

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019306.D
 Acq On : 09 Nov 2020 16:48
 Operator : SY/MD
 Sample : L4485-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

Quant Time: Nov 10 13:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	257191	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	253957	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	126061	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73808	37.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.38%
7) Chloroethane-d5	1.58	69	69531	44.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.42%
11) 1,1-Dichloroethene-d2	2.12	63	123567	33.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.26%
21) 2-Butanone-d5	3.91	46	120779	110.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.36%
24) Chloroform-d	4.37	84	164663	44.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.66%
26) 1,2-Dichloroethane-d4	5.05	65	117514	45.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.80%
32) Benzene-d6	5.07	84	302349	43.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.24%
36) 1,2-Dichloropropane-d6	6.09	67	101096	48.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.58%
41) Toluene-d8	7.33	98	269187	41.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.42%
43) trans-1,3-Dichloropropene-	7.64	79	50718	42.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.56%
47) 2-Hexanone-d5	8.11	63	72479	89.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.17%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	123809	44.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	116616	46.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.48%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3724	2.363	ug/L	98
3) Chloromethane	1.25	50	4485	2.734	ug/L	96
5) Vinyl chloride	1.32	62	5118	2.997	ug/L #	75
6) Bromomethane	1.53	94	3094	2.696	ug/L	88
8) Chloroethane	1.60	64	3316	2.969	ug/L	89
9) Trichlorofluoromethane	1.77	101	7957	2.814	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5387	4.010	ug/L #	81
12) 1,1-Dichloroethene	2.13	96	4874	3.510	ug/L #	1
13) Acetone	2.20	43	4575	5.497	ug/L	99
14) Carbon disulfide	2.31	76	10358	2.598	ug/L	99
15) Methyl Acetate	2.46	43	5021	3.113	ug/L #	83
16) Methylene chloride	2.52	84	5017	3.040	ug/L	88
17) trans-1,2-Dichloroethene	2.78	96	3820	2.536	ug/L	88
18) Methyl tert-butyl Ether	2.78	73	12991	2.454	ug/L	99
19) 1,1-Dichloroethane	3.21	63	7930	2.687	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	4254	2.556	ug/L	85
22) 2-Butanone	4.02	43	5974m	5.655	ug/L	

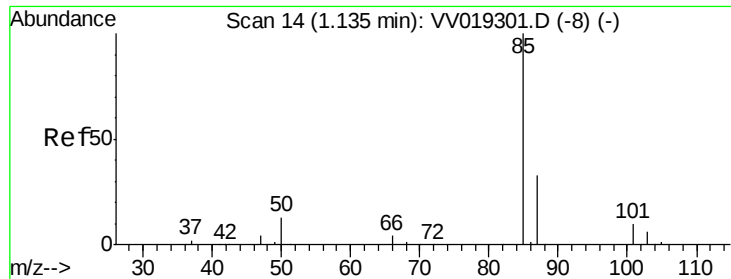
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019306.D
 Acq On : 09 Nov 2020 16:48
 Operator : SY/MD
 Sample : L4485-11
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

Quant Time: Nov 10 13:09:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2332	2.544	ug/L	93
25) Chloroform	4.40	83	10088	3.188	ug/L	98
27) 1,2-Dichloroethane	5.16	62	7001	2.603	ug/L	95
29) Cyclohexane	4.70	56	5738	2.640	ug/L #	54
30) 1,1,1-Trichloroethane	4.64	97	7071	2.401	ug/L	97
31) Carbon tetrachloride	4.85	117	6197	2.437	ug/L	99
33) Benzene	5.13	78	15803	2.504	ug/L	100
34) Trichloroethene	5.94	95	5178	3.019	ug/L	92
35) Methylcyclohexane	6.15	83	5622	2.708	ug/L	96
37) 1,2-Dichloropropane	6.20	63	4305	2.556	ug/L #	94
38) Bromodichloromethane	6.53	83	6181	2.550	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	6714m	2.491	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	10463	4.624	ug/L	98
42) Toluene	7.41	91	19488	2.857	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	6832	2.474	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	4168	2.504	ug/L	97
46) Tetrachloroethene	8.00	164	3524	2.518	ug/L	96
48) 2-Hexanone	8.16	43	12901m	7.541	ug/L	
49) Dibromochloromethane	8.27	129	4797	2.416	ug/L	100
50) 1,2-Dibromoethane	8.38	107	4295	2.489	ug/L #	99
51) Chlorobenzene	8.90	112	11791	2.584	ug/L	99
52) Ethylbenzene	9.04	91	17742	2.357	ug/L	94
53) m,p-Xylene	9.16	106	6399	2.271	ug/L	88
54) o-Xylene	9.57	106	6299	2.268	ug/L	81
55) Styrene	9.59	104	9130	1.847	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.26	83	6772	2.689	ug/L #	93
59) Bromoform	9.75	173	3338	2.386	ug/L #	96
60) Isopropylbenzene	9.95	105	15602	2.361	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	5432	2.774	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	12226	2.222	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	11332	2.105	ug/L	98
64) 1,3-Dichlorobenzene	11.20	146	8905	2.577	ug/L	95
65) 1,4-Dichlorobenzene	11.29	146	10355	2.896	ug/L	97
67) 1,2-Dichlorobenzene	11.66	146	9835	2.782	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.45	75	1239	2.169	ug/L	94
69) 1,3,5-Trichlorobenzene	12.67	180	6364	2.566	ug/L	97
70) 1,2,4-trichlorobenzene	13.29	180	4736	2.029	ug/L	92
71) Naphthalene	13.53	128	10765	1.635	ug/L #	97
72) 1,2,3-Trichlorobenzene	13.77	180	4788	2.069	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 2.363 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

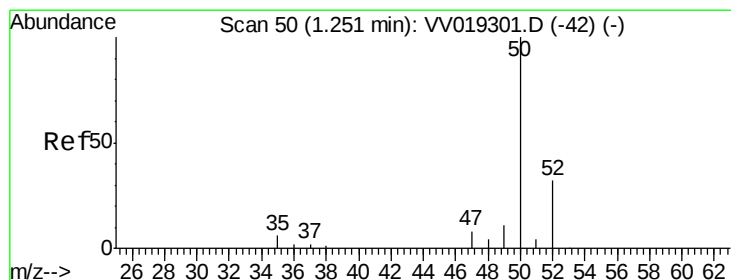
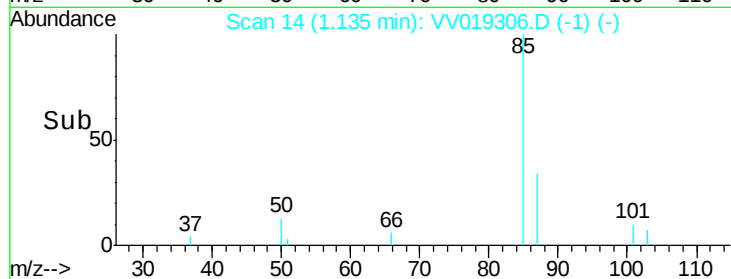
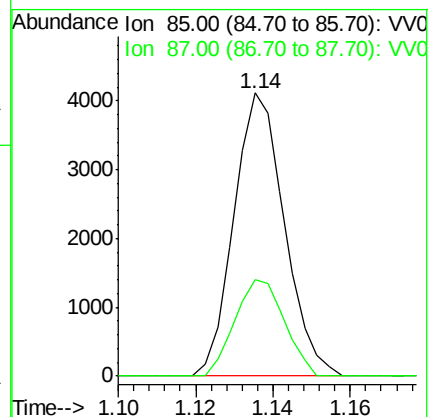
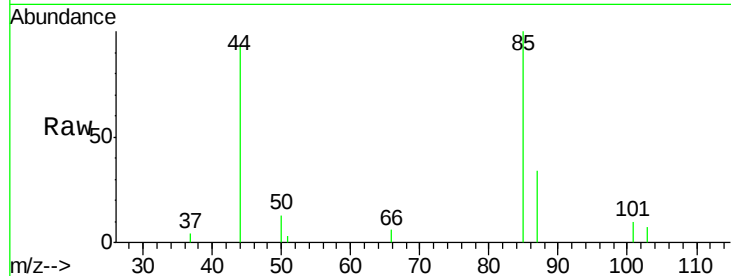
MDL-WATER-04

