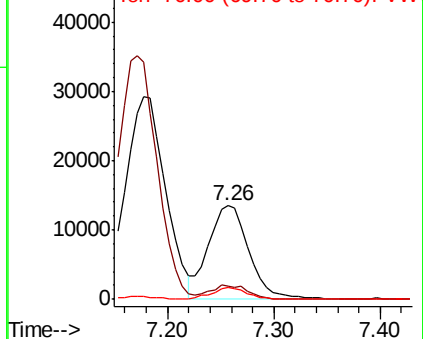
#37
Ethyl Acetate
Concen: 60.216 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 35545
Ion Ratio Lower Upper
43 100
61 14.3 10.4 15.6
70 10.9 8.8 13.2

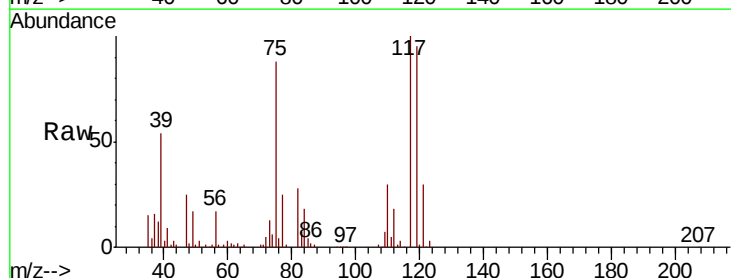


Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW

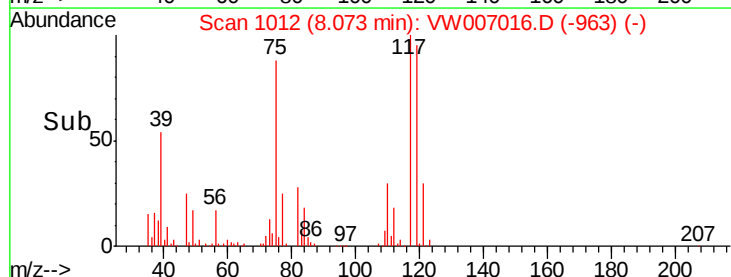
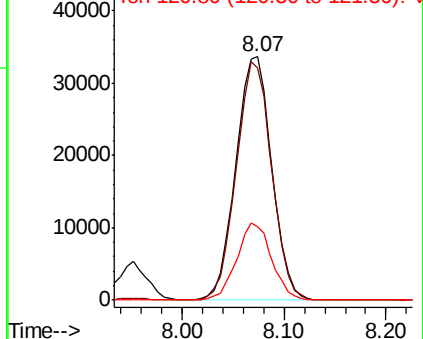


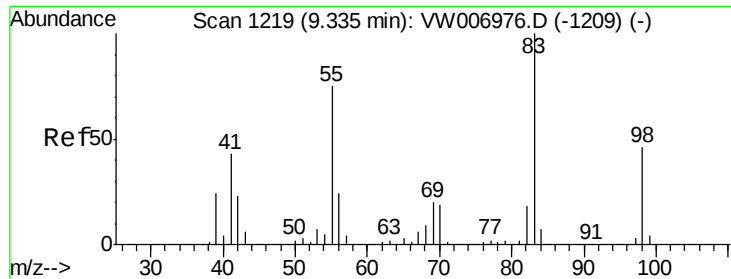
#38
Carbon Tetrachloride
Concen: 52.738 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 117 Resp: 82265
Ion Ratio Lower Upper
117 100
119 95.2 74.9 112.3
121 30.0 23.6 35.4



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

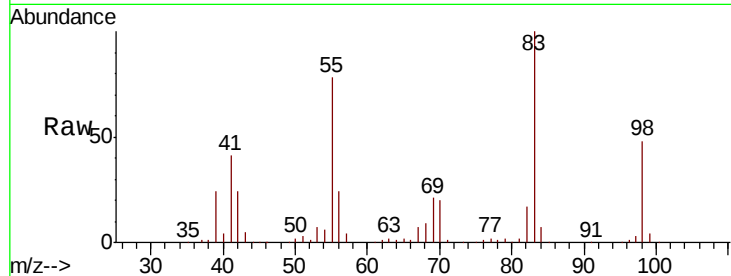




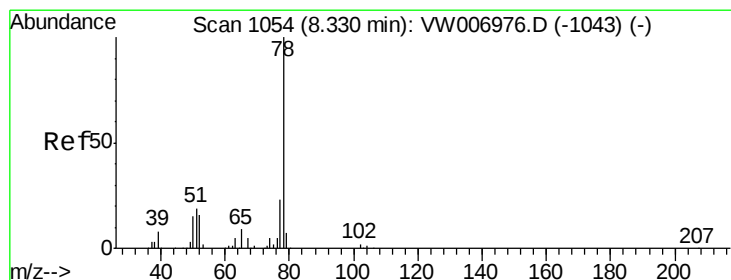
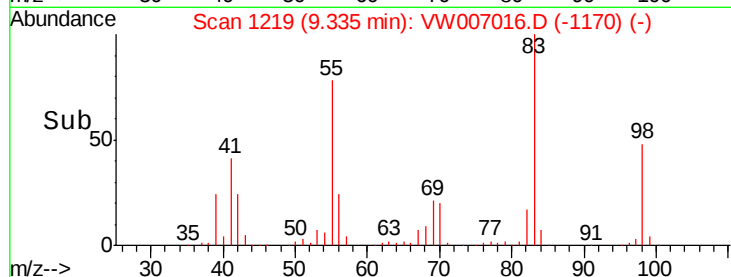
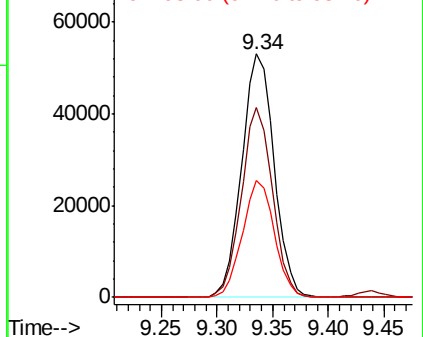
#39
Methvlcvclohexane
Concen: 52.620 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 83 Resp: 107266
Ion Ratio Lower Upper
83 100
55 78.0 59.6 89.4
98 48.0 37.1 55.7

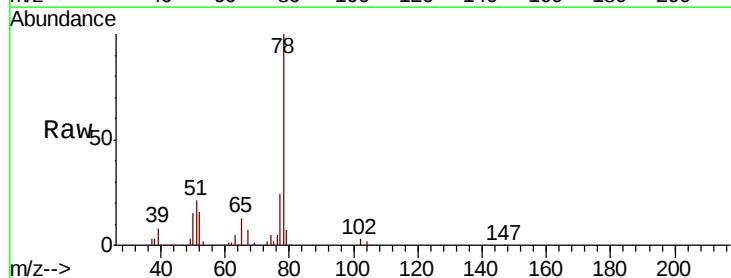


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

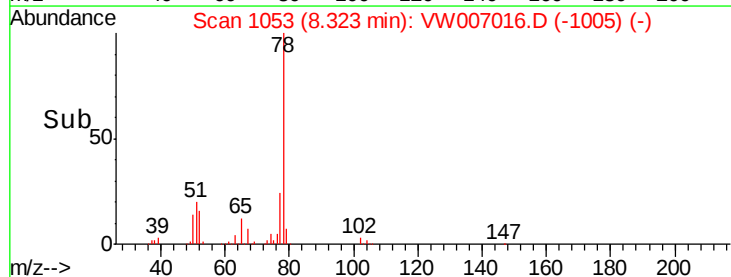
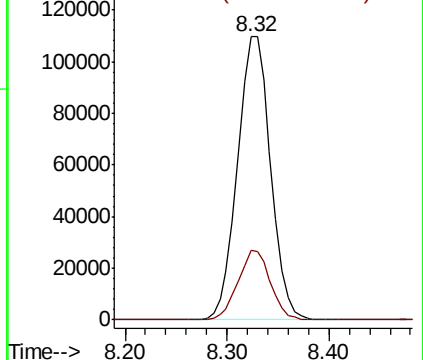


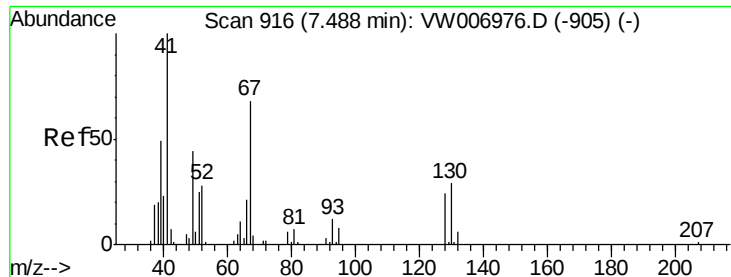
#40
Benzene
Concen: 56.224 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 78 Resp: 247223
Ion Ratio Lower Upper
78 100
77 24.5 18.6 28.0



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





#41

Methacrylonitrile

Concen: 58.423 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.00 min

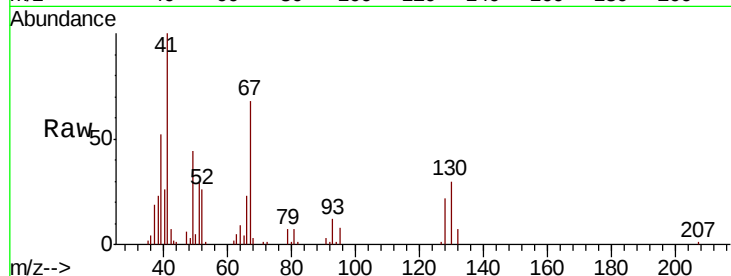
Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 41 Resp: 21417

Ion	Ratio	Lower	Upper
41	100		
39	60.0	48.6	73.0
67	72.5	59.8	89.8
52	30.4	24.8	37.2

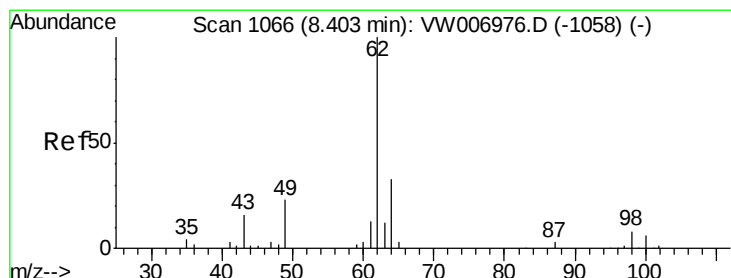
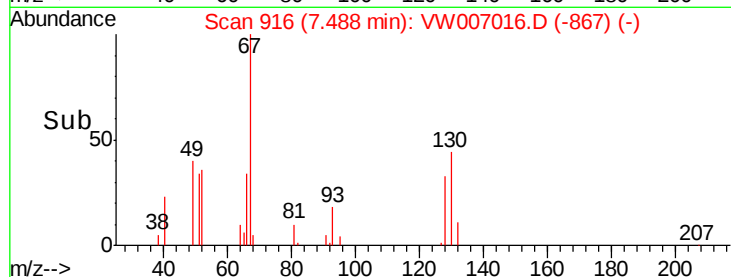


Abundance Ion 41.00 (40.70 to 41.70): VW

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: 55.081 ug/l

RT: 8.40 min Scan# 1066

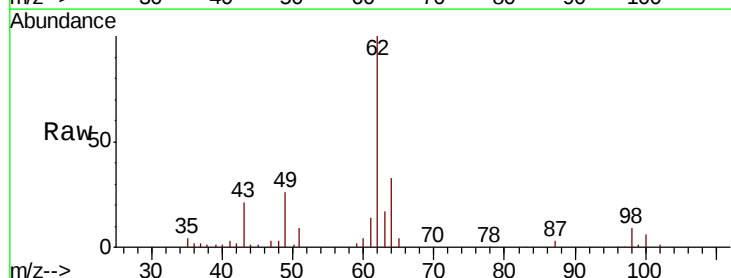
Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

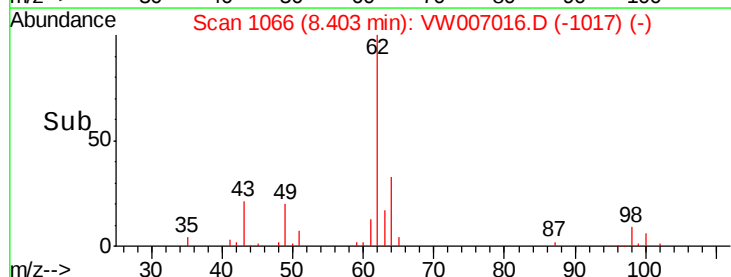
Tgt Ion: 62 Resp: 70317

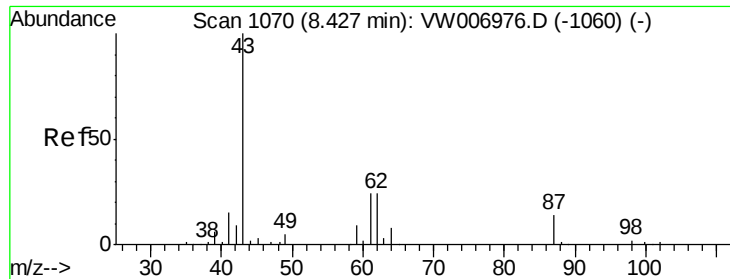
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 61.458 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampleId :

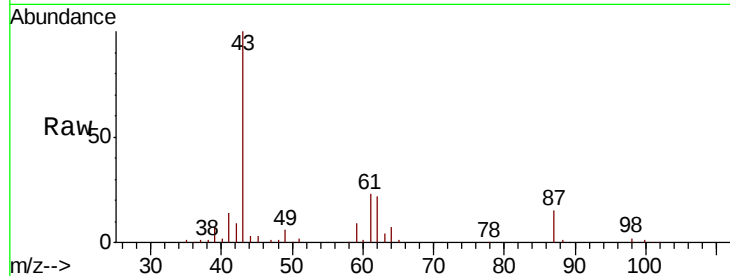
Tot Ion: 43 Resp: 69133

Ion Ratio Lower Upper

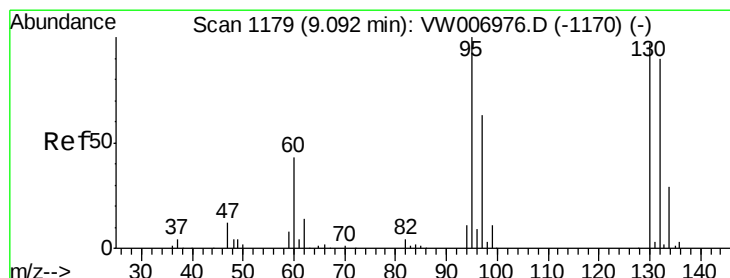
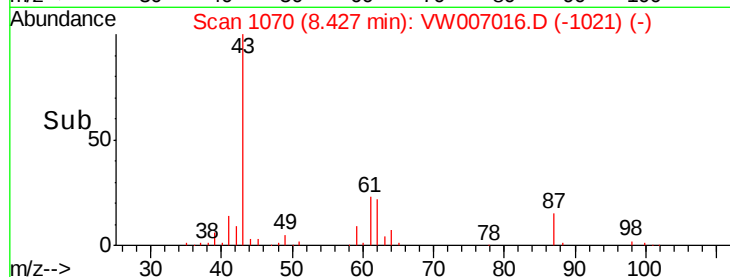
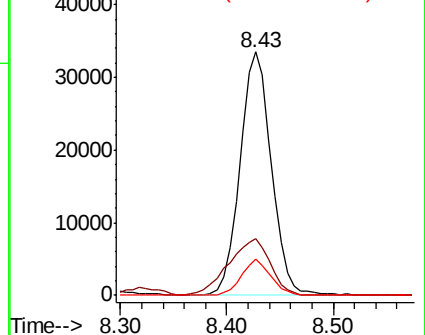
43 100

61 30.6 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: 55.982 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW007016.D

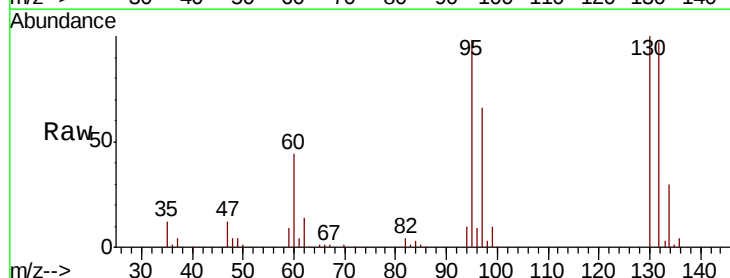
Acq: 21 Nov 2018 22:38

Tgt Ion: 130 Resp: 69004

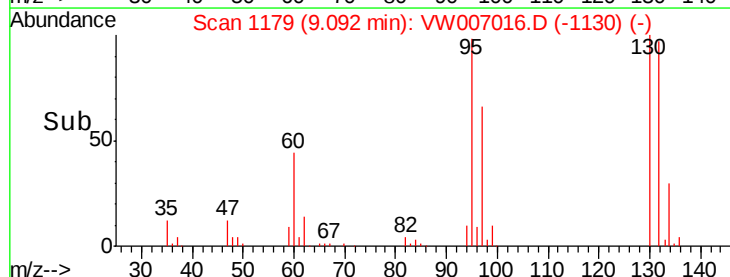
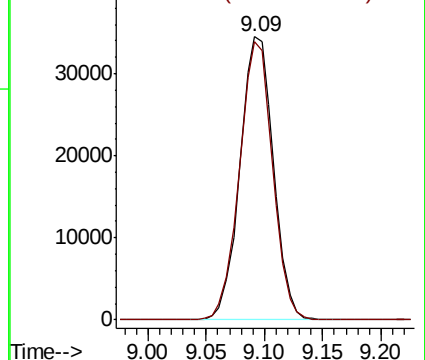
Ion Ratio Lower Upper

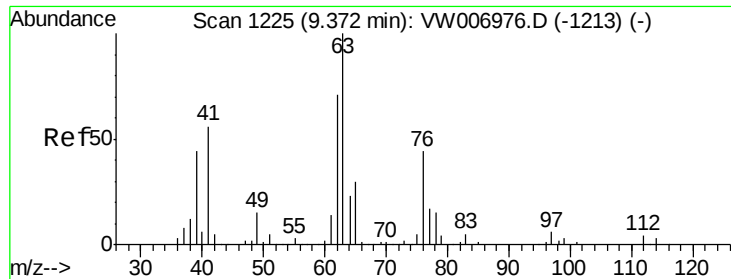
130 100

95 98.2 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: 56.473 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