Tot Ion: 85 Resp: 3724

Ion Ratio Lower Upper

85 100

87 33.4 25.9 38.9



#3

Chloromethane

Concen: 2.734 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019306.D

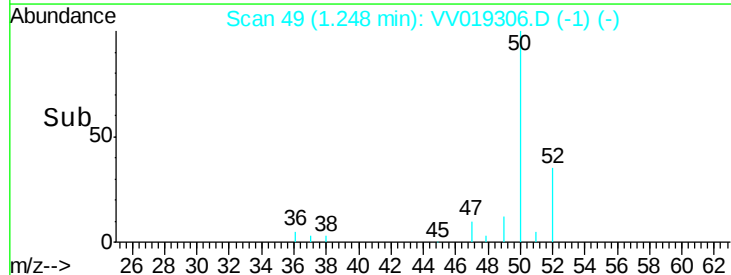
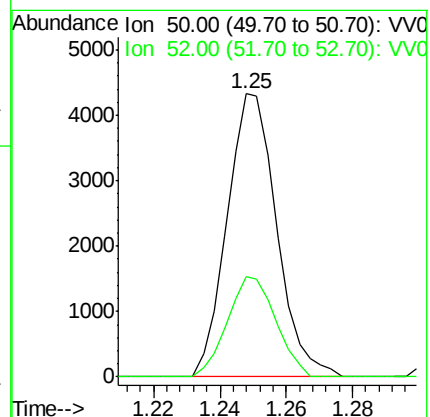
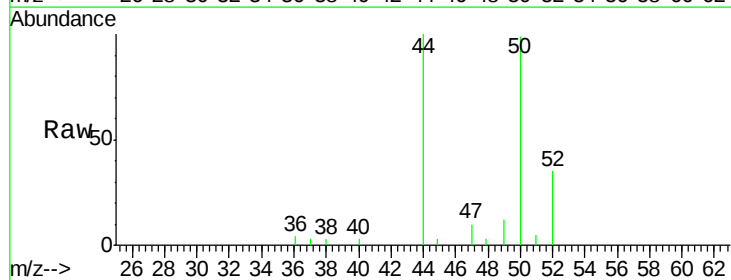
Acq: 09 Nov 2020 16:48

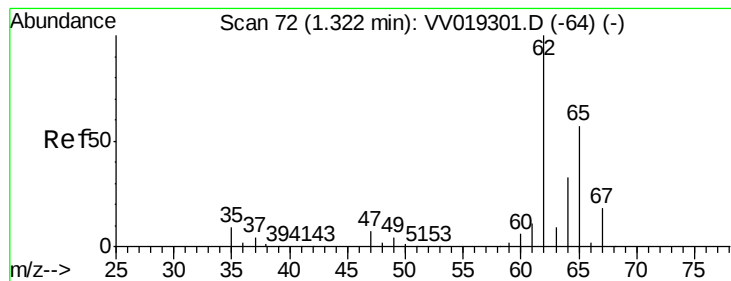
Tgt Ion: 50 Resp: 4485

Ion Ratio Lower Upper

50 100

52 35.3 23.0 42.6





#5

Vinyl chloride

Concen: 2.997 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

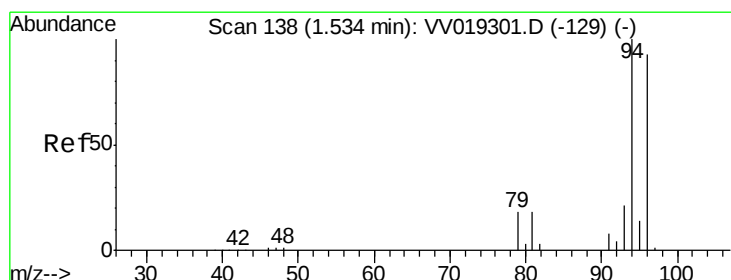
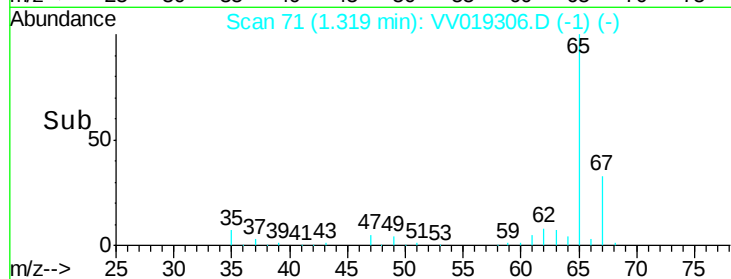
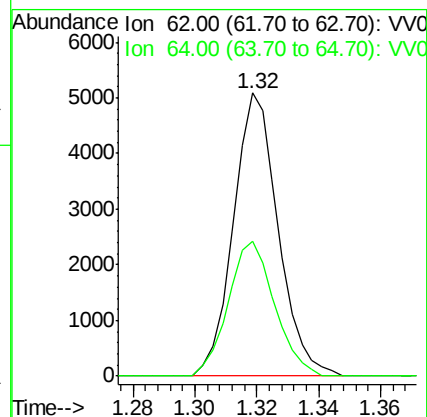
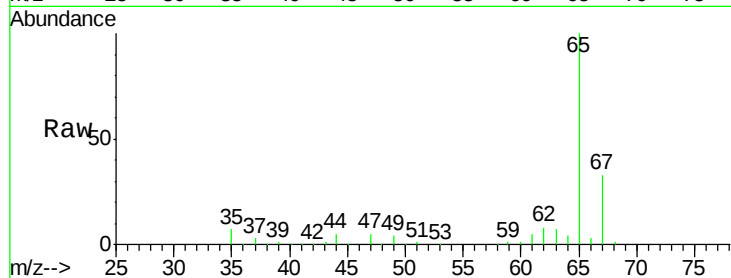
MDL-WATER-04

Tot Ion: 62 Resp: 5118

Ion Ratio Lower Upper

62 100

64 47.5 23.3 43.3#



#6

Bromomethane

Concen: 2.696 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019306.D

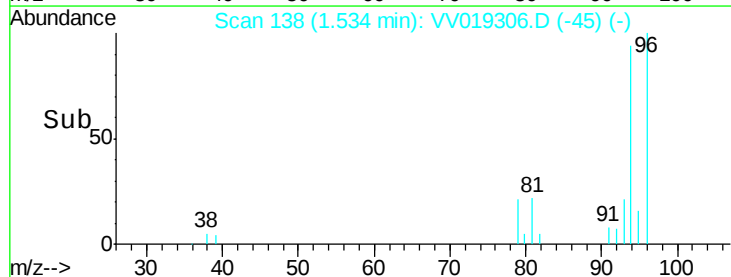
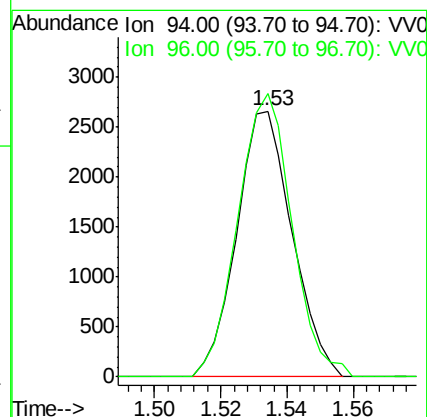
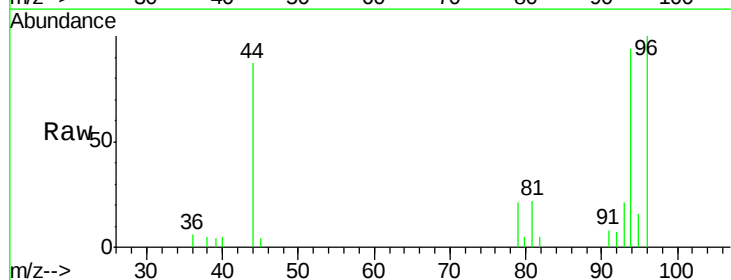
Acq: 09 Nov 2020 16:48