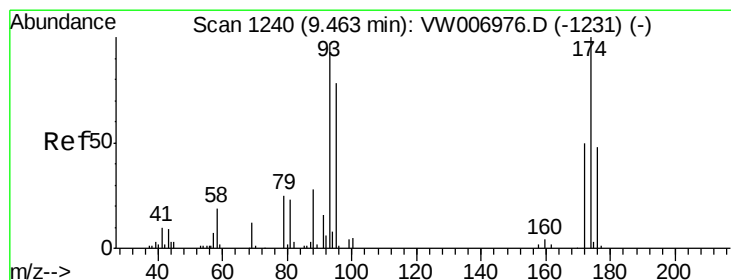
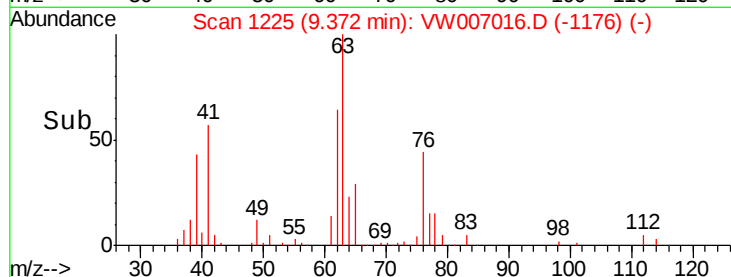
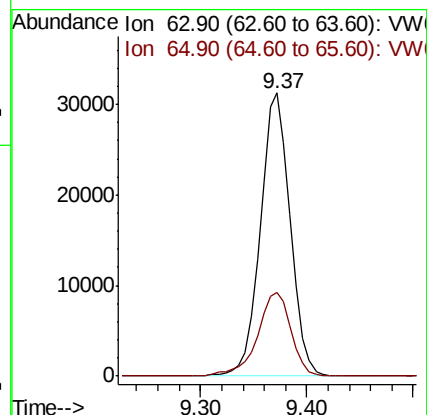
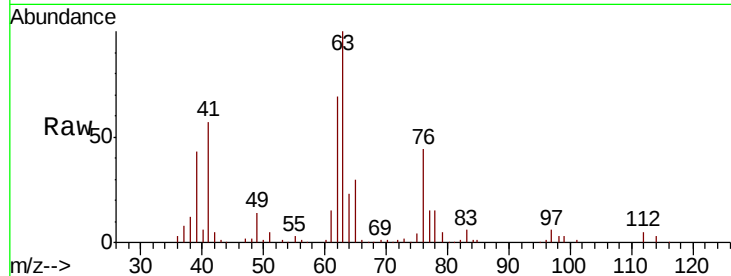
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 63 Resp: 61212

Ion Ratio Lower Upper

63 100

65 29.7 24.4 36.6



#46

Dibromomethane

Concen: 57.774 ug/l

RT: 9.46 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

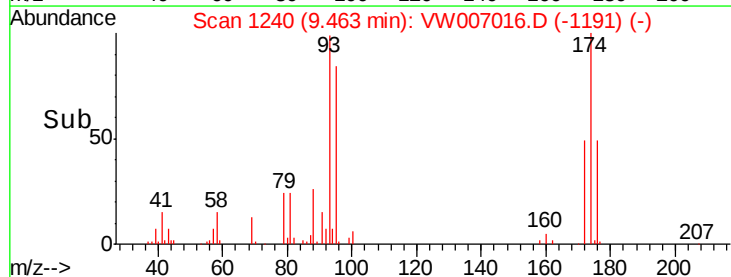
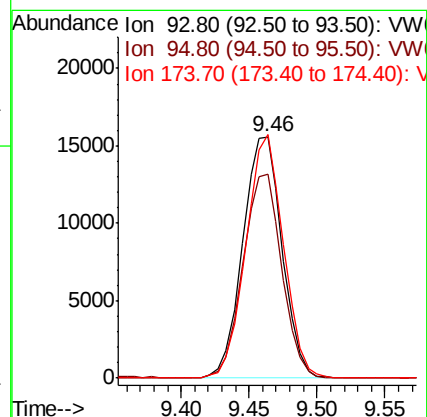
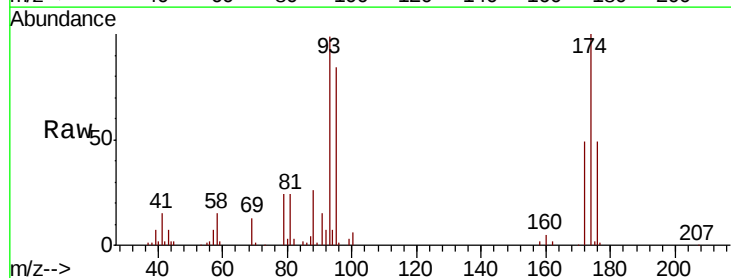
Tgt Ion: 93 Resp: 31360

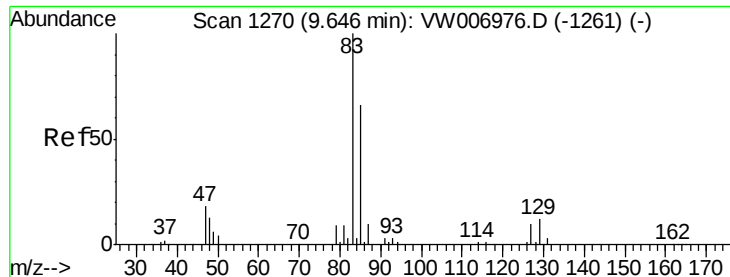
Ion Ratio Lower Upper

93 100

95 83.6 66.1 99.1

174 96.4 79.7 119.5





#47

Bromodichloromethane

Concen: 56.189 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

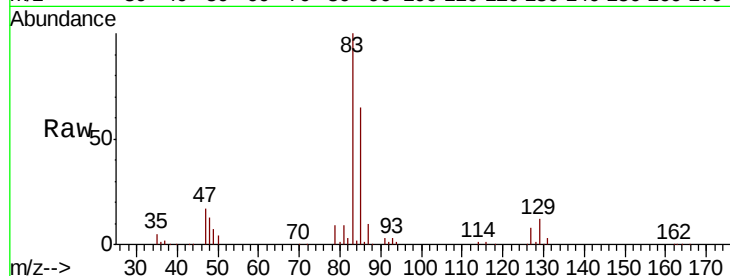
Tot Ion: 83 Resp: 80358

Ion Ratio Lower Upper

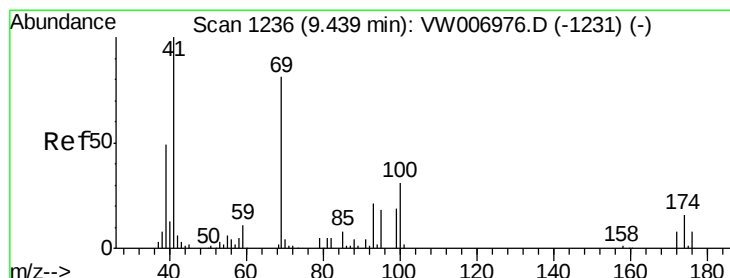
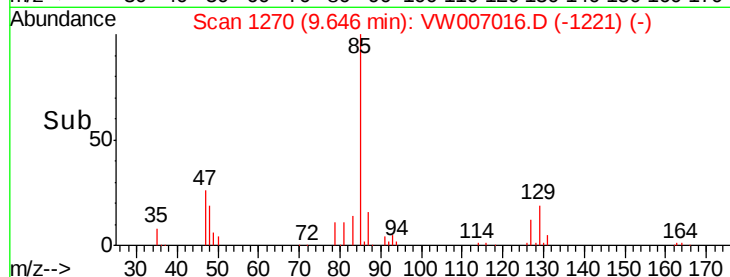
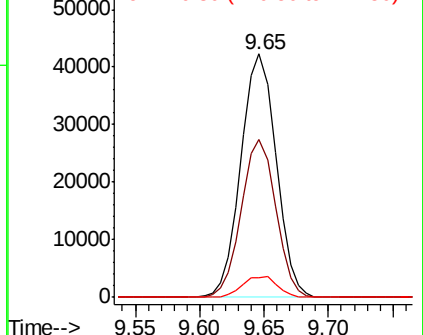
83 100

85 64.8 52.9 79.3

127 7.8 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): V



#48

Methyl methacrylate

Concen: 62.430 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

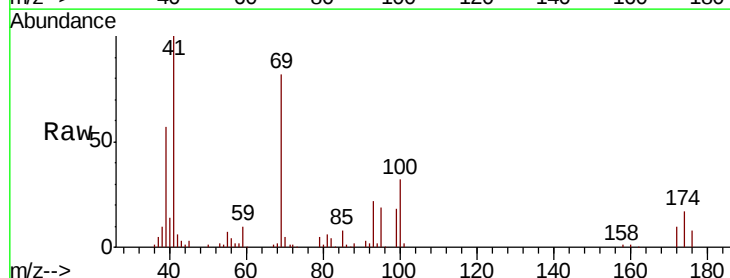
Tgt Ion: 41 Resp: 33862

Ion Ratio Lower Upper

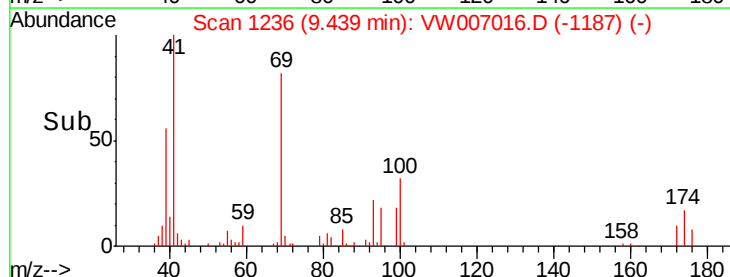
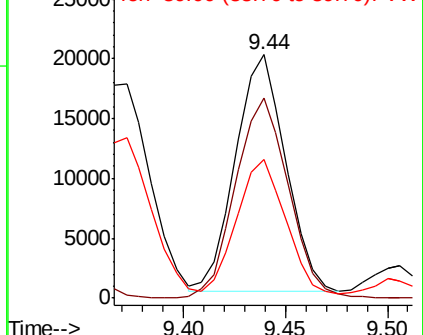
41 100

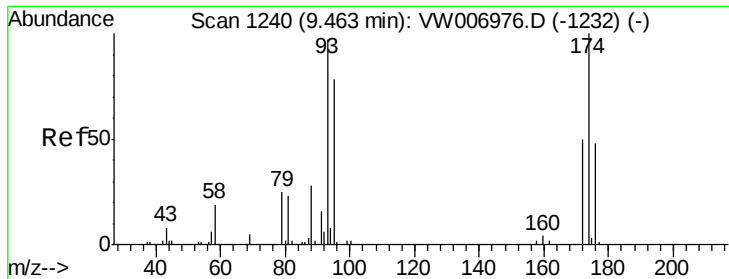
69 89.2 71.4 107.0

39 55.1 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

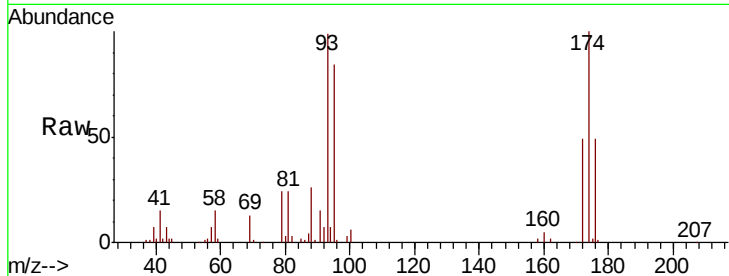




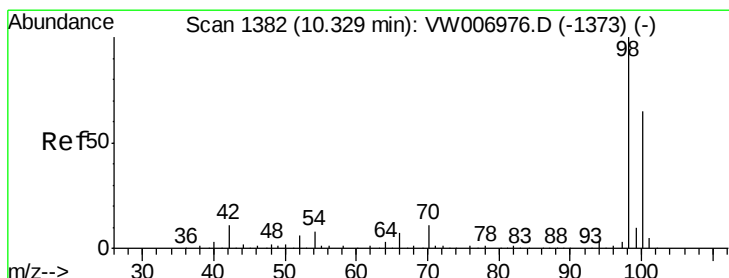
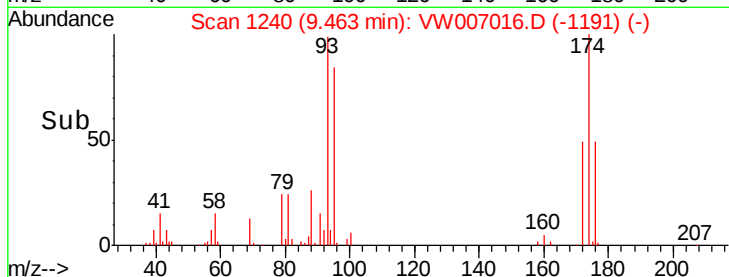
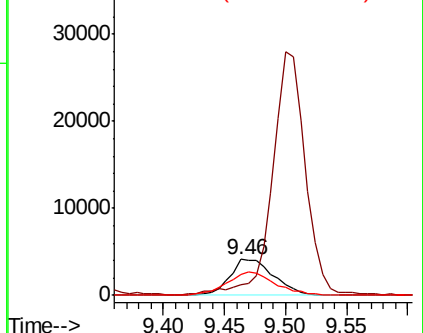
#49
1,4-Dioxane
Concen: 1273.956 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 88 Resp: 10278
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 70.4 59.0 88.6

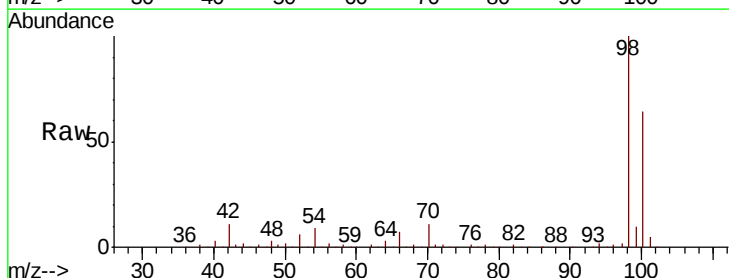


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

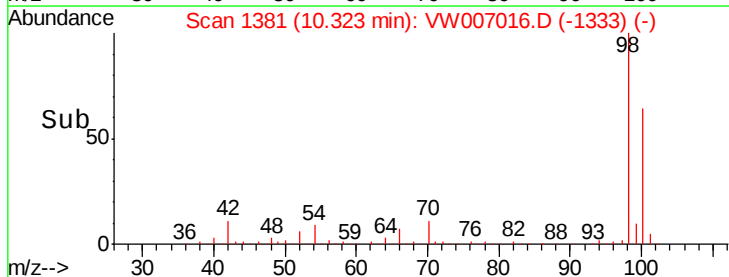
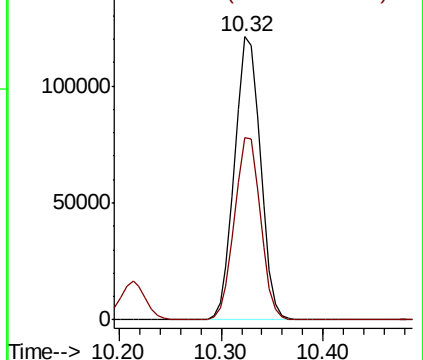


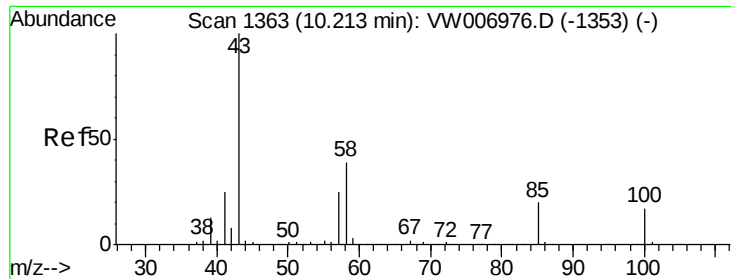
#50
Toluene-d8
Concen: 51.051 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 98 Resp: 212218
Ion Ratio Lower Upper
98 100
100 65.0 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: 311.011 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

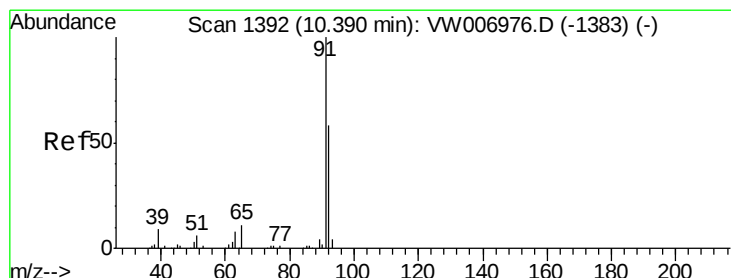
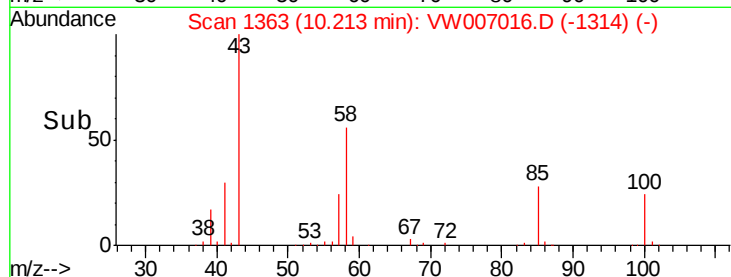
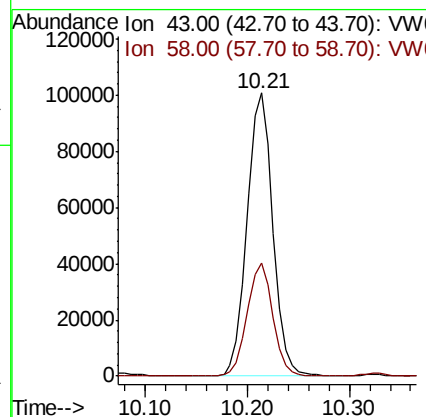
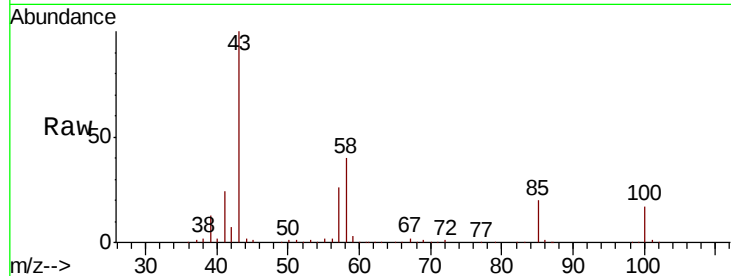
ClientSampled :

Tot Ion: 43 Resp: 176800

Ion Ratio Lower Upper

43 100

58 39.8 31.8 47.6



#52

Toluene

Concen: 57.146 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW007016.D

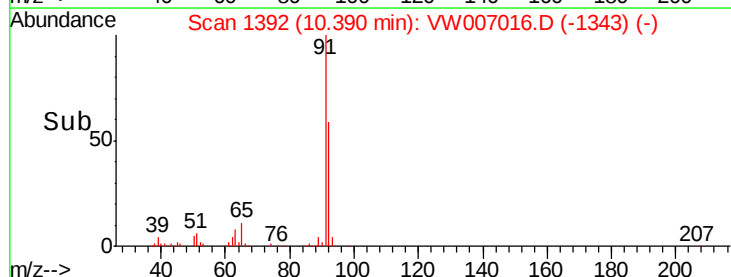
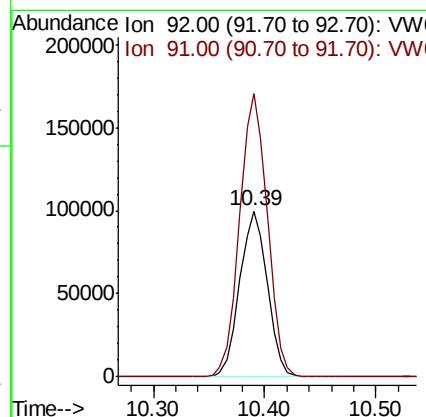
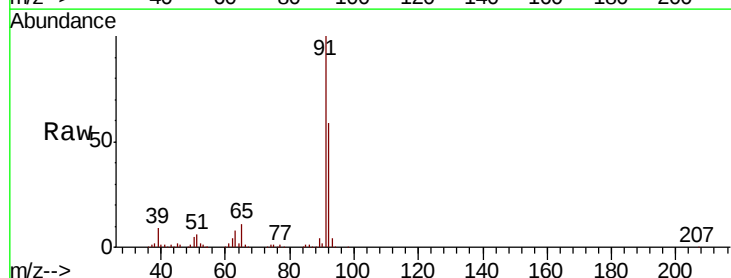
Acq: 21 Nov 2018 22:38