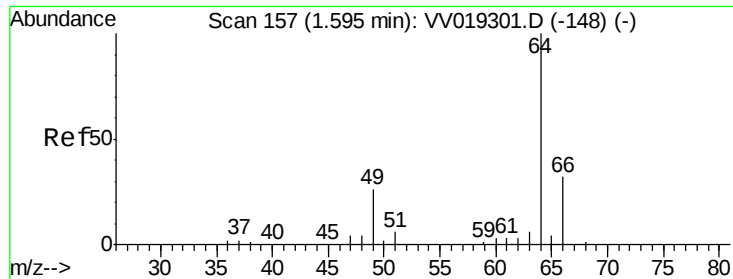
Tgt Ion: 94 Resp: 3094

Ion Ratio Lower Upper

94 100

96 106.6 66.4 123.2





#8

Chloroethane

Concen: 2.969 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

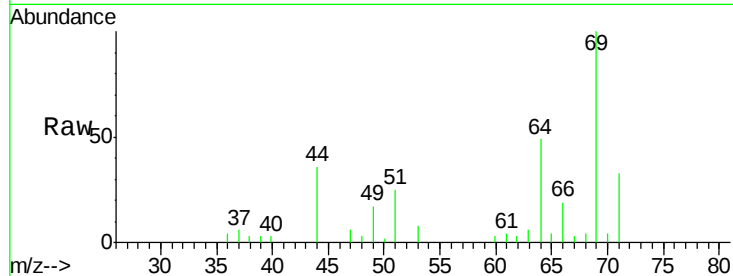
MDL-WATER-04

Tot Ion: 64 Resp: 3316

Ion Ratio Lower Upper

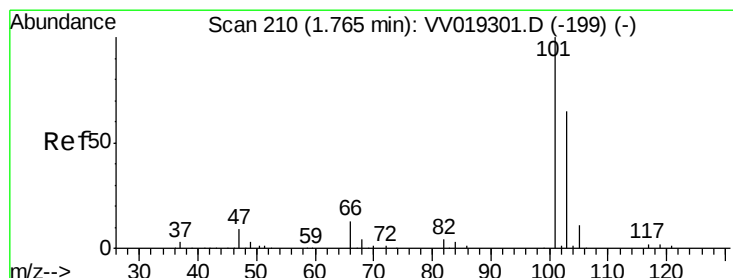
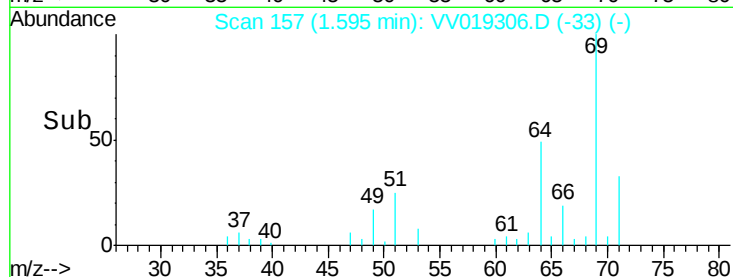
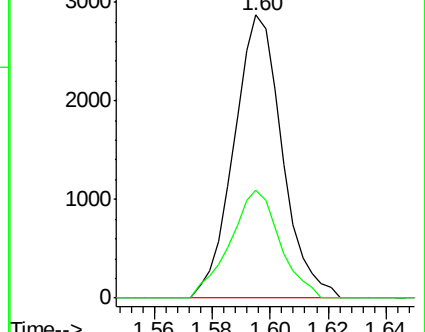
64 100

66 38.2 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV019301.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV019301.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 2.814 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019306.D

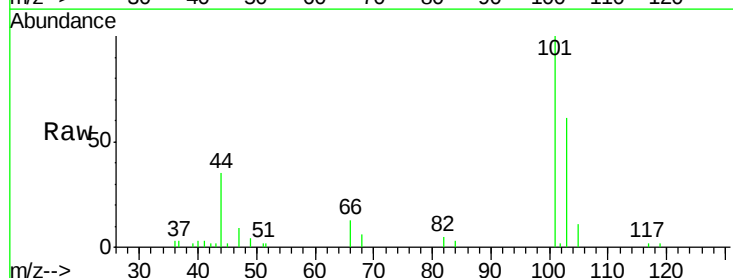
Acq: 09 Nov 2020 16:48

Tgt Ion: 101 Resp: 7957

Ion Ratio Lower Upper

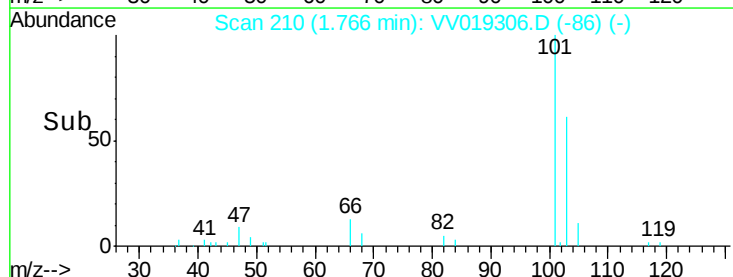
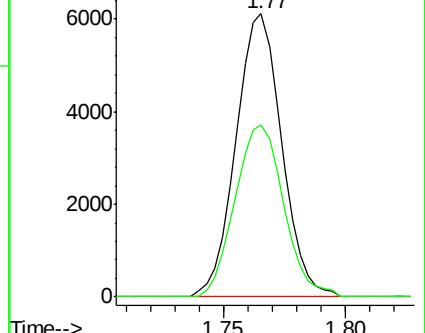
101 100

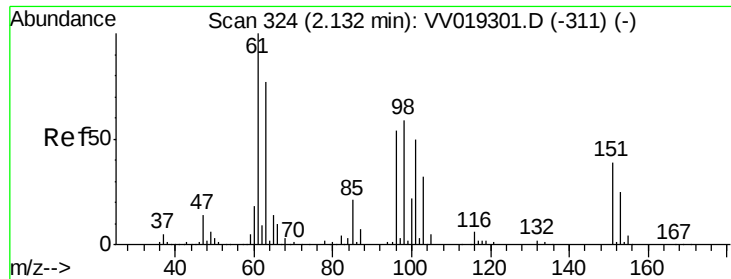
103 64.6 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV019301.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV019301.D (-199) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.010 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-04

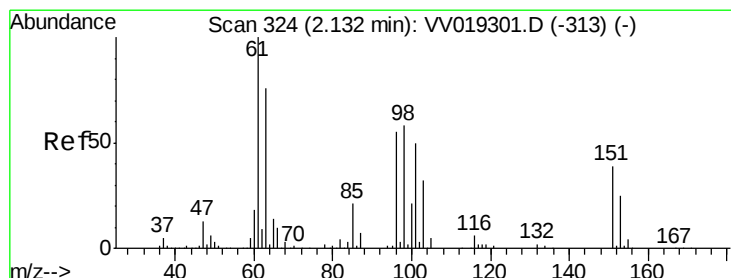
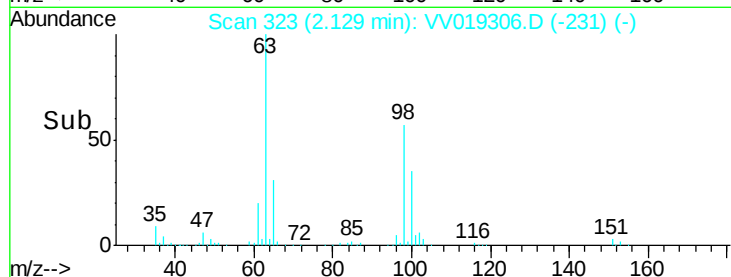
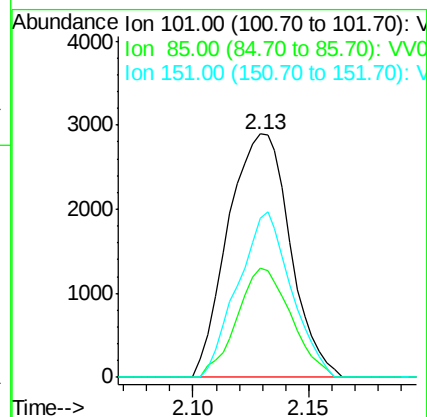
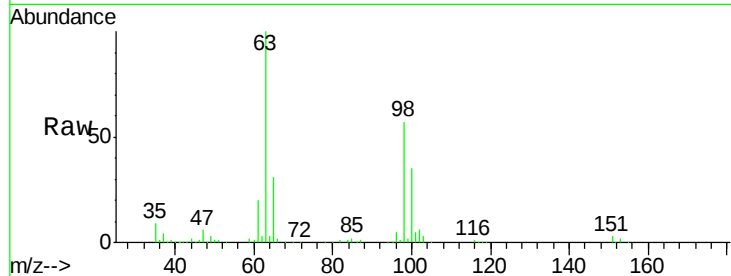
Tot Ion:101 Resp: 5387