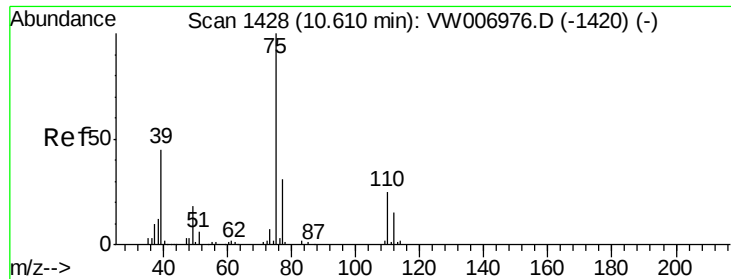
Tgt Ion: 92 Resp: 171006

Ion Ratio Lower Upper

92 100

91 171.5 137.3 205.9





#53

t-1,3-Dichloropropene

Concen: 58.947 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

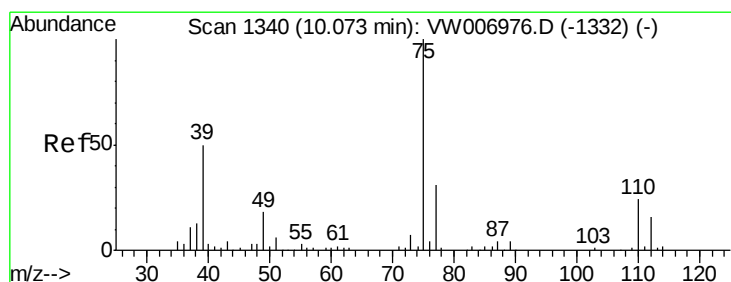
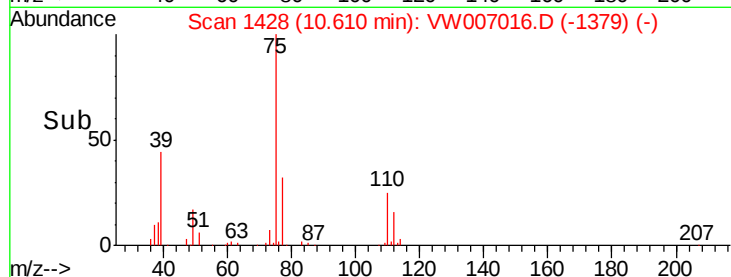
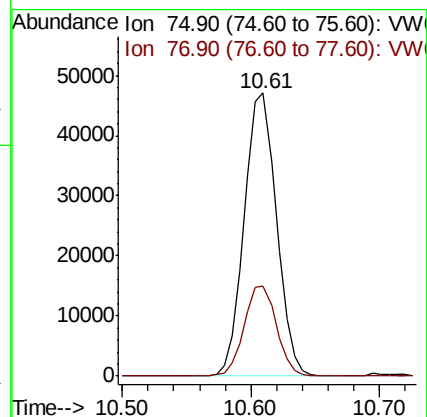
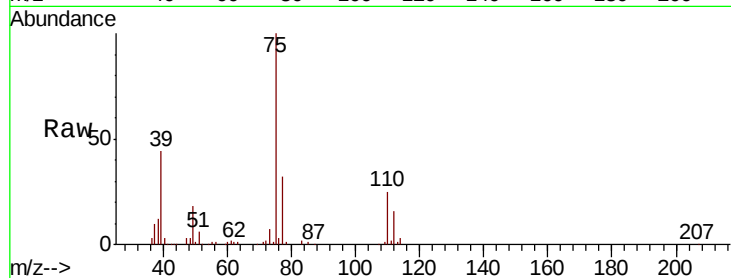
ClientSampled :

Tot Ion: 75 Resp: 81665

Ion Ratio Lower Upper

75 100

77 31.6 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 57.475 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

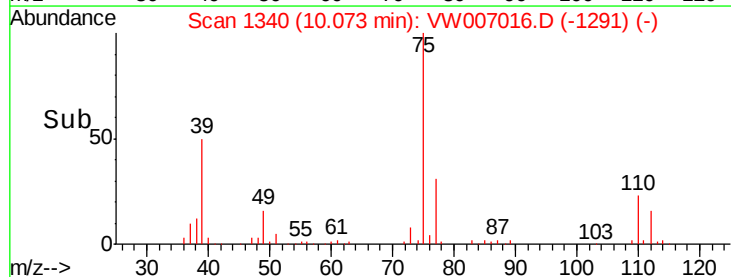
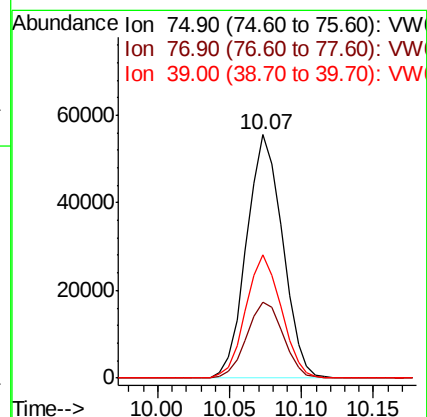
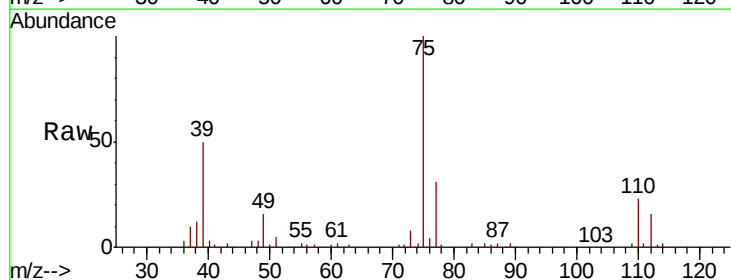
Tgt Ion: 75 Resp: 96199

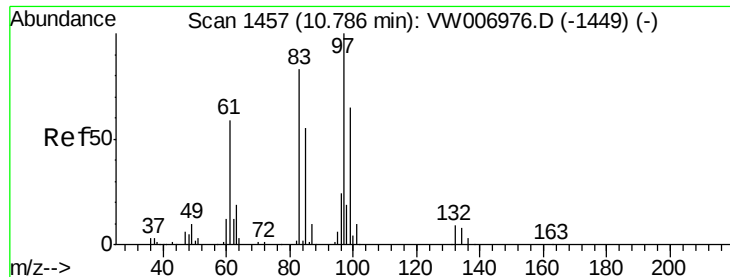
Ion Ratio Lower Upper

75 100

77 31.2 25.0 37.6

39 50.5 39.9 59.9

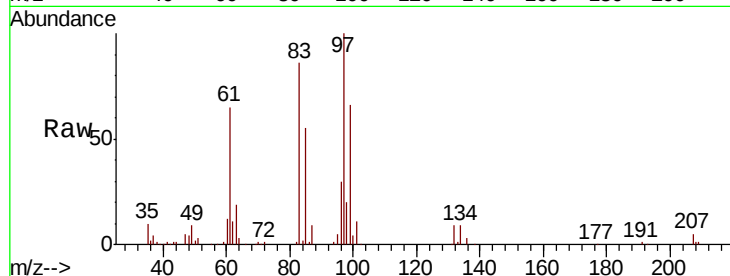




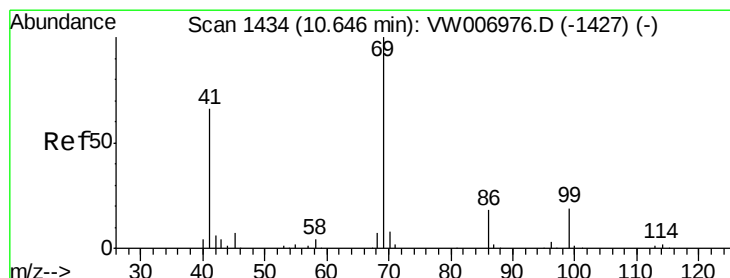
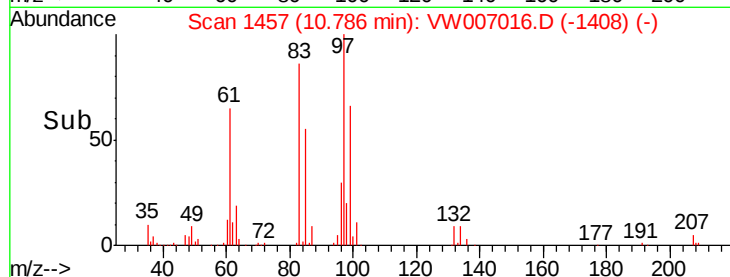
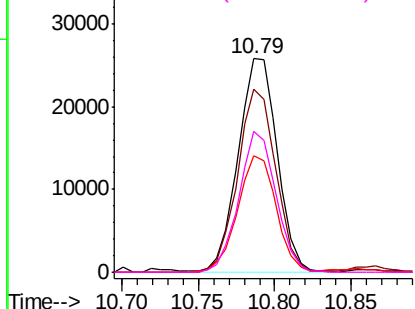
#55
 1,1,2-Trichloroethane
 Concen: 57.085 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion:	97	Resp:	45589
Ion	Ratio	Lower	Upper
97	100		
83	86.1	66.4	99.6
85	54.9	44.1	66.1
99	65.9	51.7	77.5

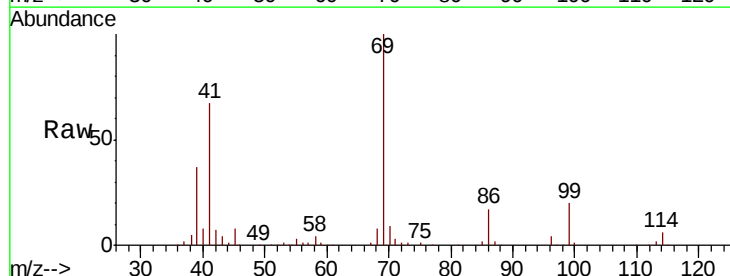


Abundance Ion 96.90 (96.60 to 97.60): VW
 Ion 82.90 (82.60 to 83.60): VW
 Ion 84.90 (84.60 to 85.60): VW
 Ion 98.90 (98.60 to 99.60): VW

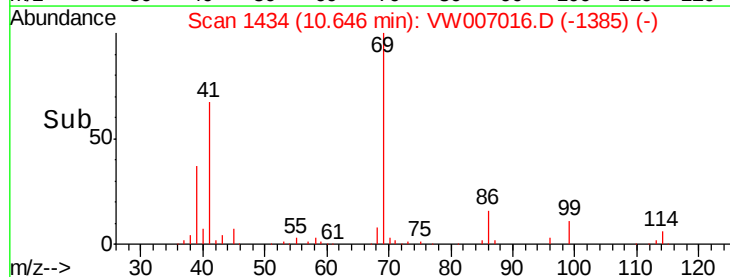
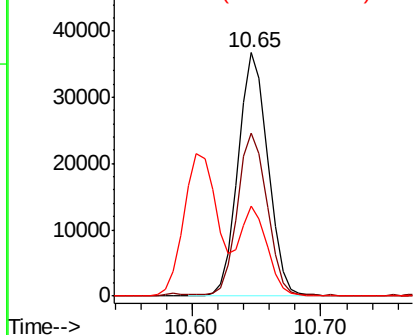


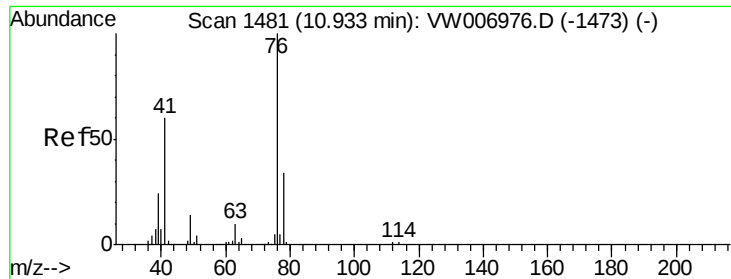
#56
 Ethyl methacrylate
 Concen: 63.532 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Tgt Ion:	69	Resp:	58895
Ion	Ratio	Lower	Upper
69	100		
41	66.6	53.4	80.0
39	34.6	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

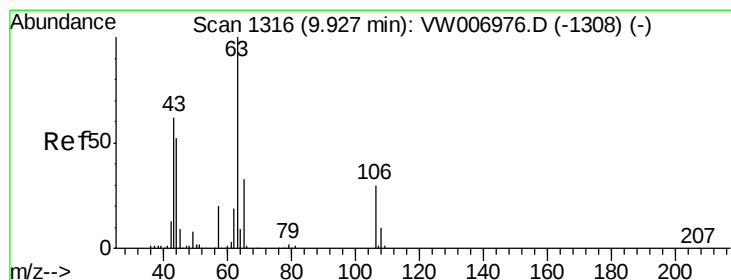
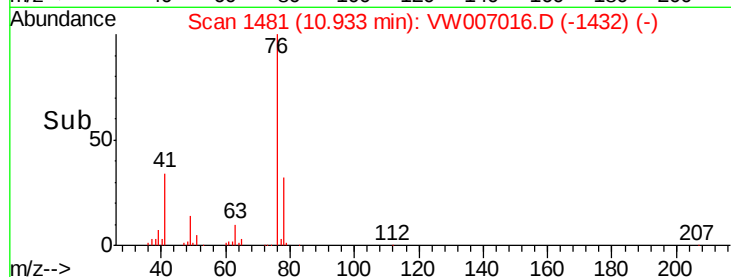
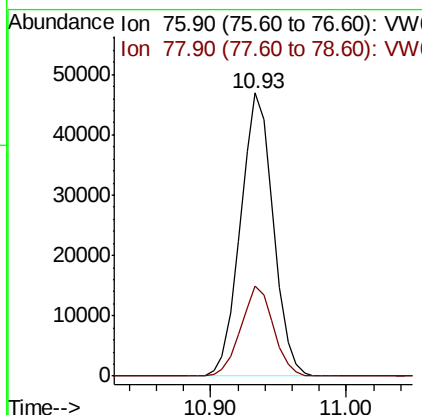
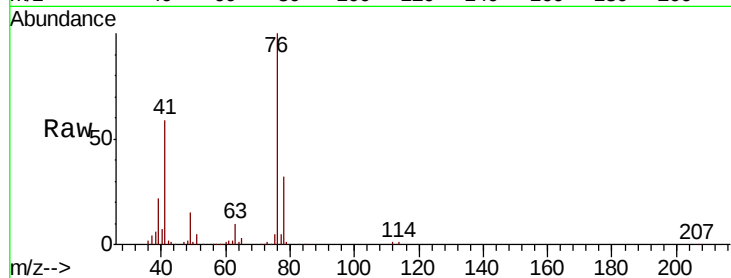




#57
 1,3-Dichloropropane
 Concen: 58.885 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

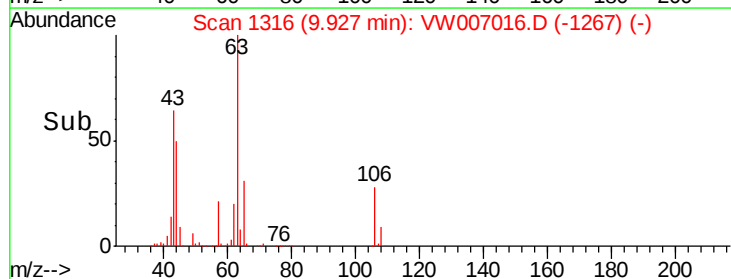
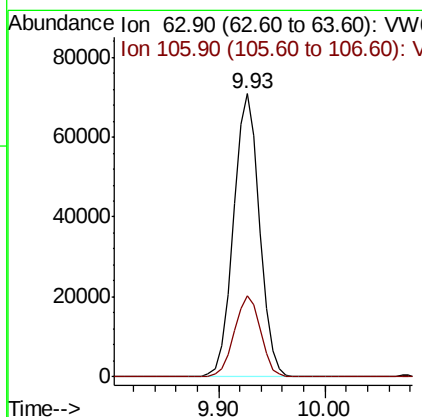
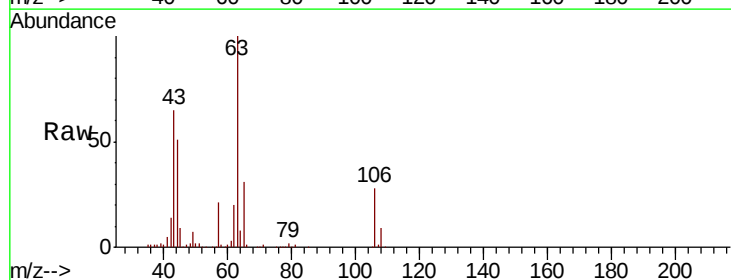
Instrument :
 MSVOA_W
 ClientSampled :

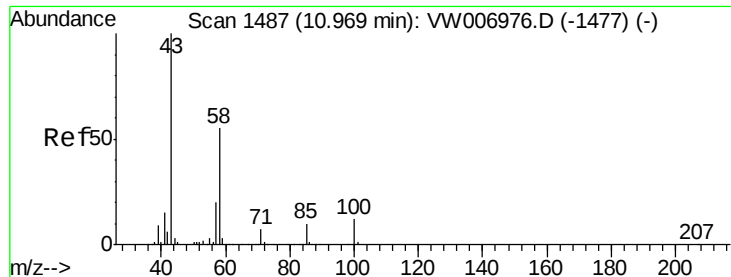
Tot Ion: 76 Resp: 78807
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 251.107 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Tgt Ion: 63 Resp: 121639
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.5 35.3

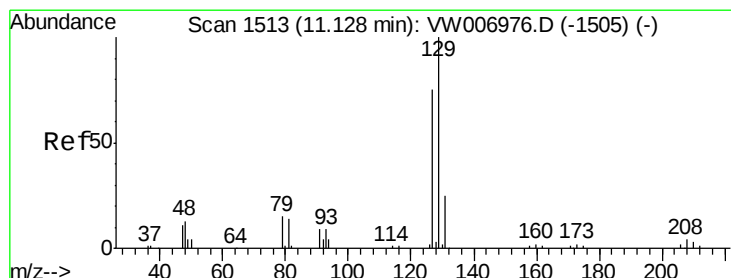
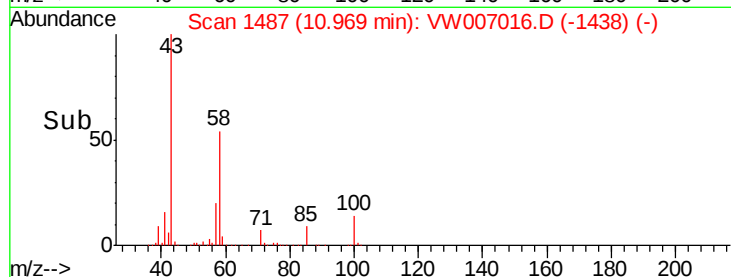
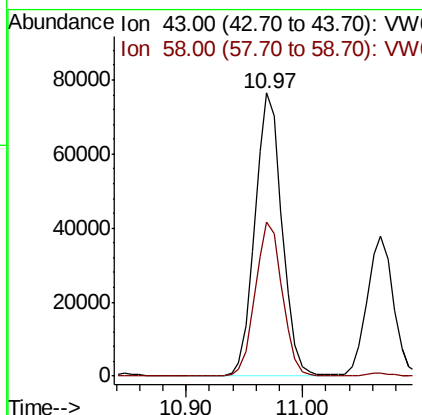
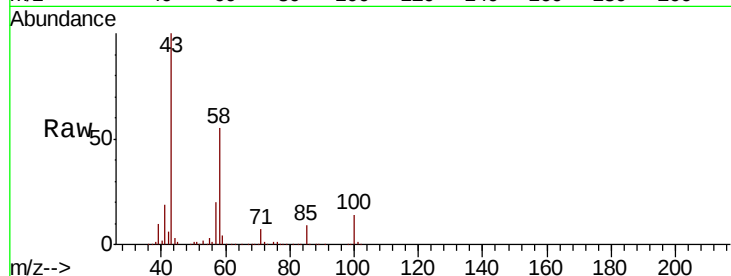




#59
2-Hexanone
Concen: 319.750 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

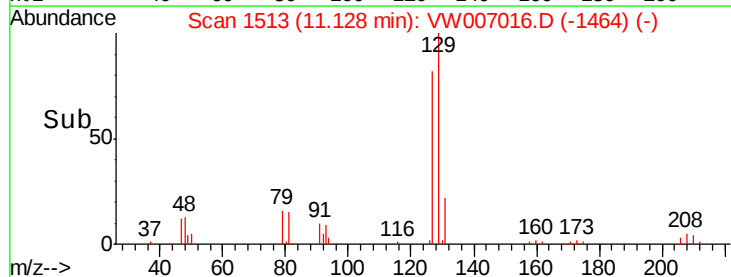
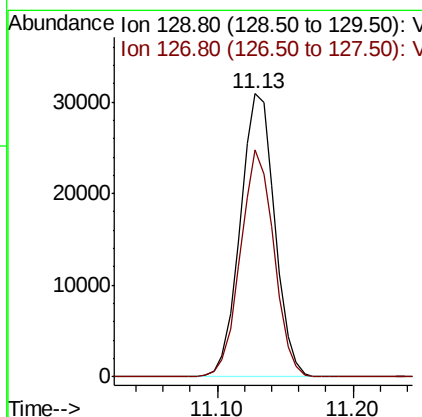
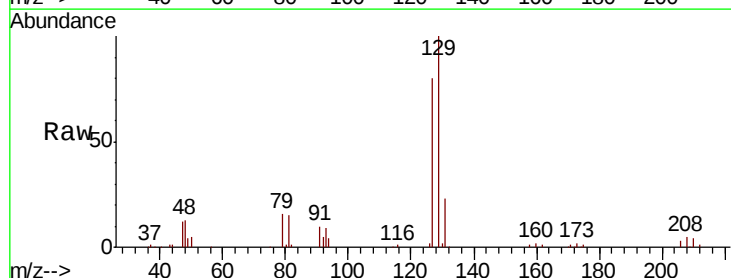
Instrument :
MSVOA_W
ClientSampleId :

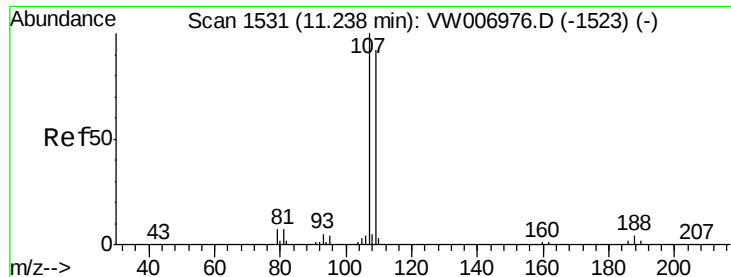
Tot Ion: 43 Resp: 124473
Ion Ratio Lower Upper
43 100
58 54.5 27.3 81.8



#60
Dibromochloromethane
Concen: 60.081 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 129 Resp: 54673
Ion Ratio Lower Upper
129 100
127 77.8 38.3 114.8





#61

1,2-Dibromoethane

Concen: 60.733 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

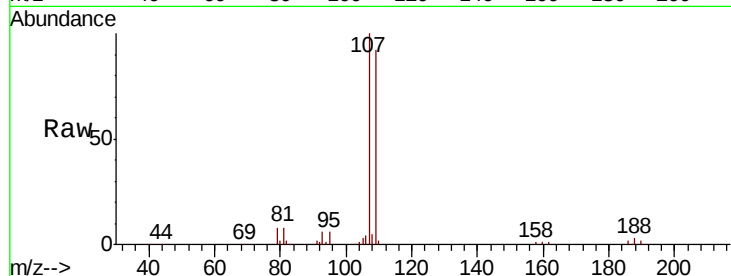
ClientSampled :

Tot Ion:107 Resp: 44369

Ion Ratio Lower Upper

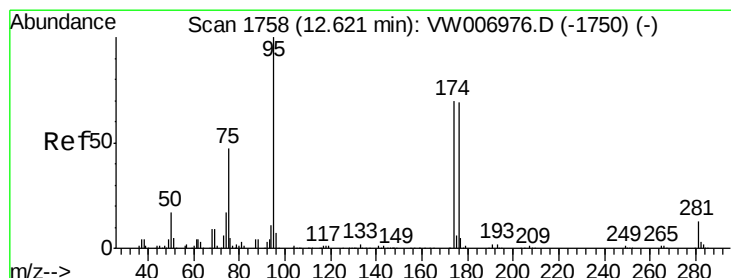
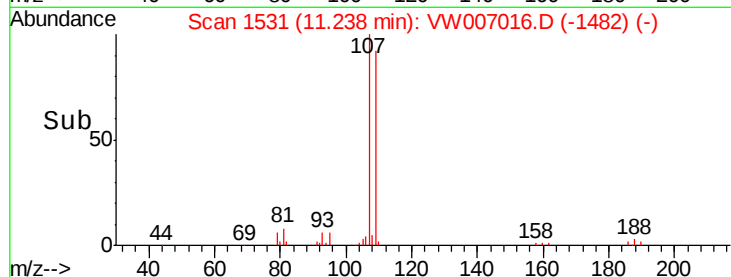
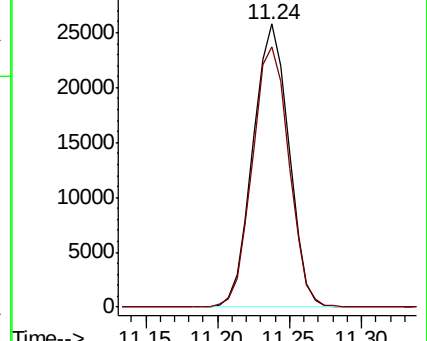
107 100

109 94.0 75.1 112.7



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.734 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

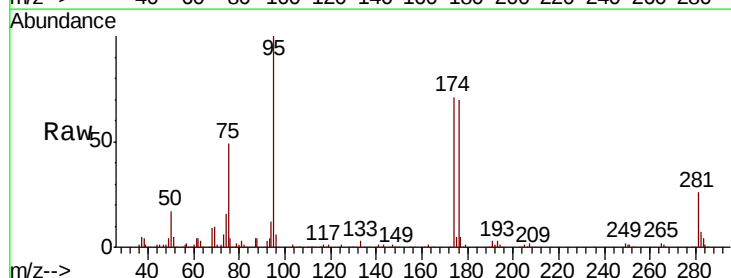
Tgt Ion: 95 Resp: 82992

Ion Ratio Lower Upper

95 100

174 72.2 0.0 143.6

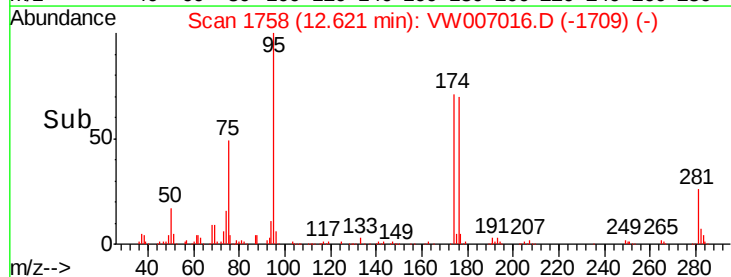
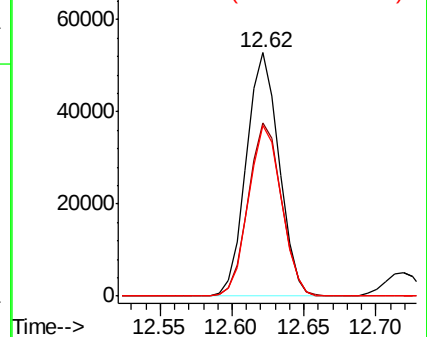
176 70.8 0.0 140.4

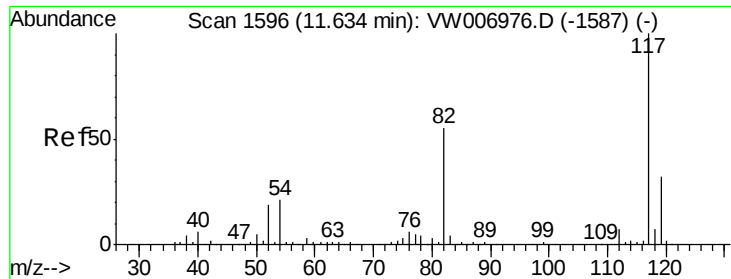


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

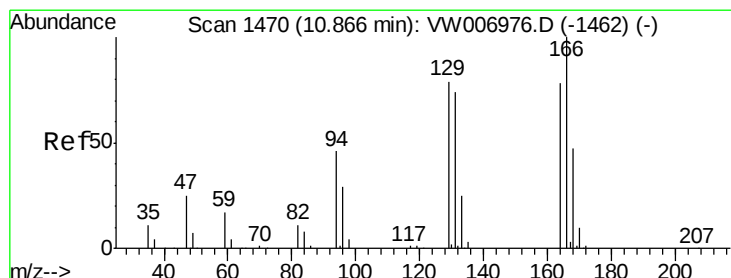
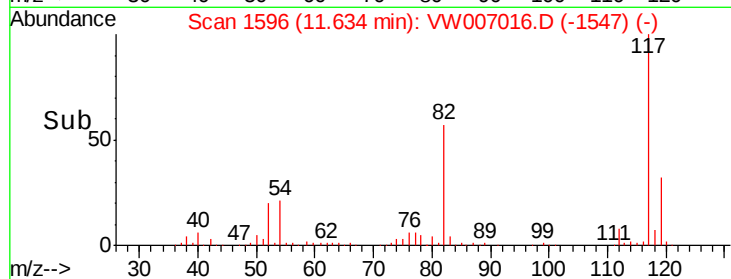
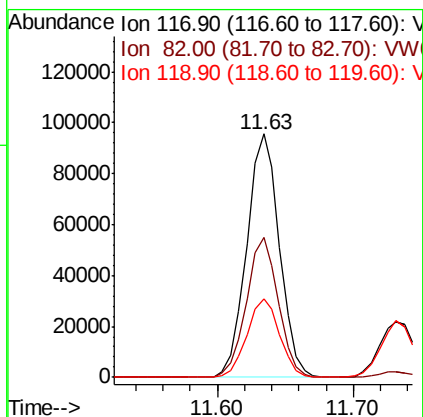
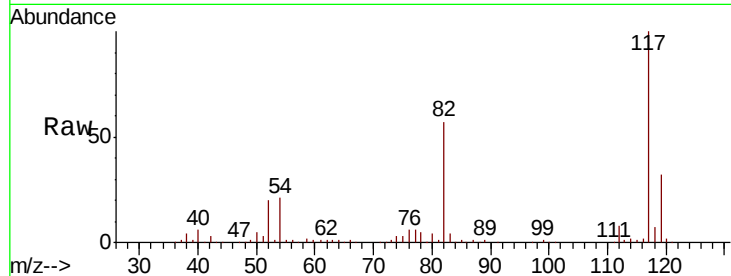




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

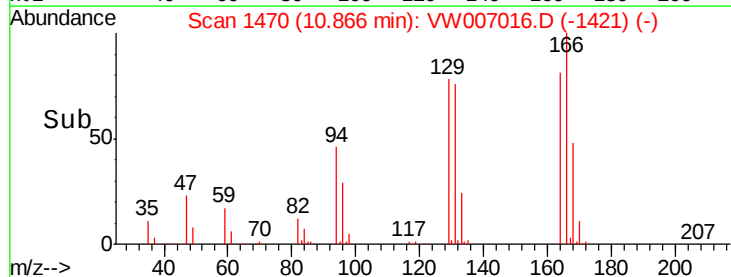
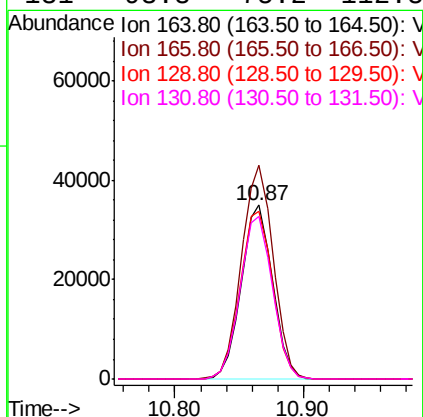
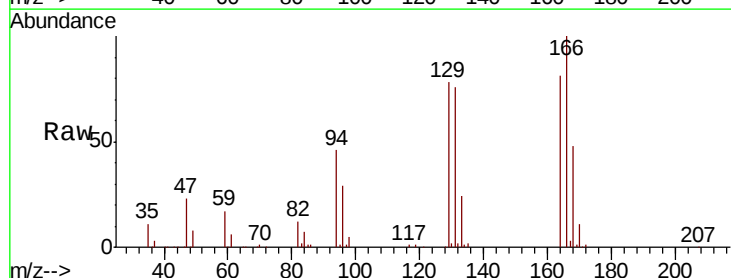
Instrument :
MSVOA_W
ClientSampleId :

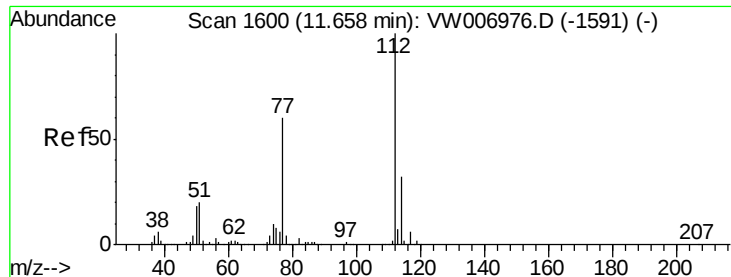
Tot Ion:117 Resp: 160599
Ion Ratio Lower Upper
117 100
82 57.4 44.2 66.2
119 32.0 25.9 38.9



#64
Tetrachloroethene
Concen: 56.710 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:164 Resp: 58591
Ion Ratio Lower Upper
164 100
166 122.9 102.1 153.1
129 96.2 80.4 120.6
131 93.8 75.2 112.8

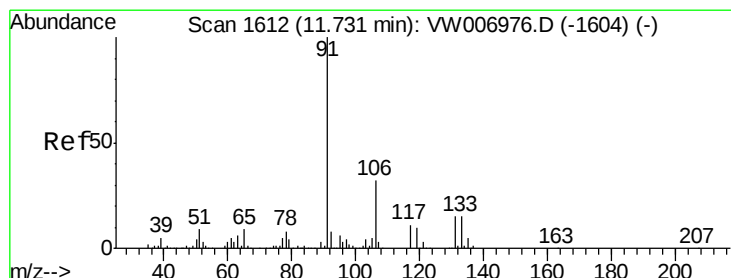
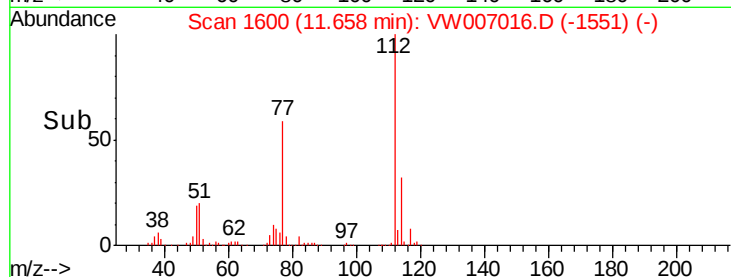
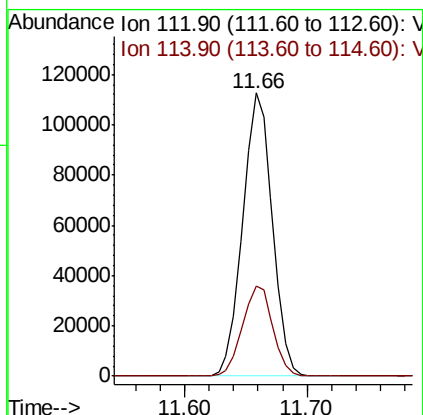
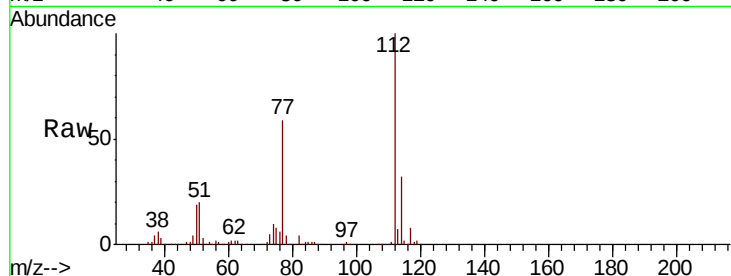




#65
Chlorobenzene
Concen: 56.537 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

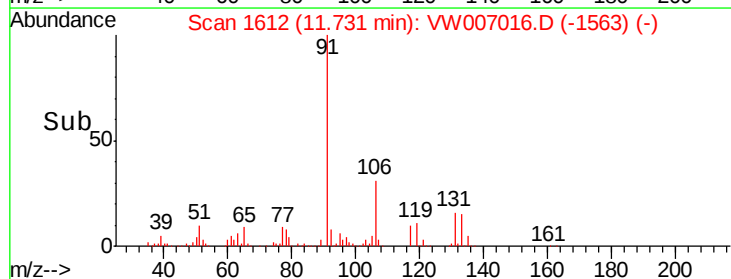
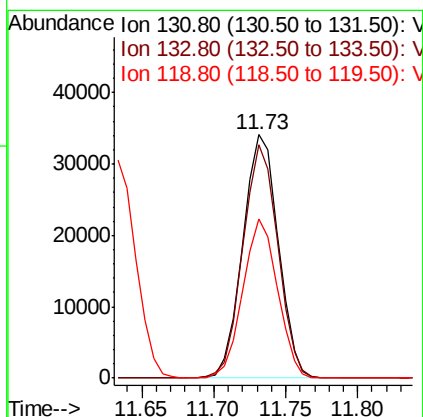
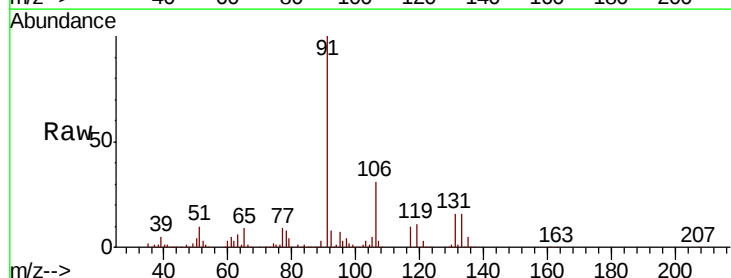
Instrument :
MSVOA_W
ClientSampleId :

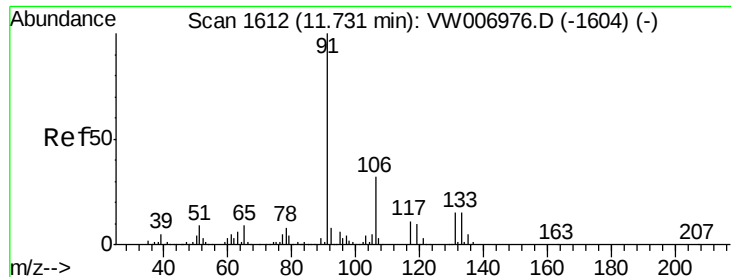
Tot Ion:112 Resp: 189508
Ion Ratio Lower Upper
112 100
114 31.9 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 57.303 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:131 Resp: 58105
Ion Ratio Lower Upper
131 100
133 94.6 47.7 143.1
119 63.9 31.8 95.3