Ion Ratio Lower Upper

101 100

85 38.9 35.6 53.4

151 58.3 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 3.510 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

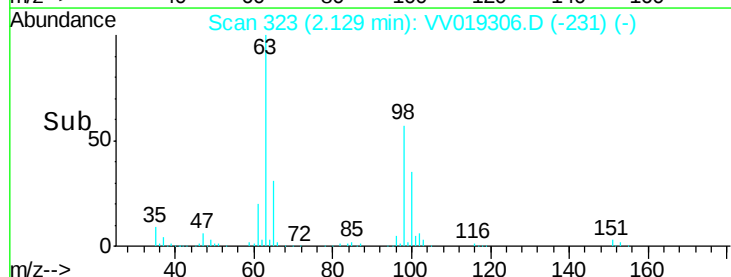
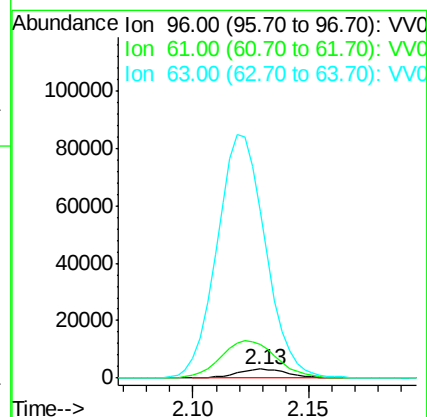
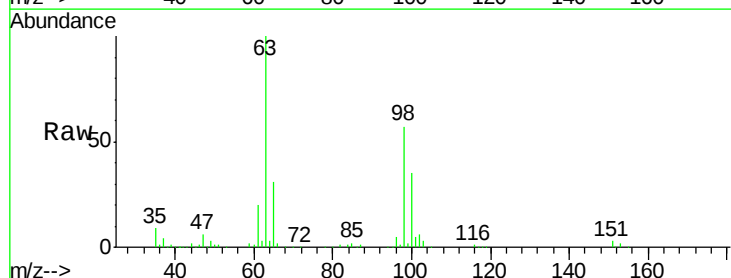
Tgt Ion: 96 Resp: 4874

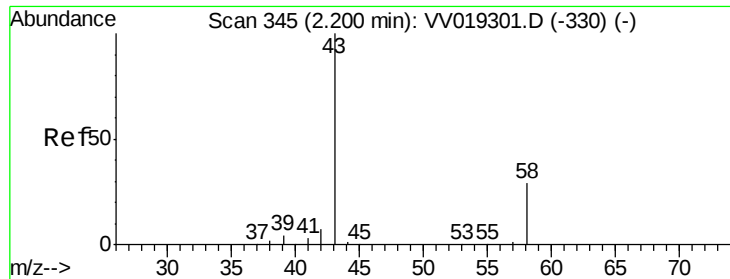
Ion Ratio Lower Upper

96 100

61 377.0 133.6 248.0#

63 1891.9 103.0 191.2#





#13

Acetone

Concen: 5.497 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

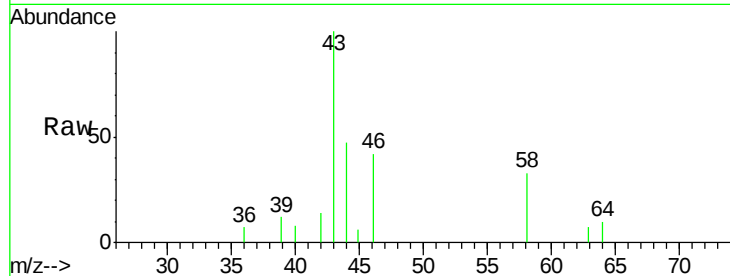
MDL-WATER-04

Tot Ion: 43 Resp: 4575

Ion Ratio Lower Upper

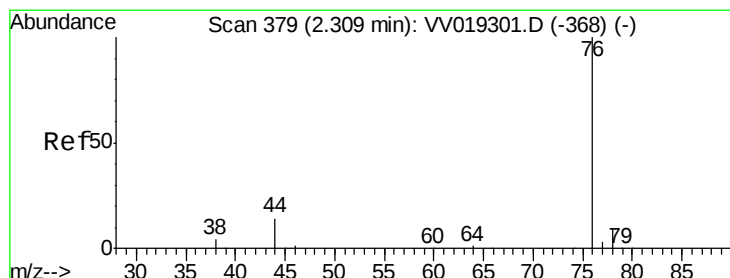
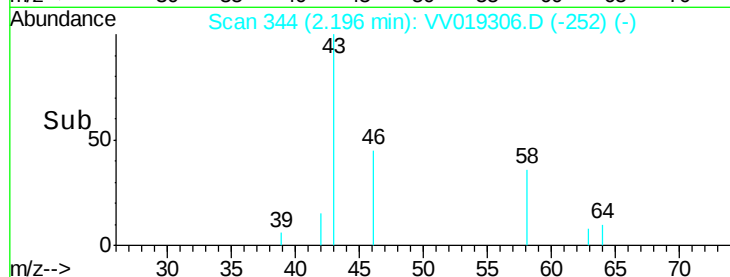
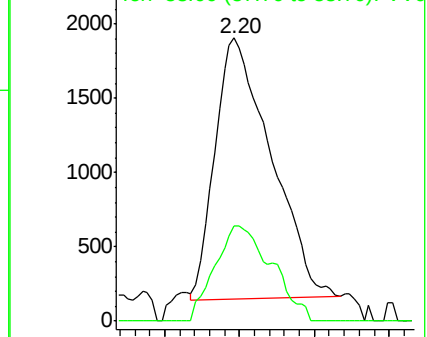
43 100

58 29.5 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019306.D (-252) (-)

Ion 58.00 (57.70 to 58.70): VV019306.D (-252) (-)



#14

Carbon disulfide

Concen: 2.598 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019306.D

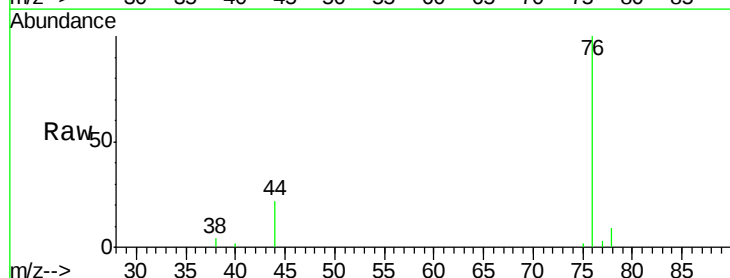
Acq: 09 Nov 2020 16:48

Tgt Ion: 76 Resp: 10358

Ion Ratio Lower Upper

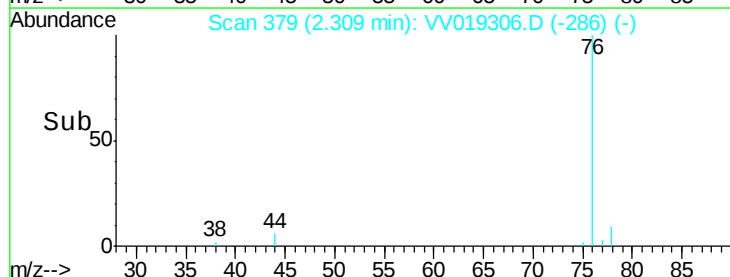
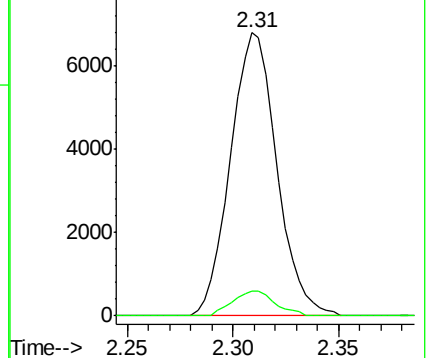
76 100