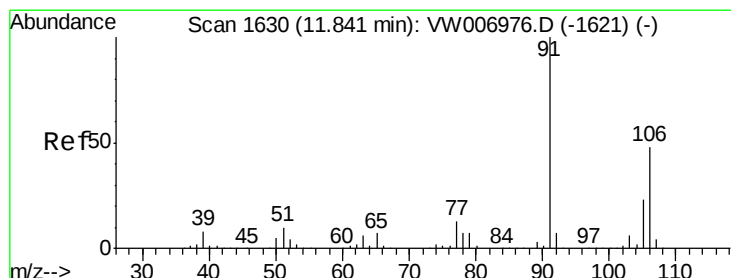
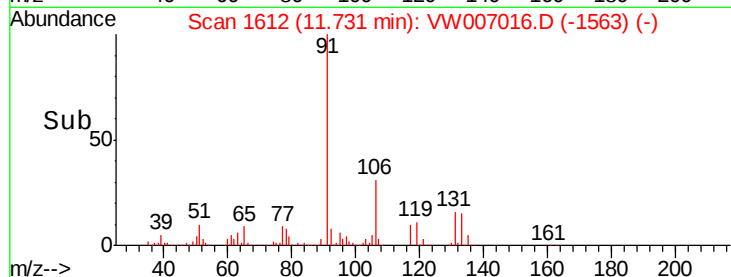
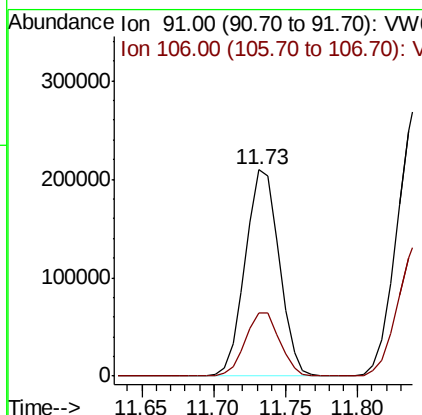
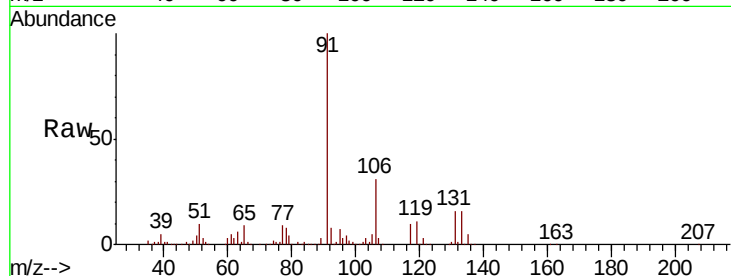




#67
Ethyl Benzene
Concen: 55.477 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

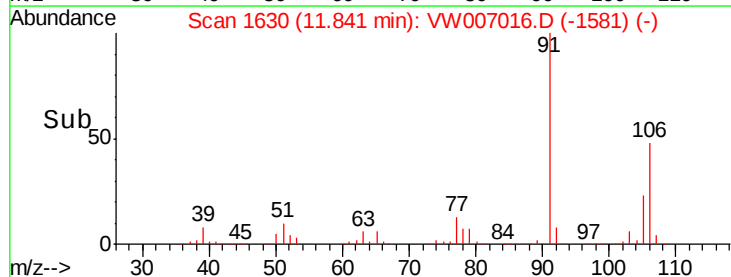
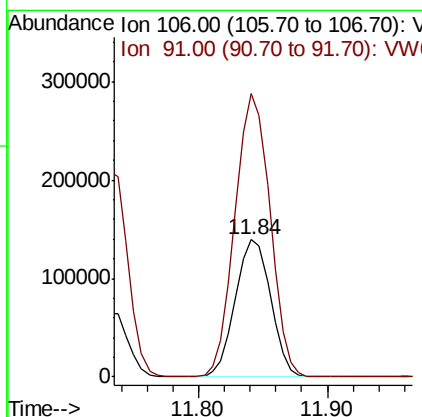
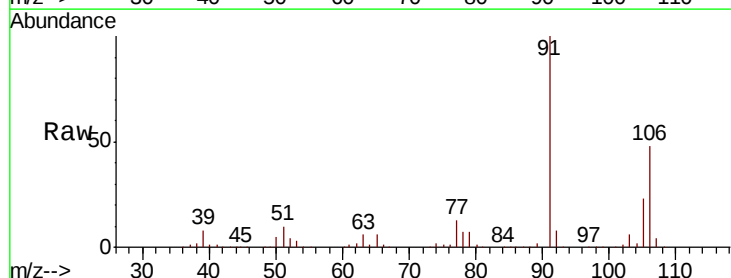
Instrument :
MSVOA_W
ClientSampled :

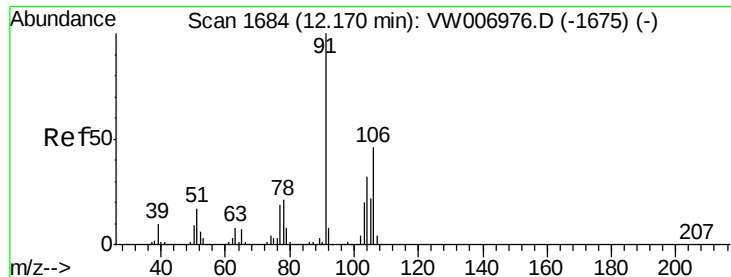
Tot Ion: 91 Resp: 341614
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



#68
m/p-Xylenes
Concen: 110.402 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 106 Resp: 266715
Ion Ratio Lower Upper
106 100
91 204.4 164.8 247.2

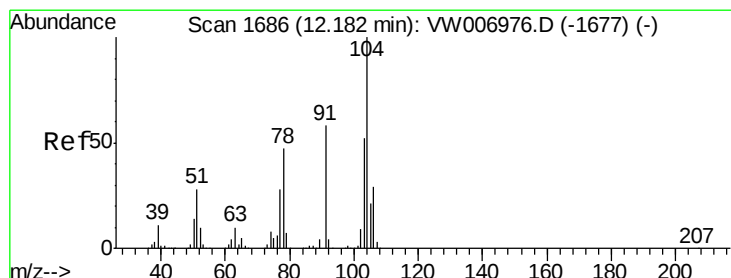
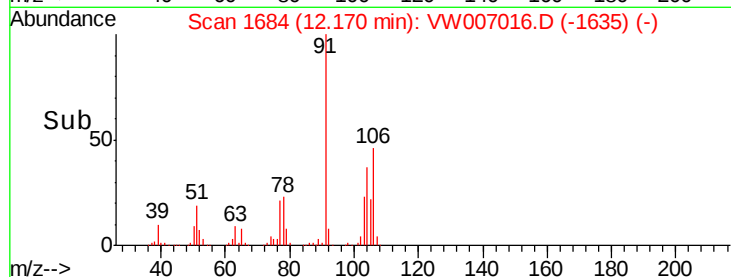
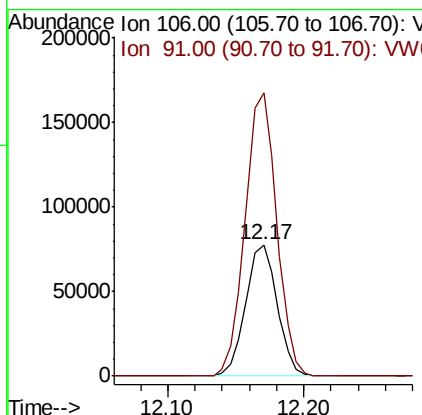
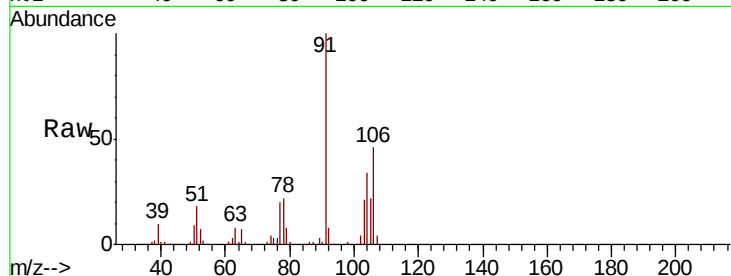




#69
o-Xylene
Concen: 55.745 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

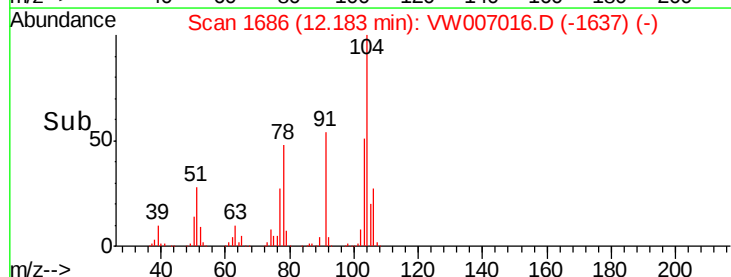
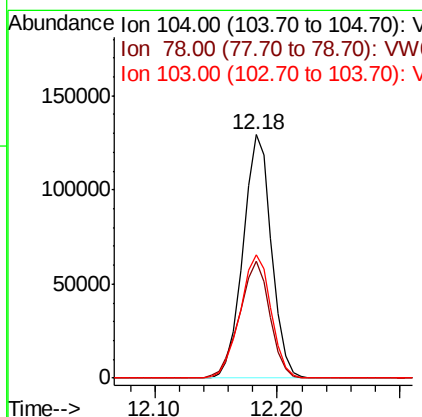
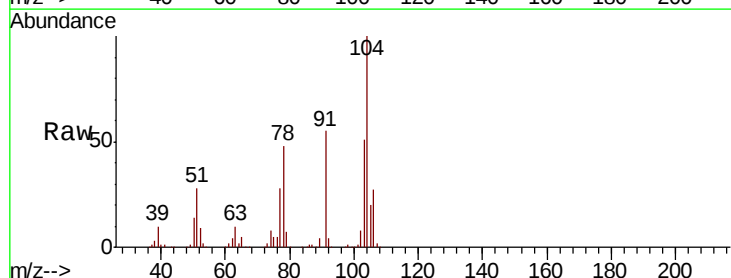
Instrument :
MSVOA_W
ClientSampleId :

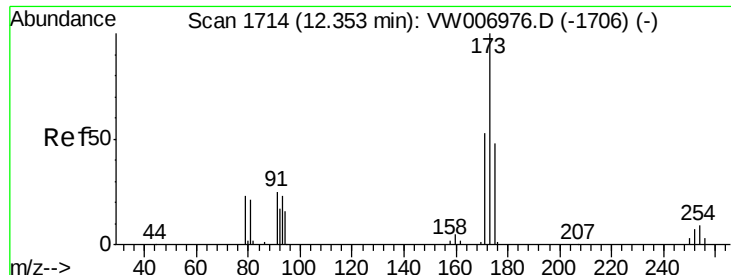
Tot Ion:106 Resp: 126986
Ion Ratio Lower Upper
106 100
91 215.4 107.9 323.8



#70
Styrene
Concen: 57.265 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:104 Resp: 207619
Ion Ratio Lower Upper
104 100
78 51.8 41.8 62.8
103 55.2 44.4 66.6





#71

Bromoform

Concen: 61.417 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampleId :

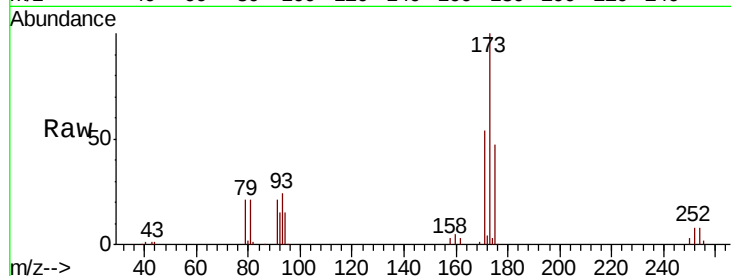
Tot Ion:173 Resp: 29337

Ion Ratio Lower Upper

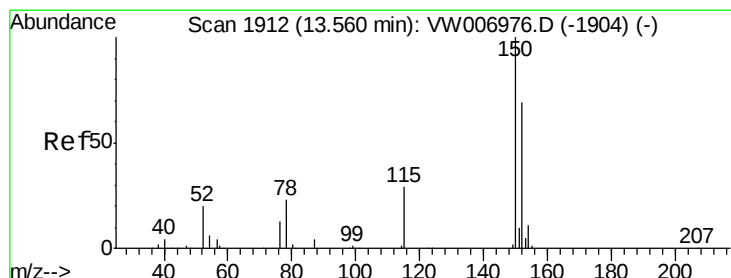
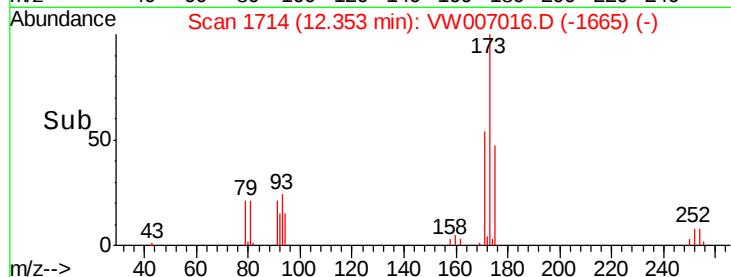
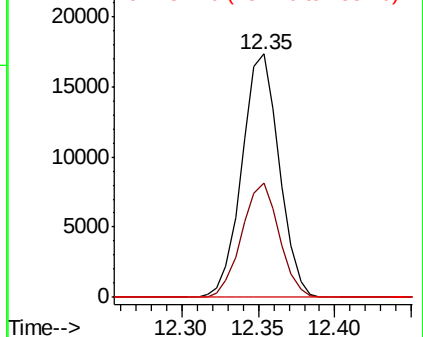
173 100

175 47.1 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: VW007016.D

Acq: 21 Nov 2018 22:38

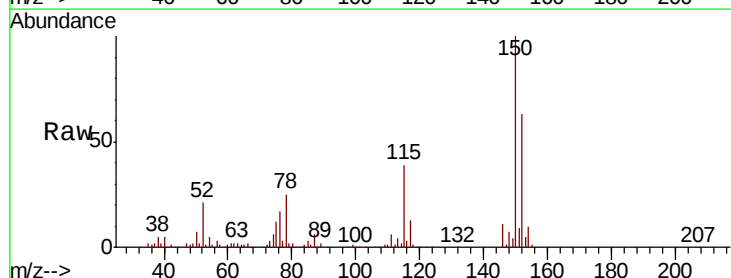
Tgt Ion:152 Resp: 80031

Ion Ratio Lower Upper

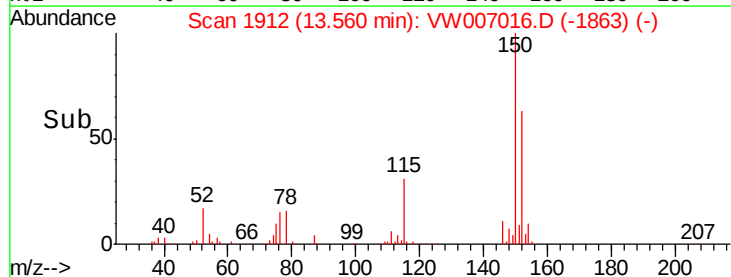
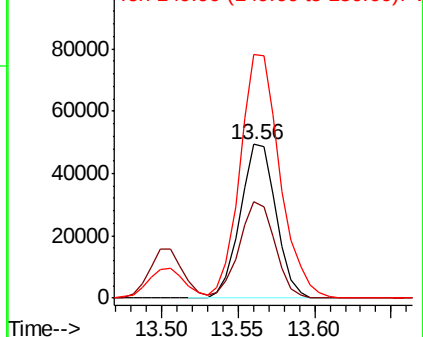
152 100

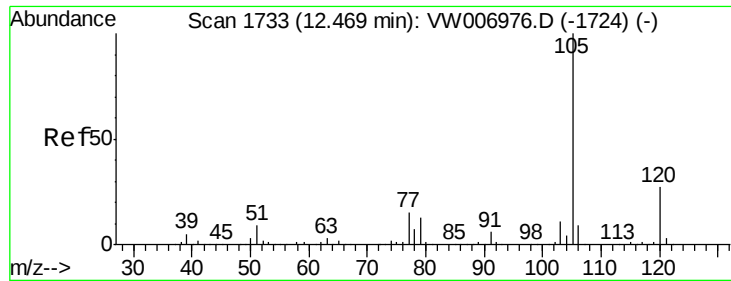
115 62.5 31.4 94.2

150 176.0 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: 55.113 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

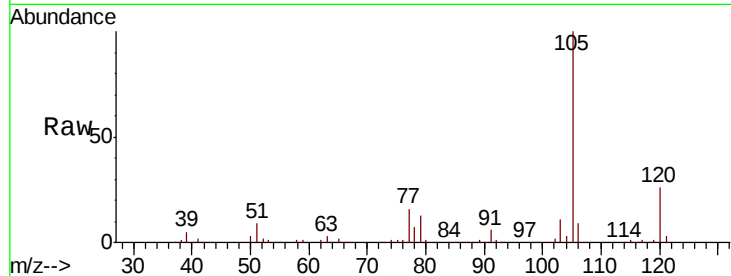
ClientSampleId :

Tot Ion:105 Resp: 342797

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

100000

50000

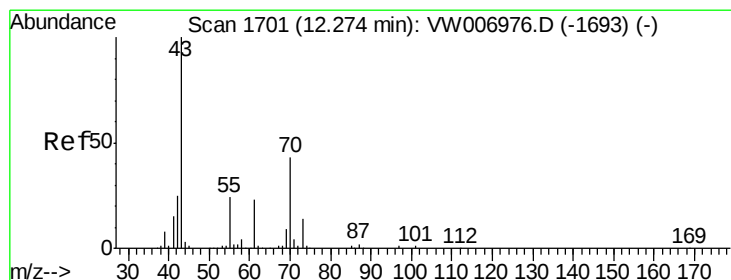
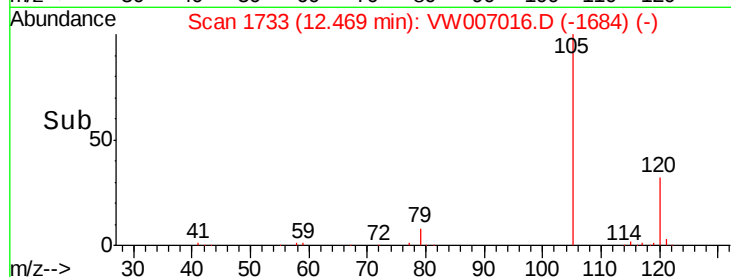
0

12.47

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 63.498 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Tgt Ion: 43 Resp: 66193

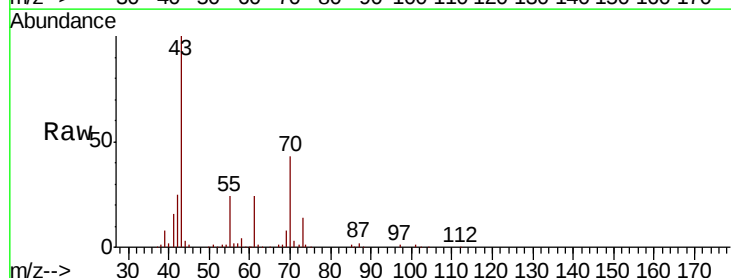
Ion Ratio Lower Upper

43 100

70 42.5 34.0 51.0

55 24.2 19.4 29.0

61 24.6 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

60000

40000

20000

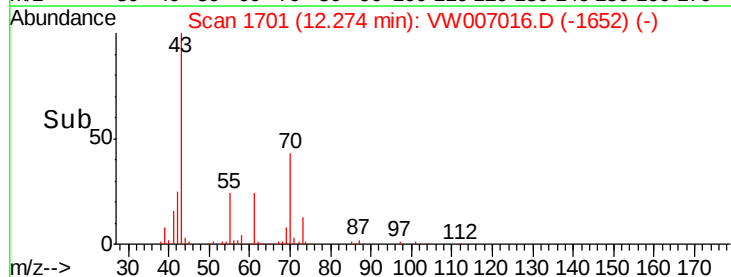
0

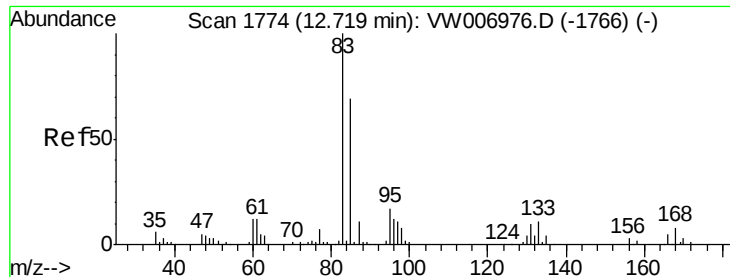
12.27

12.20

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 60.319 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampleId :