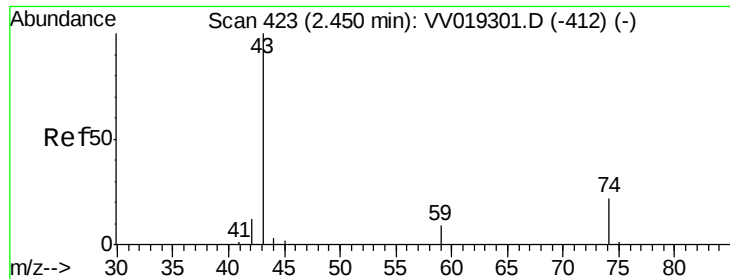
78 8.8 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019306.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV019306.D (-286) (-)

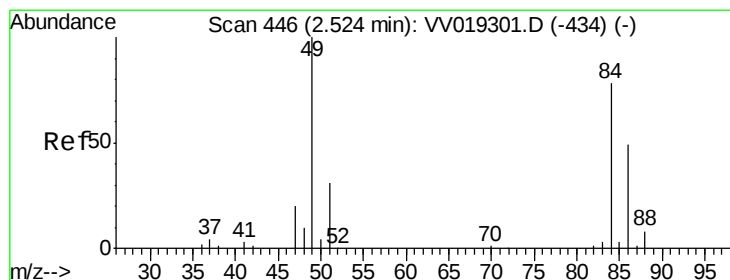
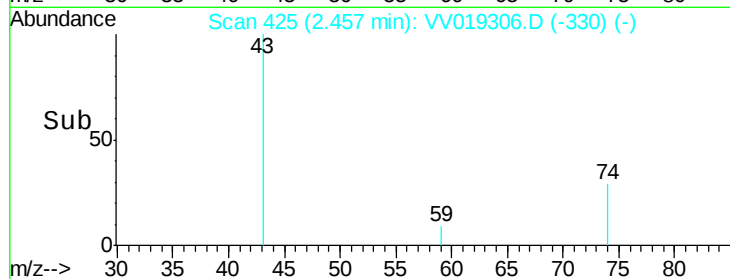
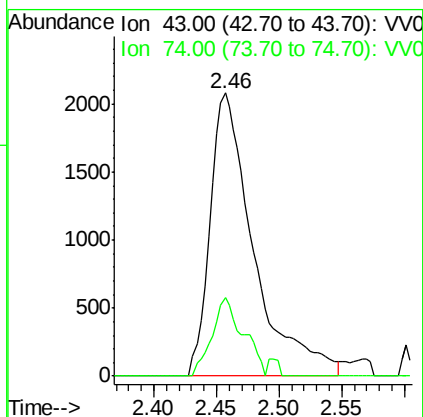
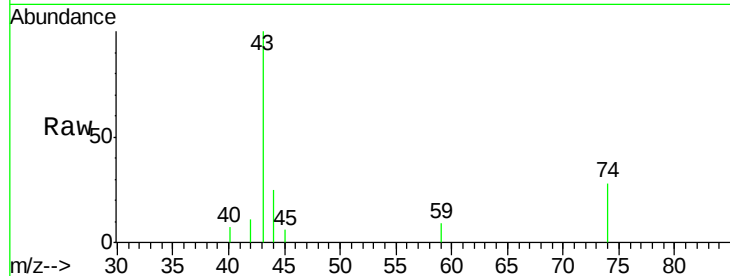




#15
Methyl Acetate
Concen: 3.113 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

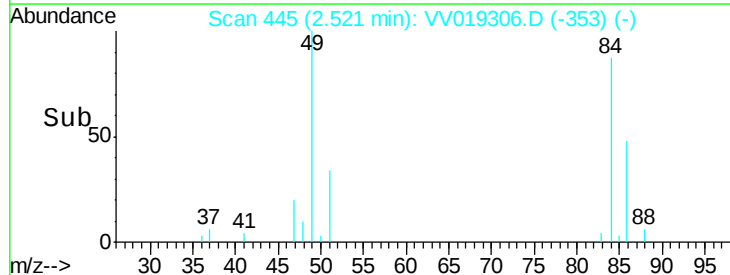
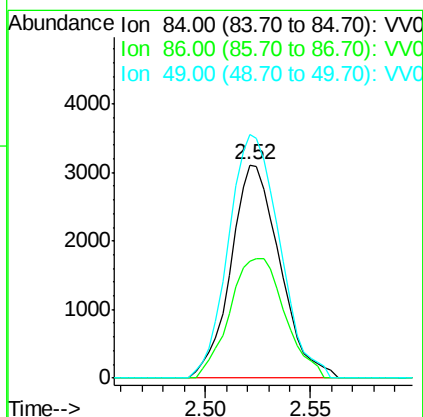
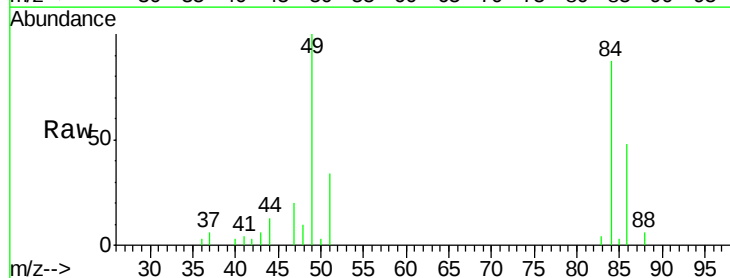
Instrument :
MSVOA_V
ClientSampled :
MDL-WATER-04

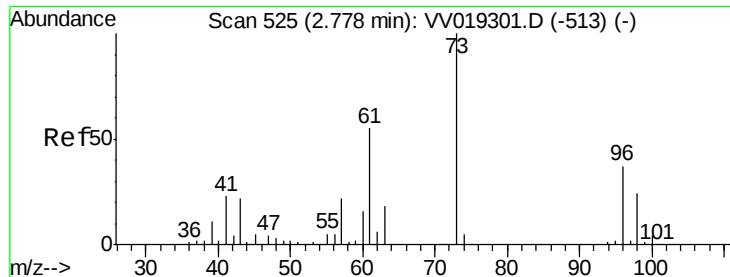
Tot Ion: 43 Resp: 5021
Ion Ratio Lower Upper
43 100
74 15.4 18.8 28.2#



#16
Methylene chloride
Concen: 3.040 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion: 84 Resp: 5017
Ion Ratio Lower Upper
84 100
86 54.7 45.6 84.8
49 114.3 89.3 165.9

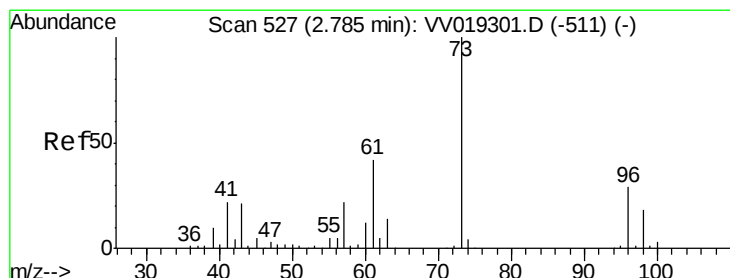
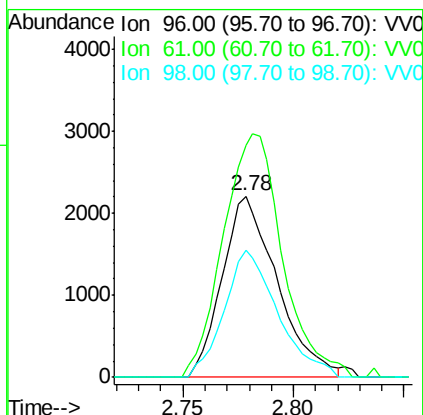
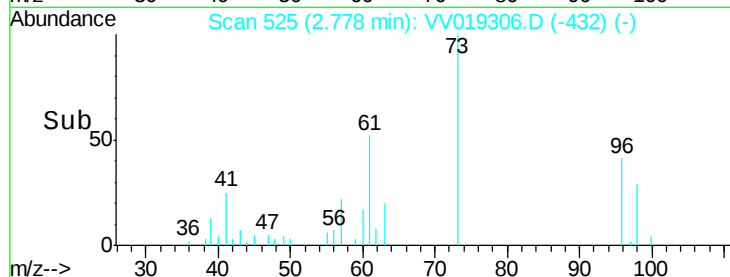
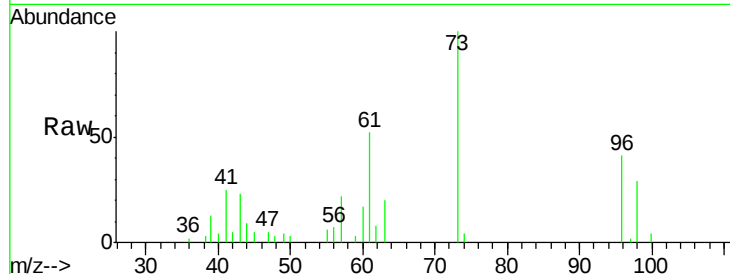




#17
trans-1,2-Dichloroethene
Concen: 2.536 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

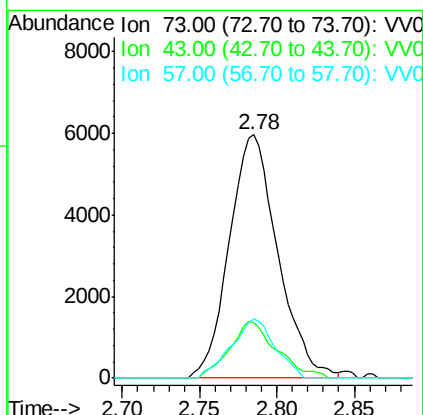
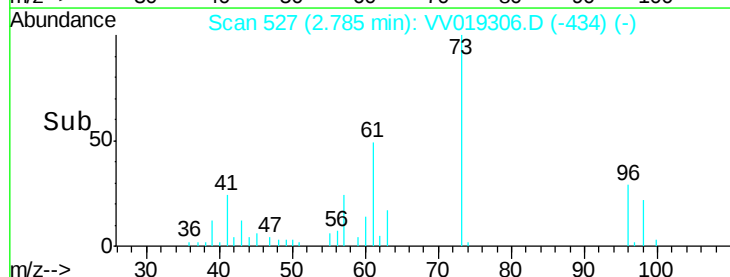
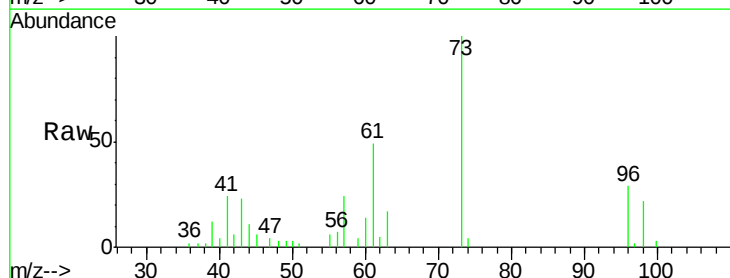
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

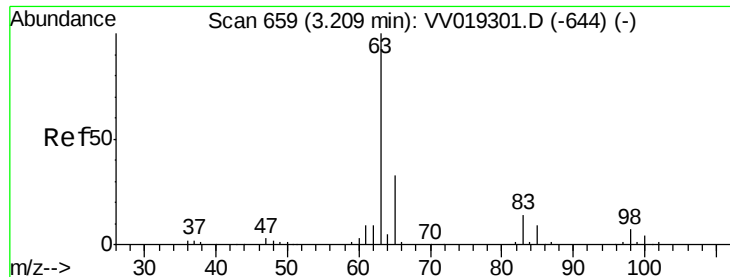
Tot Ion: 96 Resp: 3820
Ion Ratio Lower Upper
96 100
61 127.9 100.7 187.1
98 70.0 42.9 79.7



#18
Methyl tert-butyl Ether
Concen: 2.454 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion: 73 Resp: 12991
Ion Ratio Lower Upper
73 100
43 22.5 17.9 26.9
57 21.9 17.1 25.7

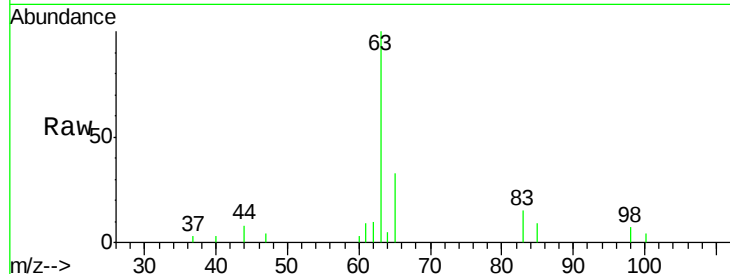




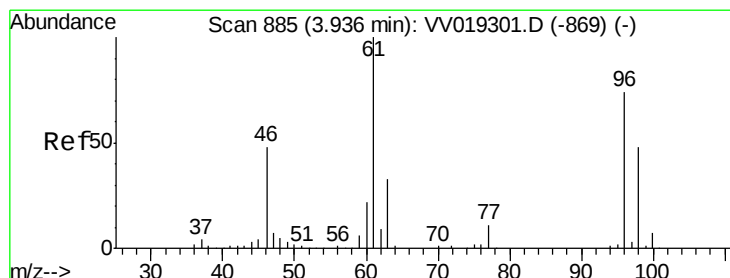
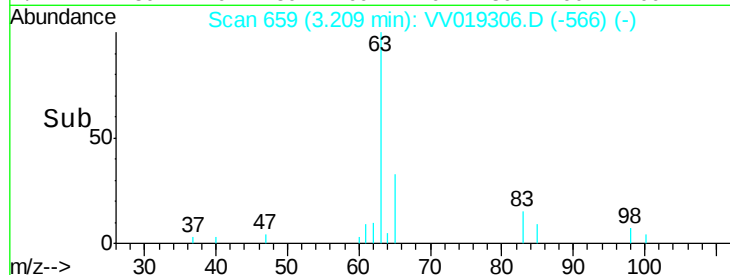
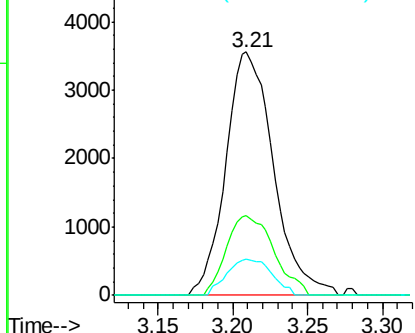
#19
 1,1-Dichloroethane
 Concen: 2.687 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

Tot Ion: 63 Resp: 7930
 Ion Ratio Lower Upper
 63 100
 65 32.8 21.8 40.6
 83 15.0 9.5 17.7