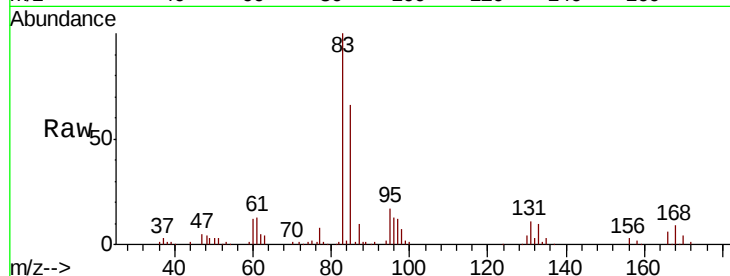
Tot Ion: 83 Resp: 49930

Ion Ratio Lower Upper

83 100

131 11.5 5.7 17.1

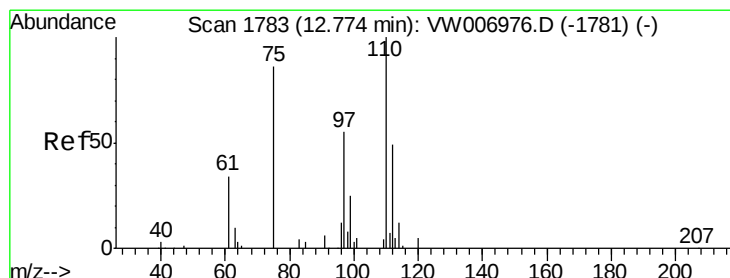
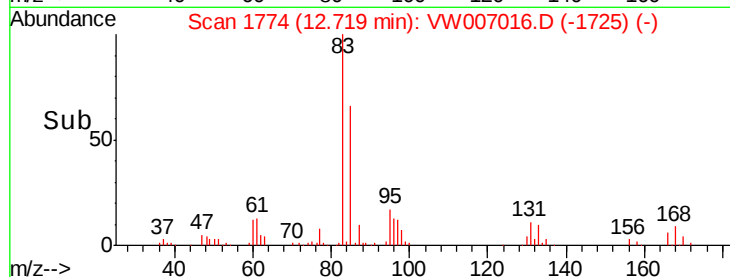
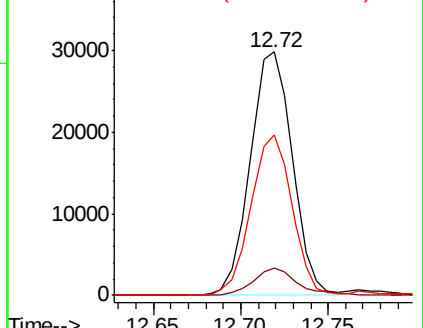
85 64.2 33.1 99.2



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: 108.813 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW007016.D

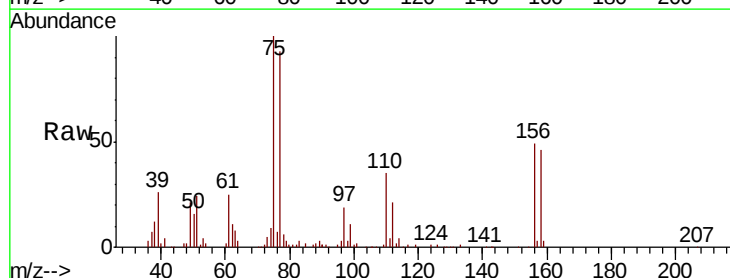
Acq: 21 Nov 2018 22:38

Tgt Ion: 75 Resp: 68430

Ion Ratio Lower Upper

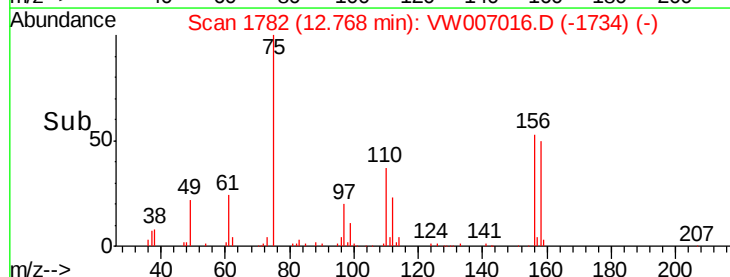
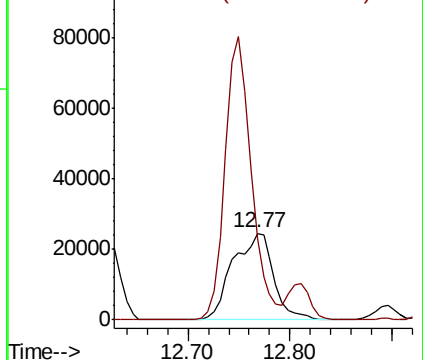
75 100

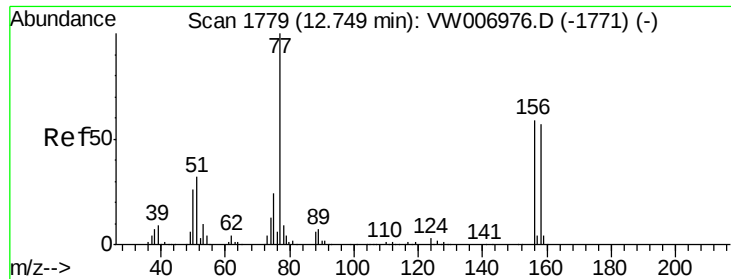
77 210.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 57.518 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampleId :

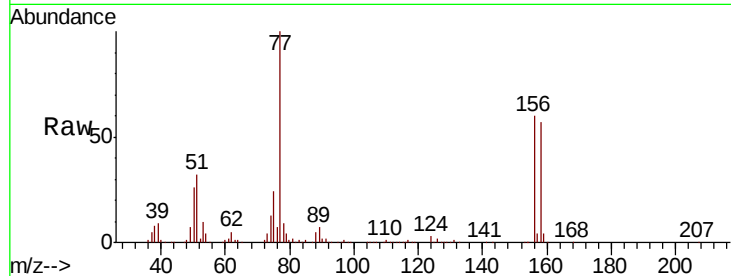
Tot Ion:156 Resp: 76840

Ion Ratio Lower Upper

156 100

77 187.7 94.6 283.8

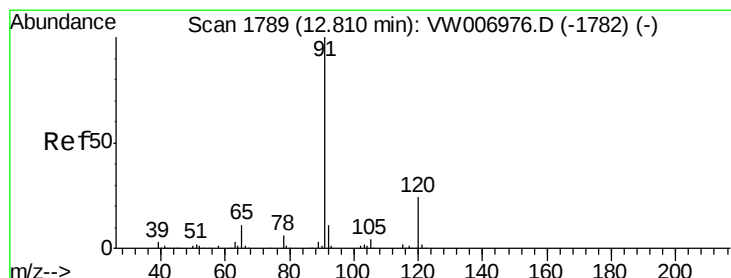
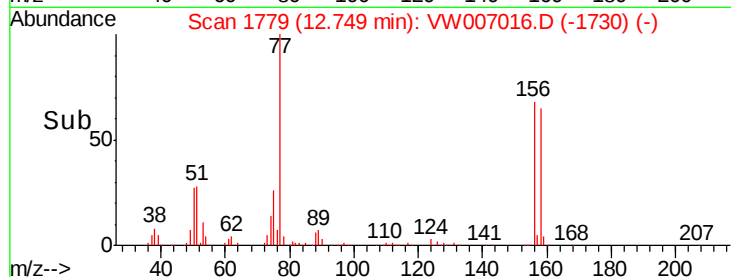
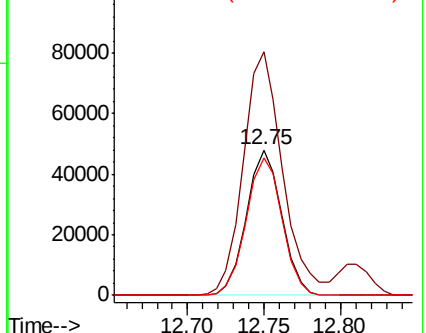
158 96.5 48.9 146.7



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: 54.374 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW007016.D

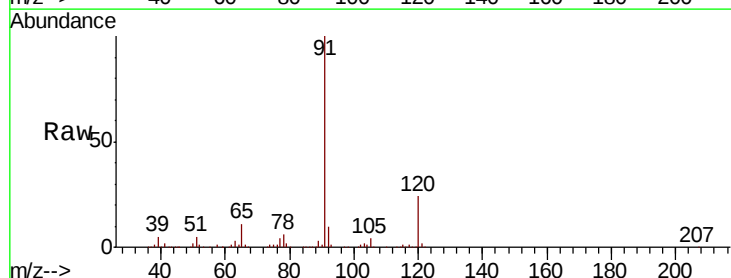
Acq: 21 Nov 2018 22:38

Tgt Ion: 91 Resp: 409662

Ion Ratio Lower Upper

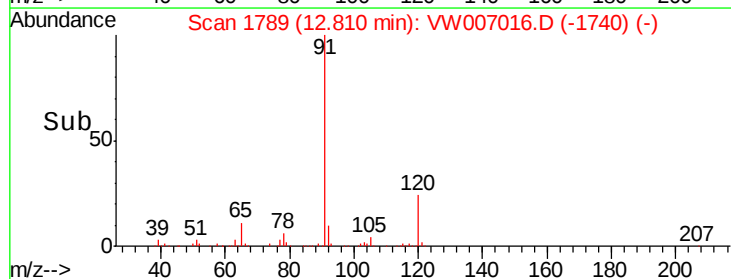
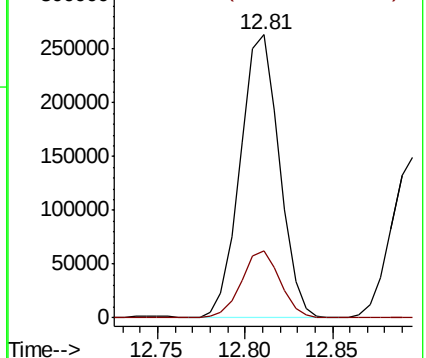
91 100

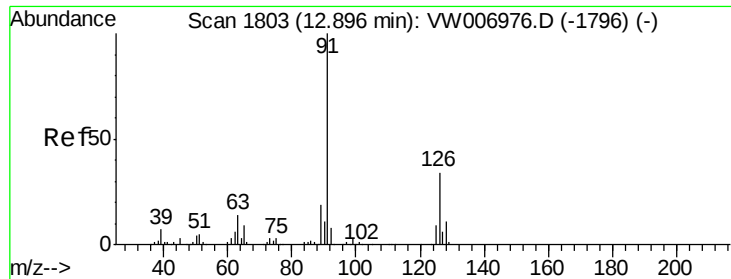
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

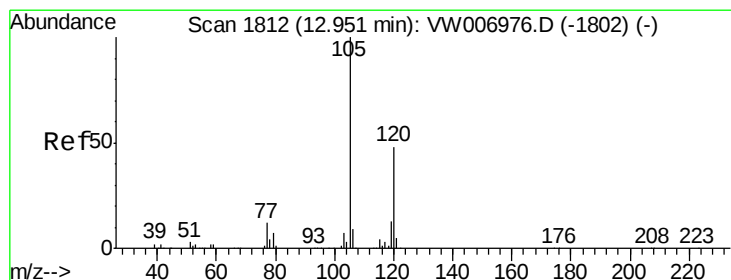
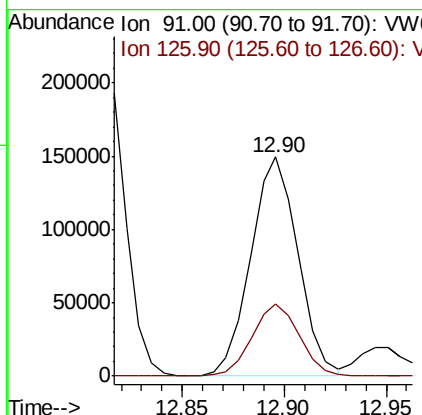
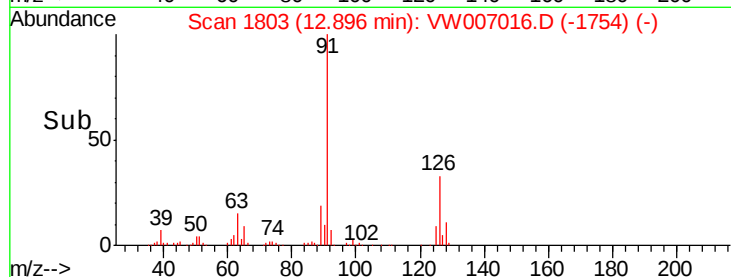
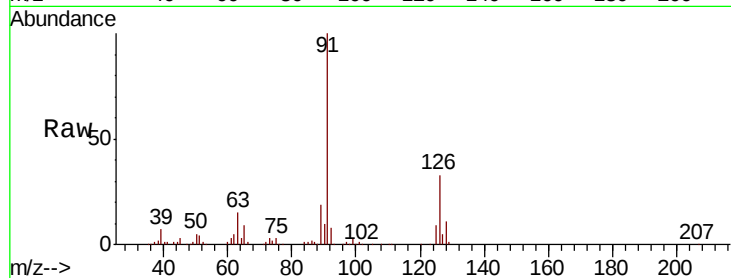




#79
2-Chlorotoluene
Concen: 55.352 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

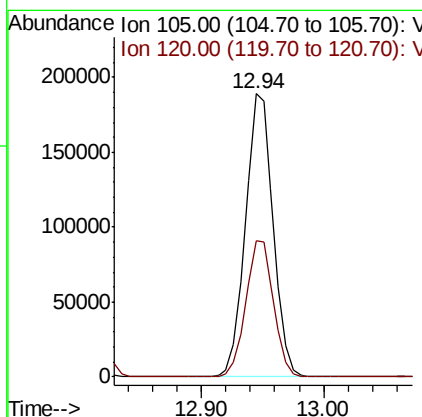
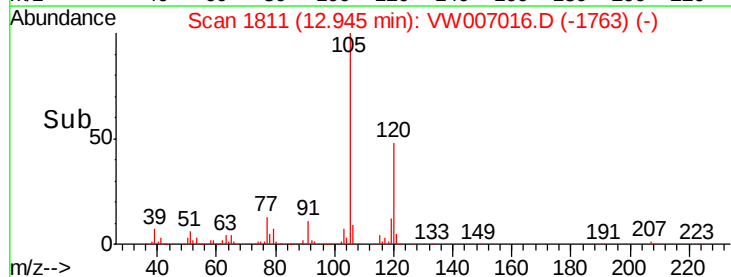
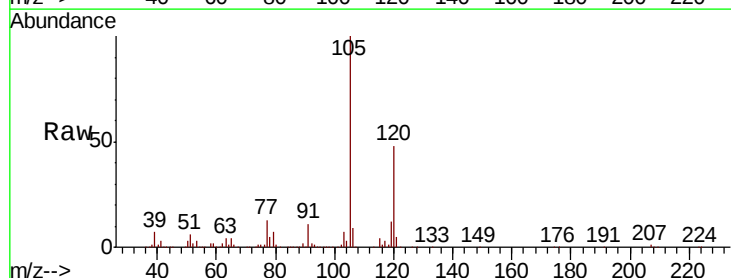
Instrument :
MSVOA_W
ClientSampled :

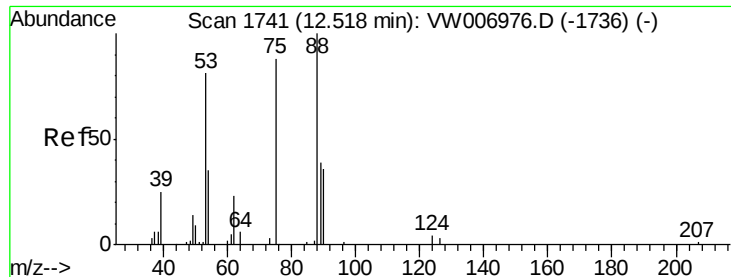
Tot Ion: 91 Resp: 240458
Ion Ratio Lower Upper
91 100
126 33.0 16.7 50.0



#80
1,3,5-Trimethylbenzene
Concen: 55.017 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. -0.01 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:105 Resp: 295918
Ion Ratio Lower Upper
105 100
120 48.3 23.8 71.2

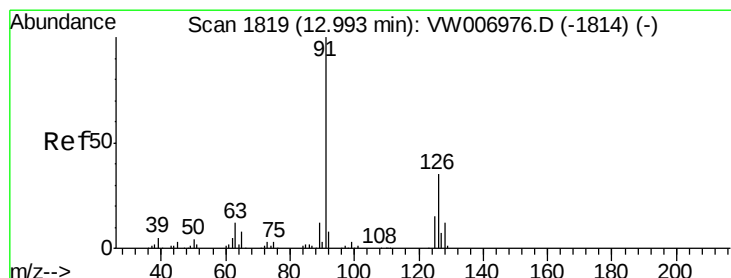
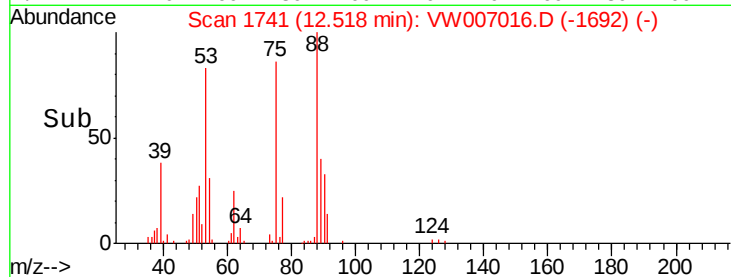
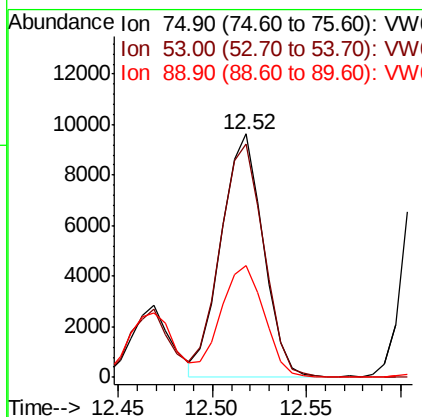
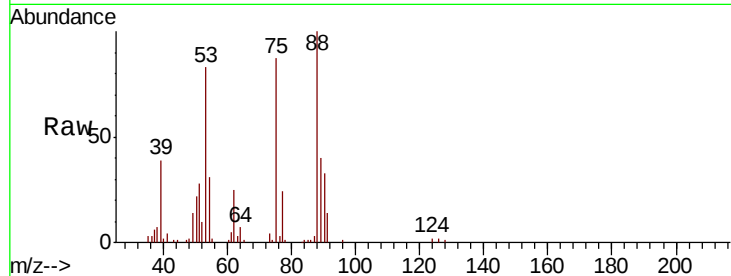