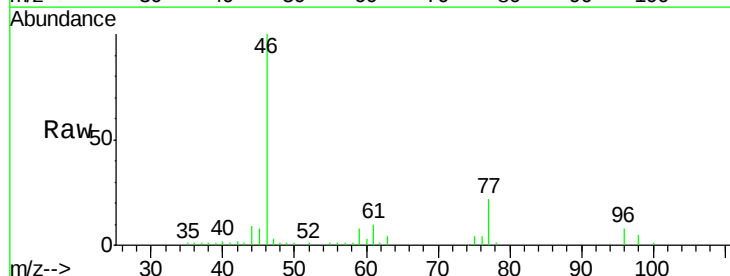


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

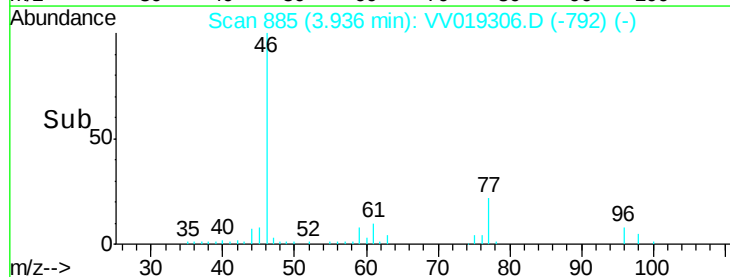
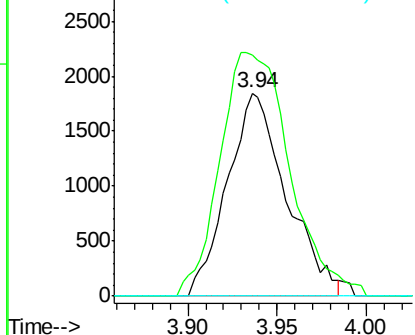


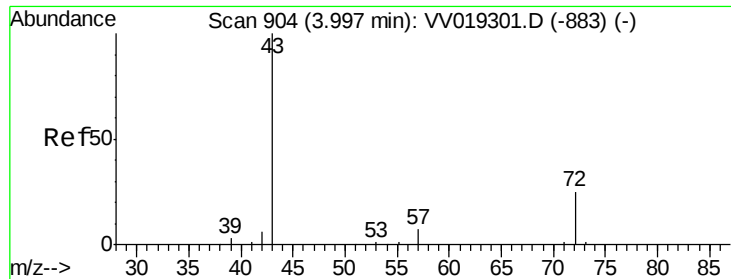
#20
 cis-1,2-Dichloroethene
 Concen: 2.556 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion: 96 Resp: 4254
 Ion Ratio Lower Upper
 96 100
 61 118.5 95.6 177.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 5.655 ug/L m

RT: 4.02 min Scan# 912

Delta R.T. 0.03 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

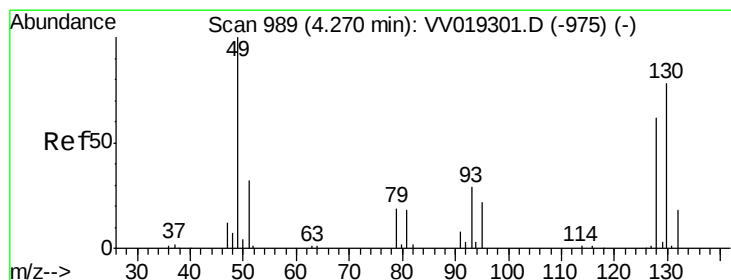
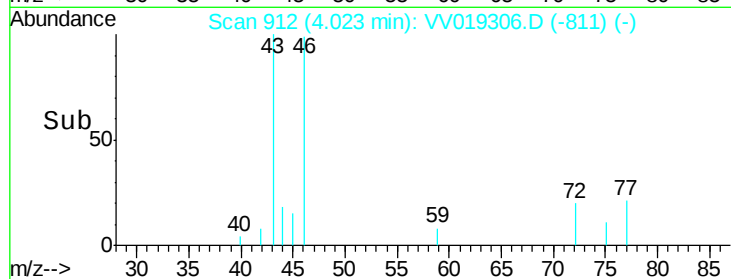
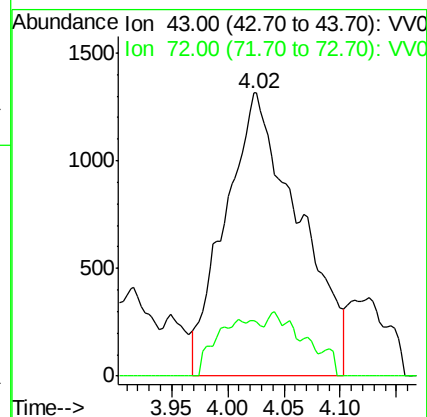
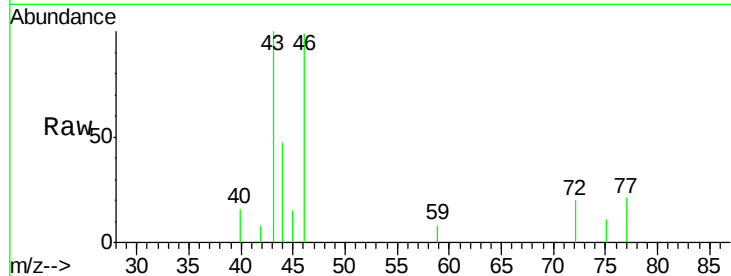
MDL-WATER-04

Tot Ion: 43 Resp: 5974

Ion Ratio Lower Upper

43 100

72 1.4 12.7 38.0#



#23

Bromochloromethane

Concen: 2.544 ug/L

RT: 4.28 min Scan# 992

Delta R.T. 0.01 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Tgt Ion: 128 Resp: 2332

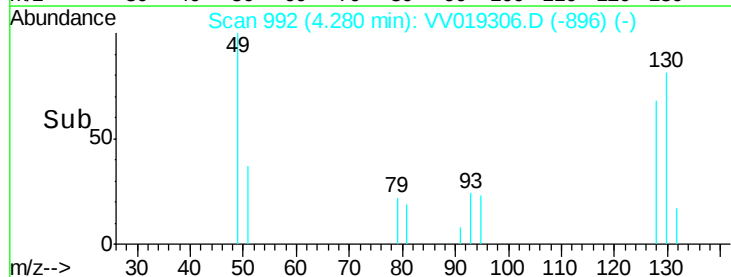
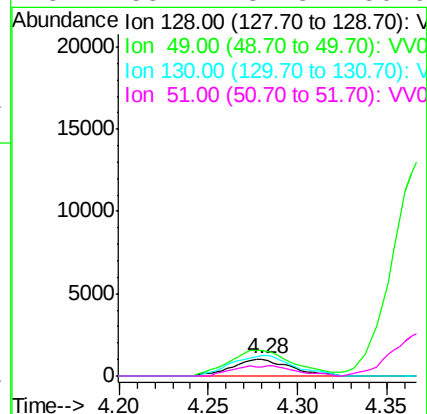
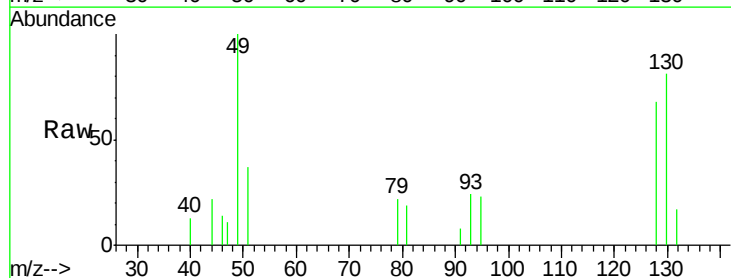
Ion Ratio Lower Upper