#81
trans-1,4-Dichloro-2-butene
Concen: 59.755 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

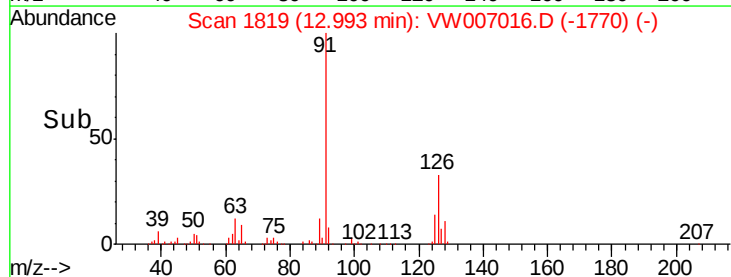
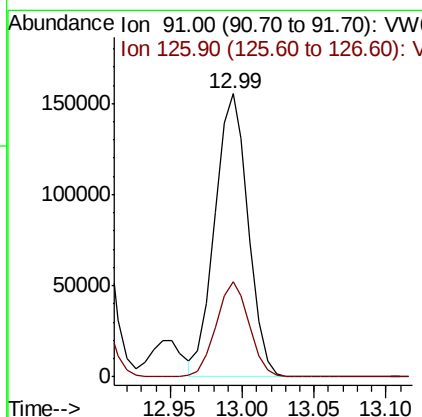
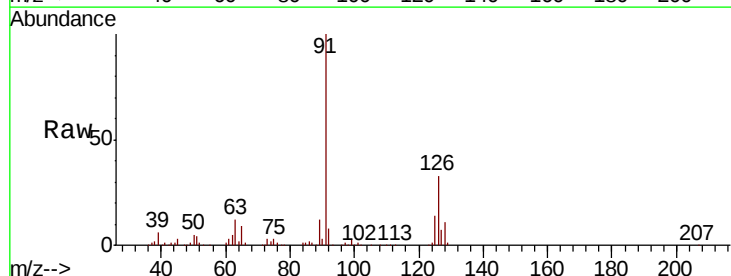
Instrument :
MSVOA_W
ClientSampleId :

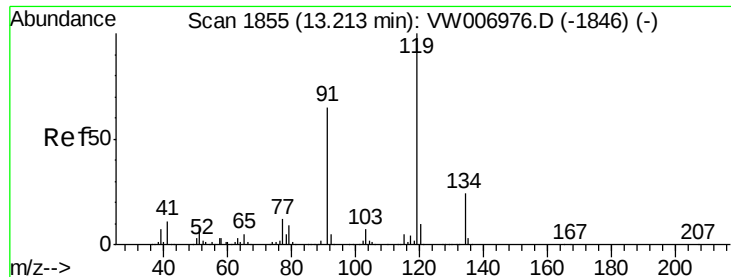
Tot Ion: 75 Resp: 14968
Ion Ratio Lower Upper
75 100
53 99.1 77.6 116.4
89 47.9 39.3 58.9



#82
4-Chlorotoluene
Concen: 55.073 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion: 91 Resp: 251065
Ion Ratio Lower Upper
91 100
126 33.1 16.6 49.7

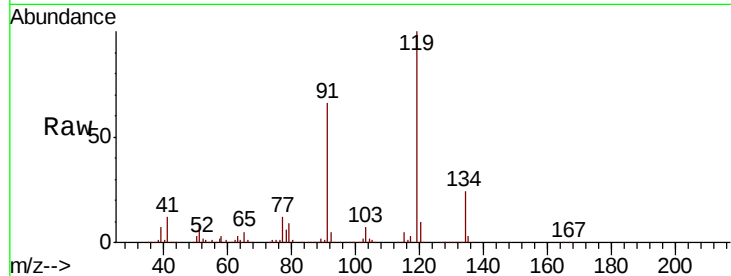




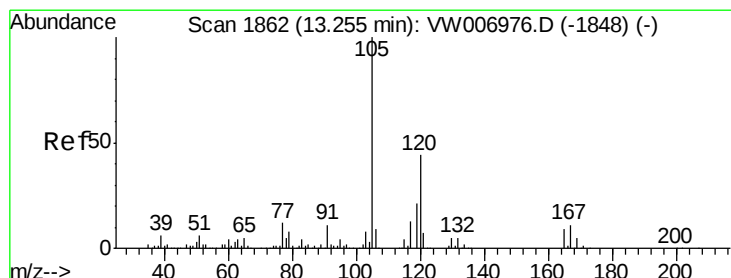
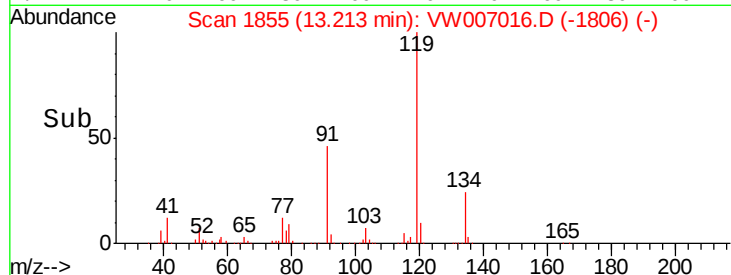
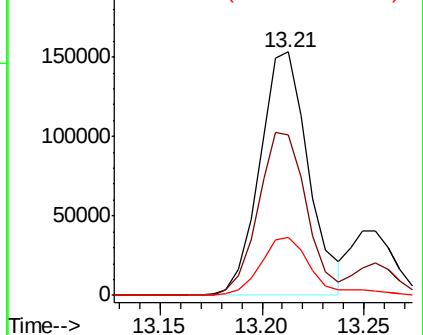
#83
tert-Butylbenzene
Concen: 54.576 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:119 Resp: 254148
Ion Ratio Lower Upper
119 100
91 66.8 33.5 100.5
134 25.4 12.6 37.8

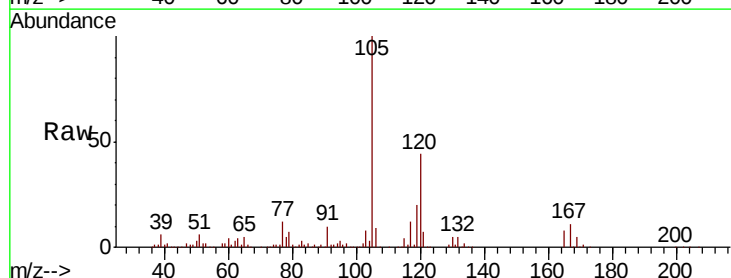


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

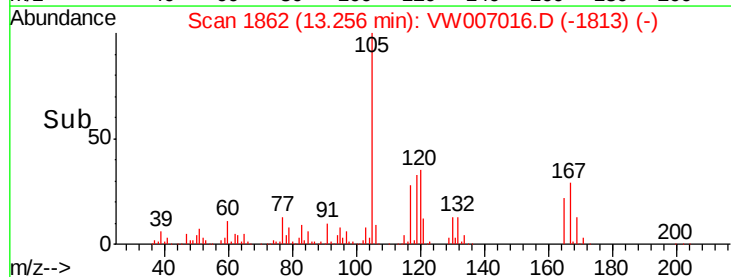
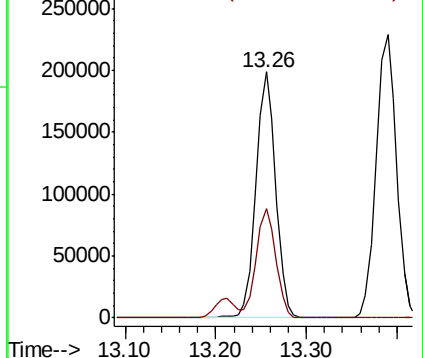


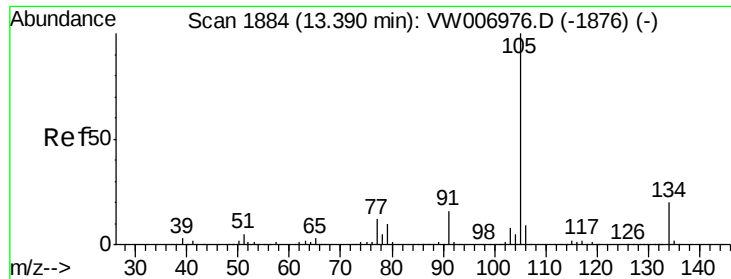
#84
1,2,4-Trimethylbenzene
Concen: 55.725 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:105 Resp: 298618
Ion Ratio Lower Upper
105 100
120 44.8 21.8 65.3



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

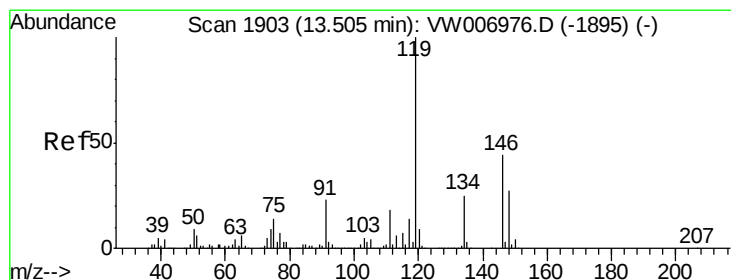
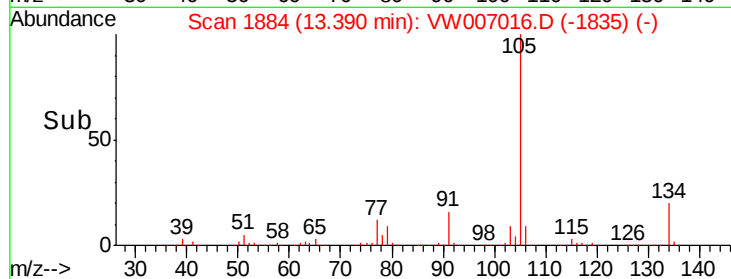
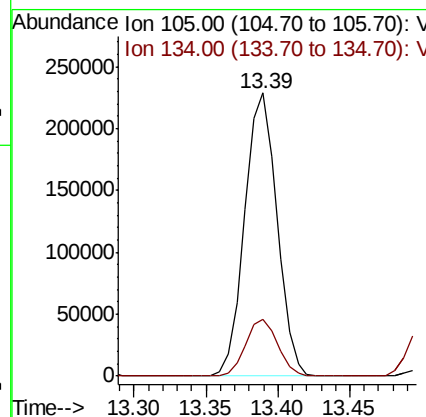
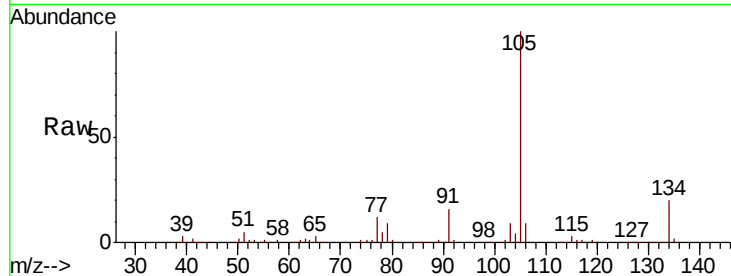




#85
 sec-Butylbenzene
 Concen: 54.158 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

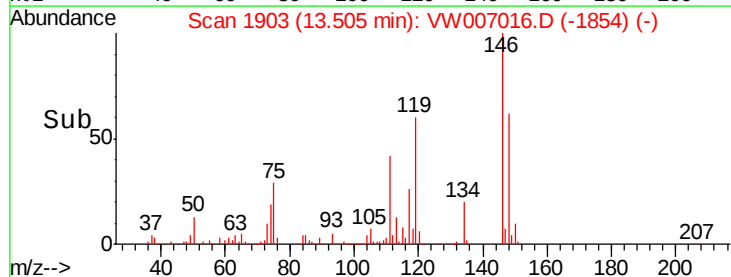
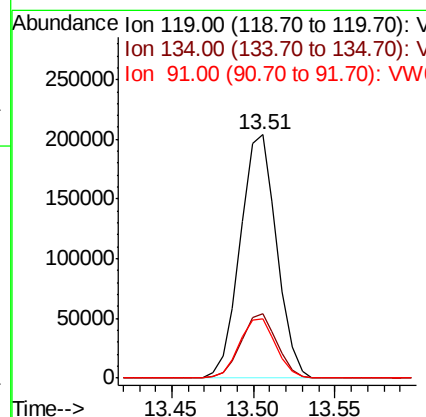
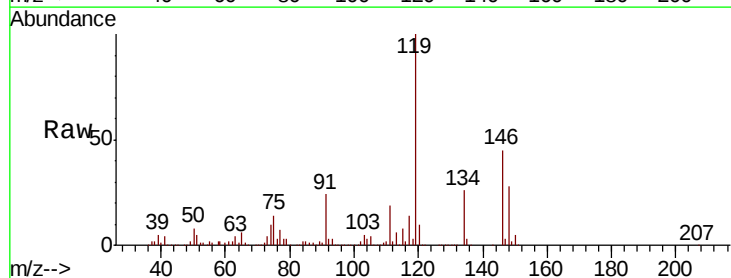
Instrument :
 MSVOA_W
 ClientSampled :

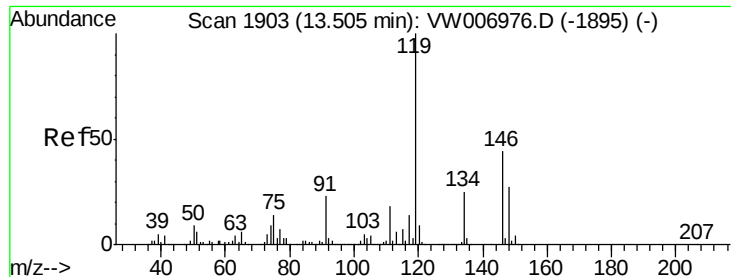
Tot Ion:105 Resp: 356291
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 54.494 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW007016.D
 Acq: 21 Nov 2018 22:38

Tgt Ion:119 Resp: 316272
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.8 38.3
 91 24.5 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 55.909 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampled :

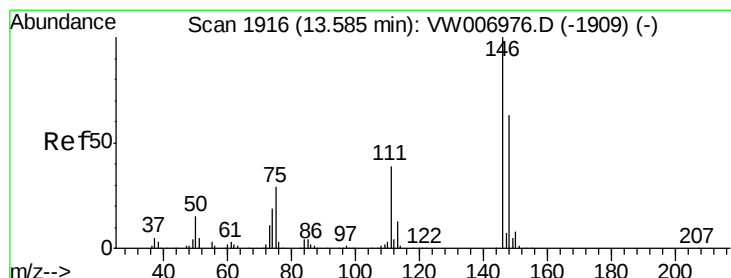
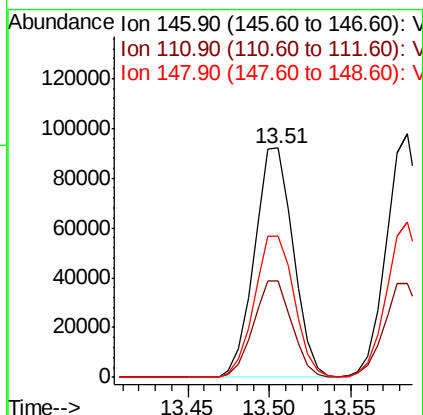
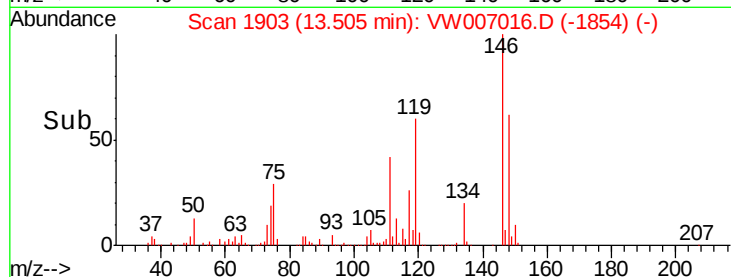
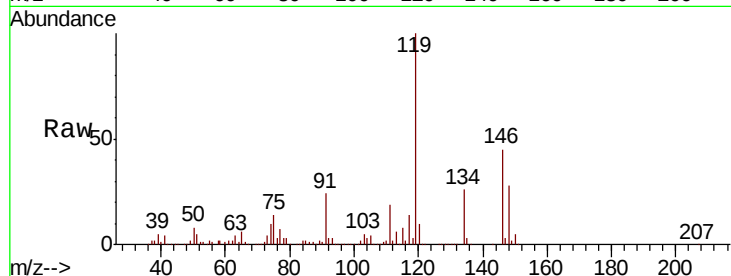
Tot Ion:146 Resp: 152483

Ion Ratio Lower Upper

146 100

111 42.0 21.1 63.3

148 63.3 31.6 94.8



#88

1,4-Dichlorobenzene

Concen: 56.326 ug/l

RT: 13.58 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

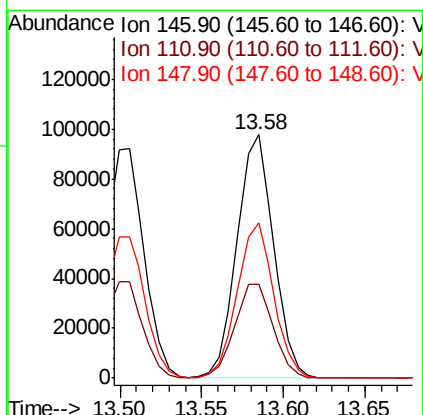
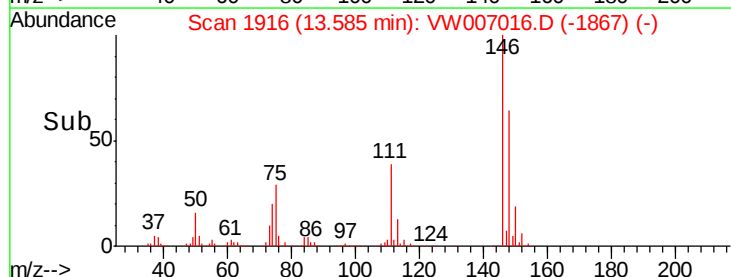
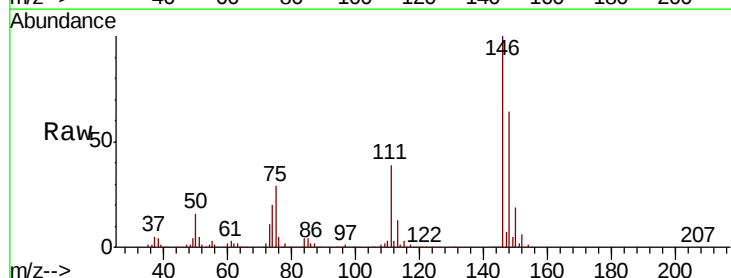
Tgt Ion:146 Resp: 153164

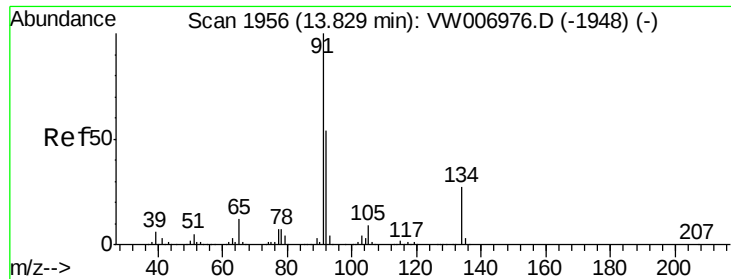
Ion Ratio Lower Upper

146 100

111 40.6 20.6 61.8

148 63.5 32.3 96.8





#89

n-Butylbenzene

Concen: 54.810 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampleId :

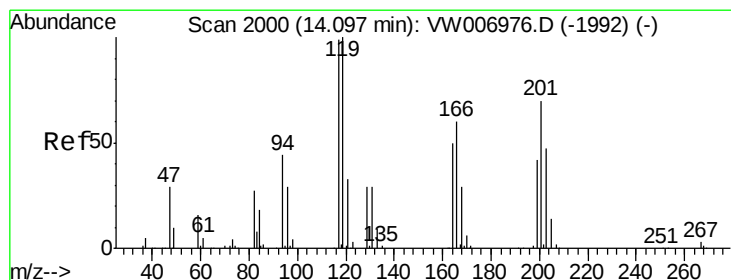
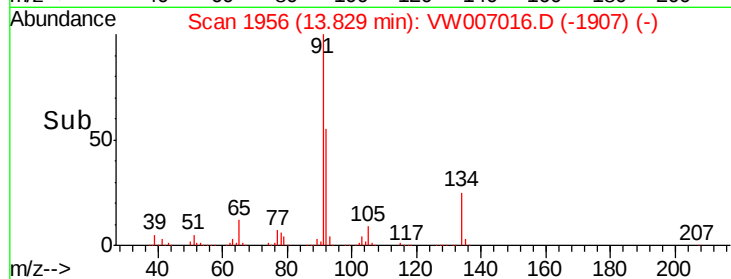
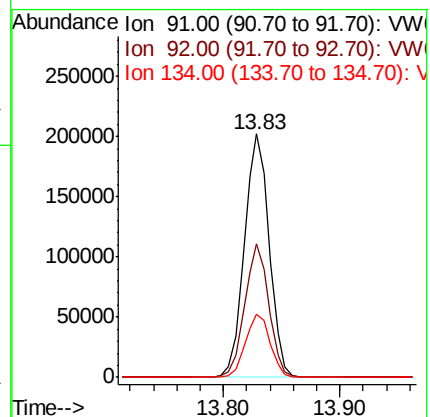
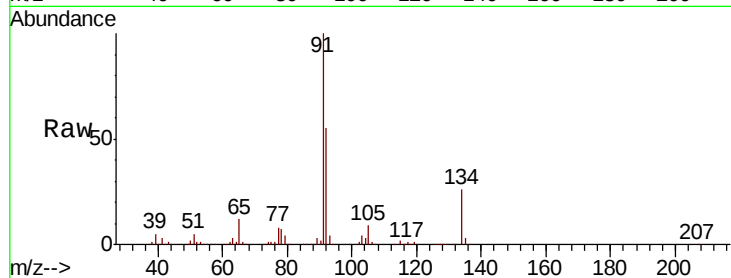
Tot Ion: 91 Resp: 299359

Ion Ratio Lower Upper

91 100

92 53.4 26.8 80.4

134 26.1 13.3 39.8



#90

Hexachloroethane

Concen: 56.385 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW007016.D

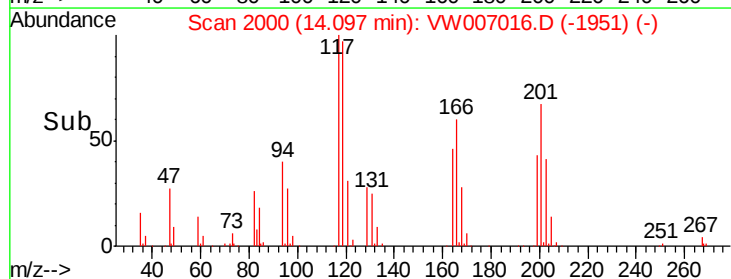
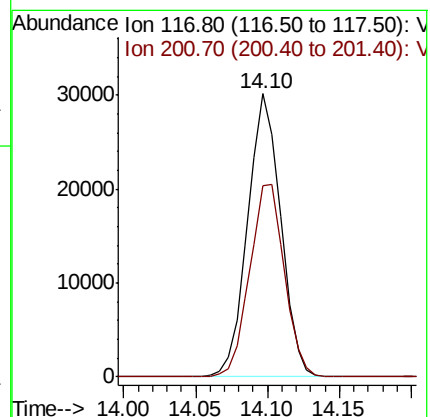
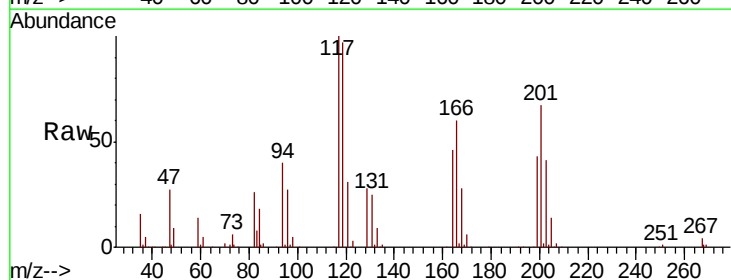
Acq: 21 Nov 2018 22:38

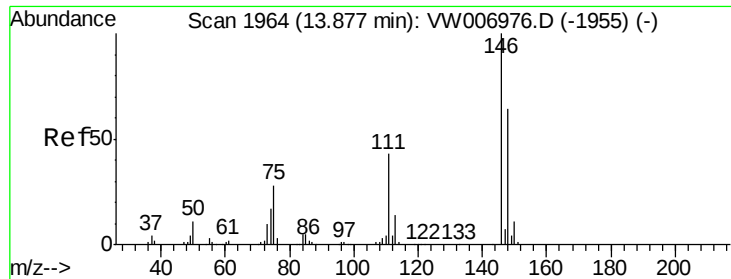
Tgt Ion: 117 Resp: 47777

Ion Ratio Lower Upper

117 100

201 71.4 35.9 107.5





#91

1,2-Dichlorobenzene

Concen: 57.038 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

Instrument :

MSVOA_W

ClientSampled :

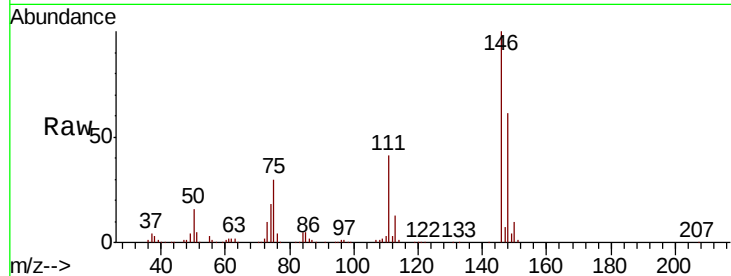
Tot Ion:146 Resp: 136308

Ion Ratio Lower Upper

146 100

111 43.0 21.9 65.7

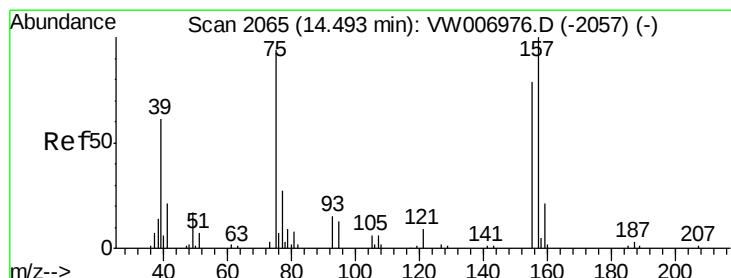
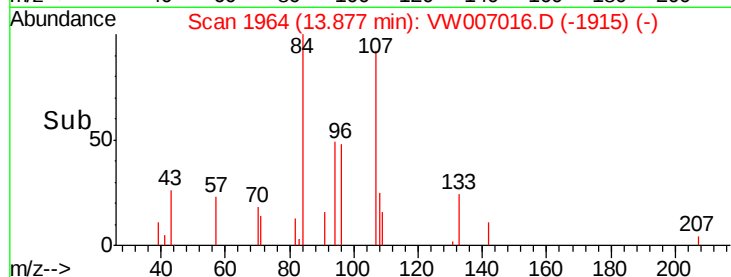
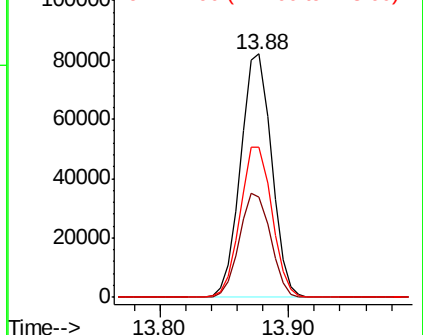
148 63.4 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 63.246 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VW007016.D

Acq: 21 Nov 2018 22:38

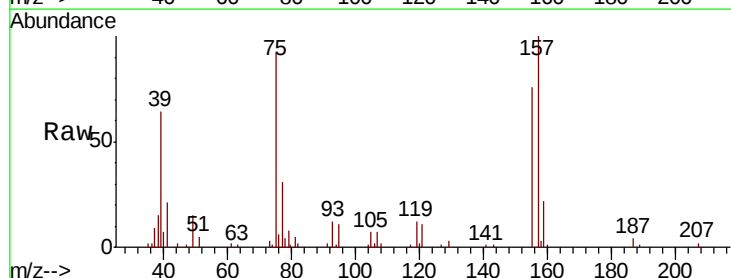
Tgt Ion: 75 Resp: 8842

Ion Ratio Lower Upper

75 100

155 81.4 42.6 127.8

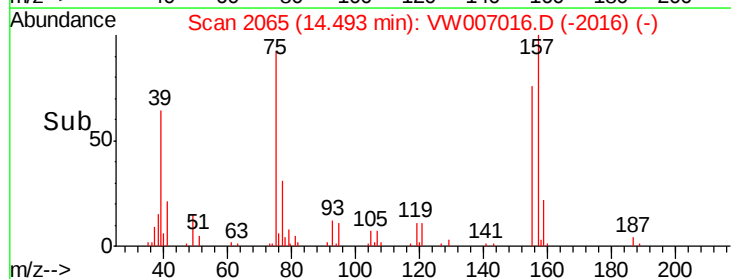
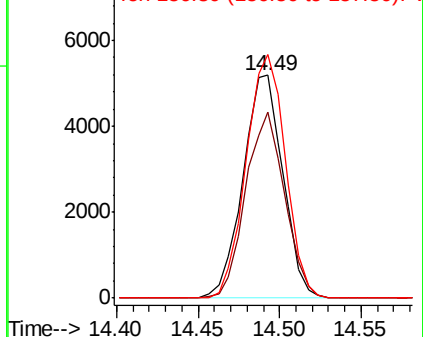
157 107.1 55.0 165.0

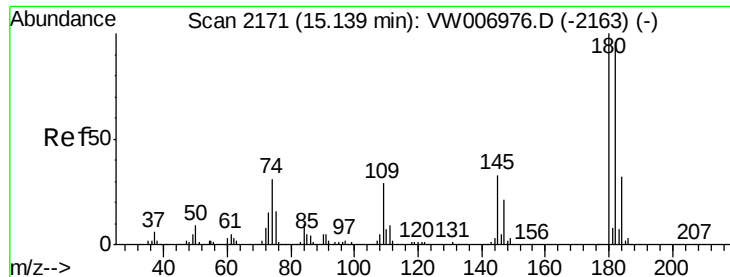


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

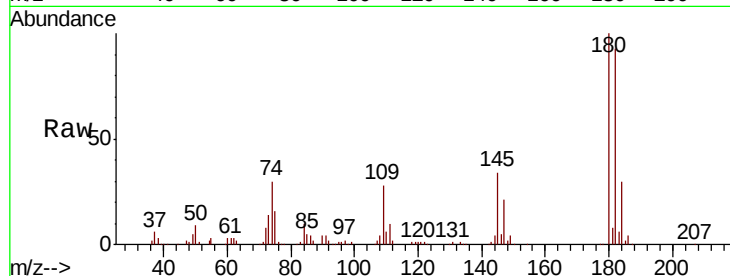




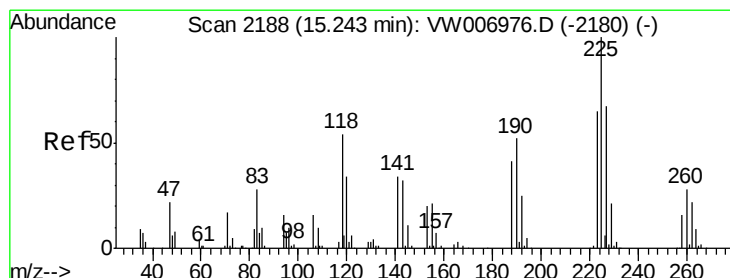
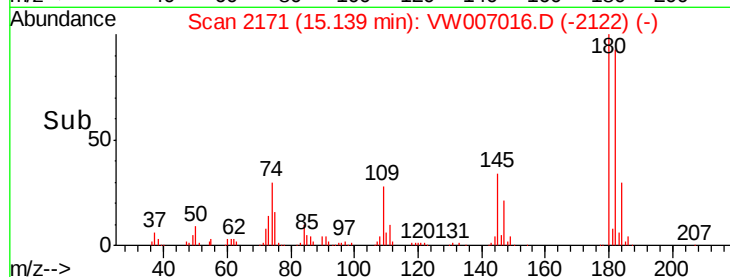
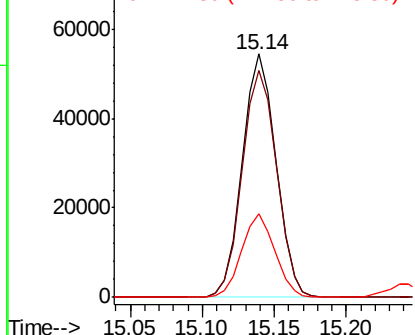
#93
1,2,4-Trichlorobenzene
Concen: 55.963 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:180 Resp: 88189
Ion Ratio Lower Upper
180 100
182 95.3 47.1 141.3
145 33.7 16.5 49.5

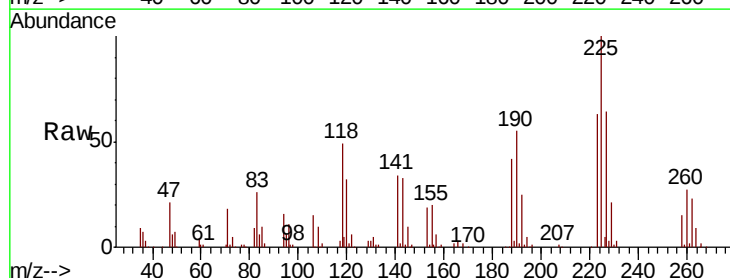


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

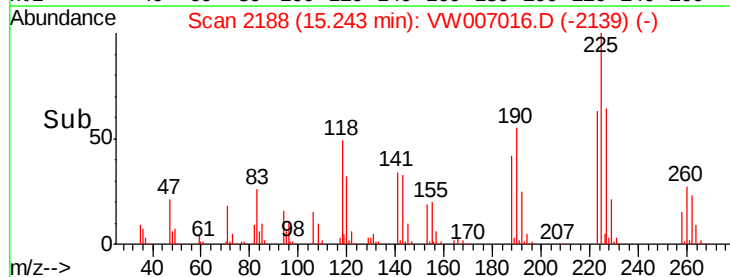
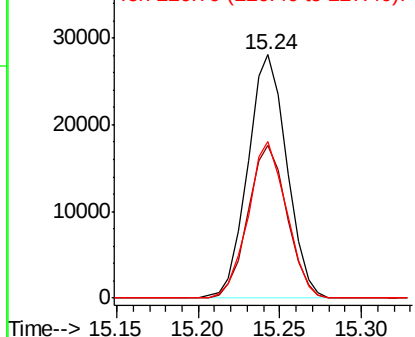


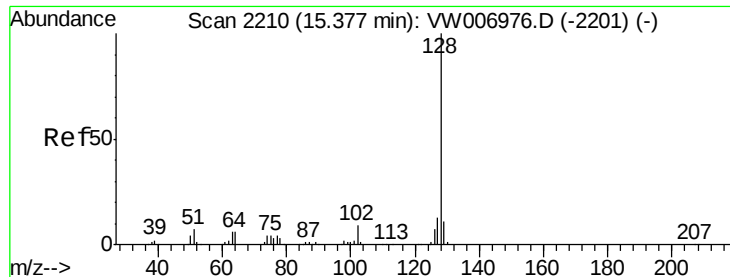
#94
Hexachlorobutadiene
Concen: 54.532 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:225 Resp: 46716
Ion Ratio Lower Upper
225 100
223 62.7 32.4 97.0
227 63.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

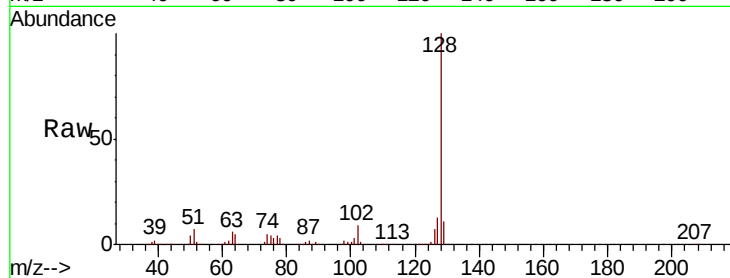




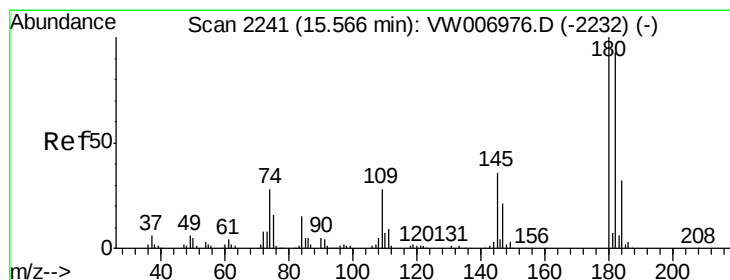
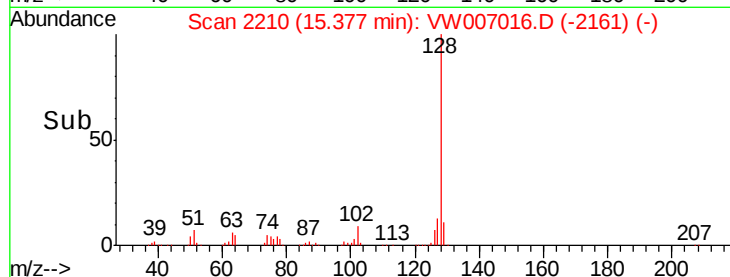
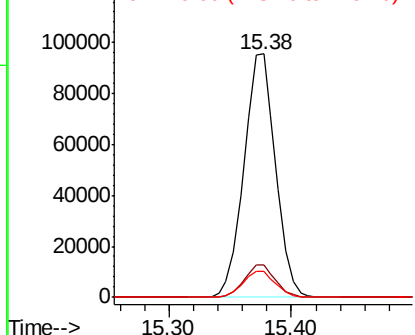
#95
Naphthalene
Concen: 59.829 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 171141
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.9 8.7 13.1

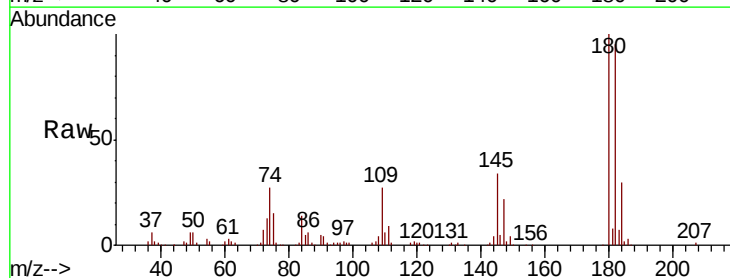


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 58.079 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VW007016.D
Acq: 21 Nov 2018 22:38

Tgt Ion:180 Resp: 75931
Ion Ratio Lower Upper
180 100
182 94.9 47.0 141.2
145 35.1 18.0 54.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