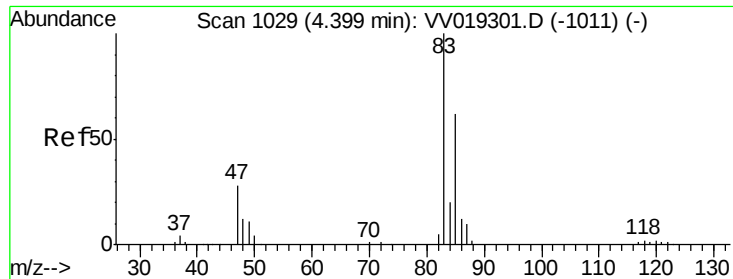
128 100

49 147.9 108.8 202.2

130 119.5 88.5 164.3

51 55.2 37.8 56.6

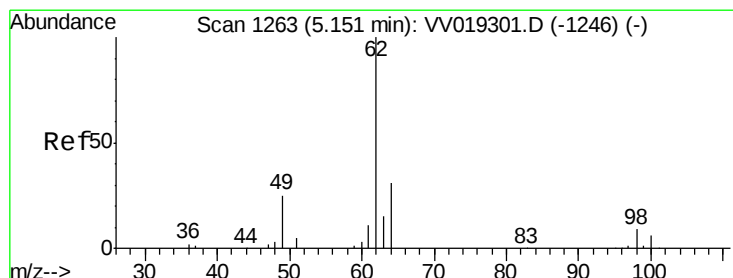
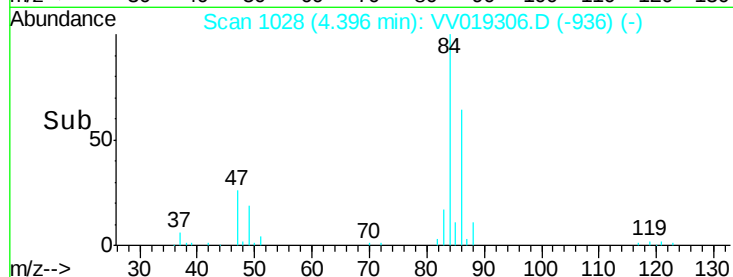
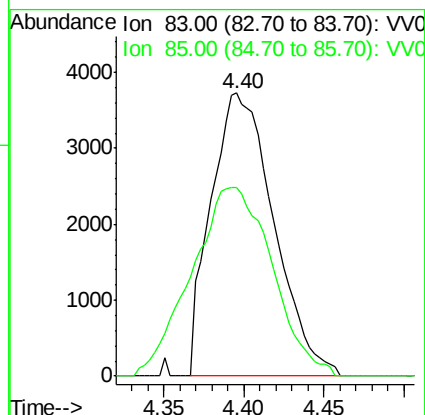
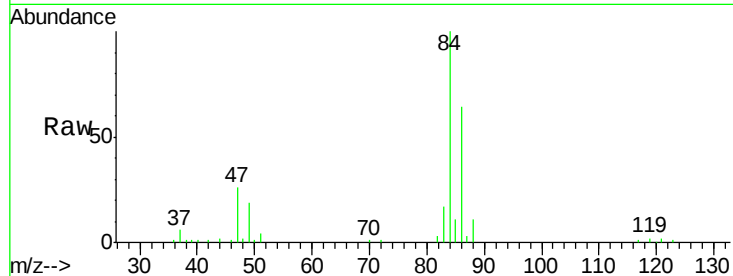




#25
Chloroform
Concen: 3.188 ug/L
RT: 4.40 min Scan# 1028
Delta R.T. -0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

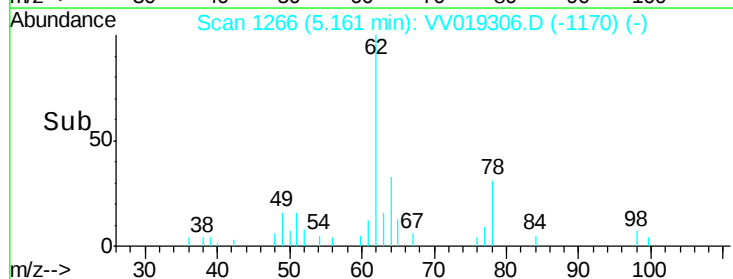
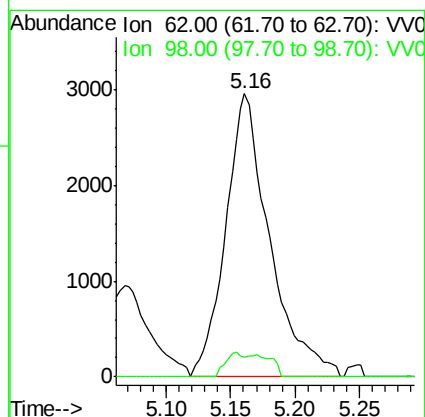
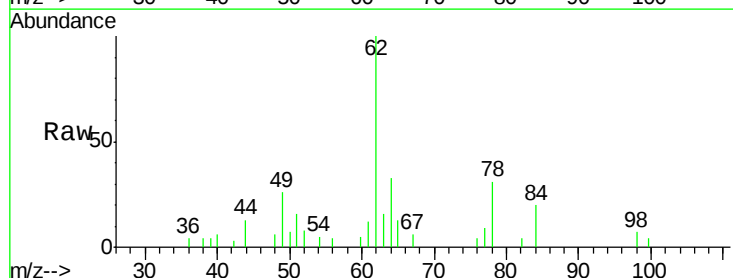
Instrument :
MSVOA_V
ClientSampled :
MDL-WATER-04

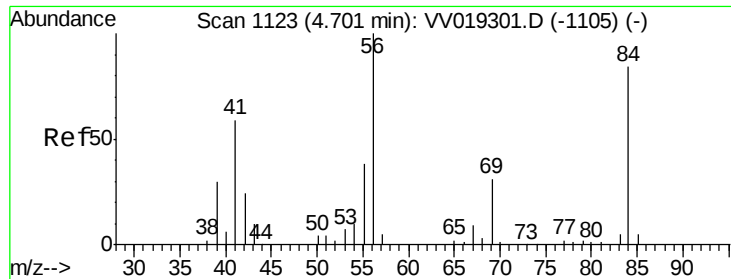
Tot Ion: 83 Resp: 10088
Ion Ratio Lower Upper
83 100
85 66.8 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.603 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion: 62 Resp: 7001
Ion Ratio Lower Upper
62 100
98 6.8 6.8 10.2

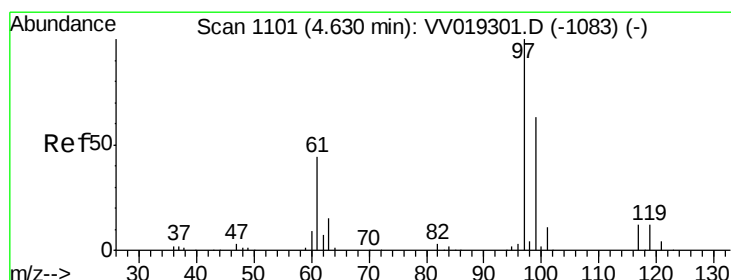
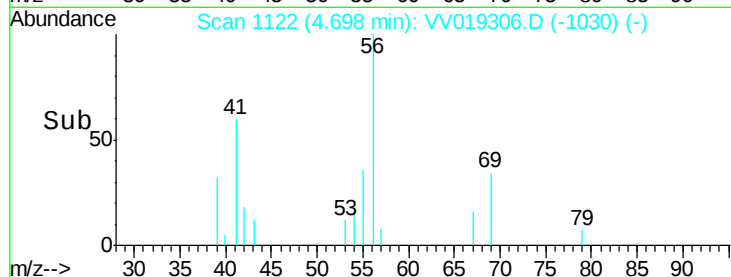
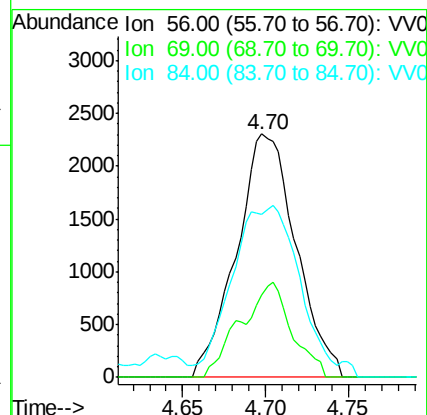
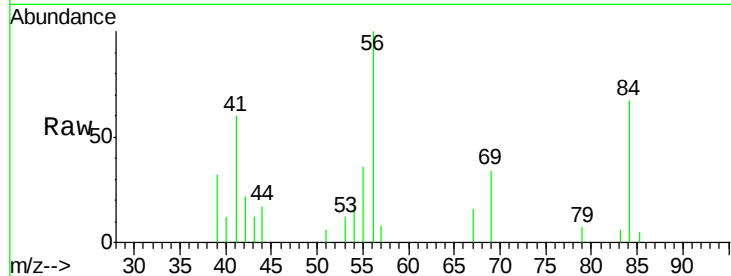




#29
Cyclohexane
Concen: 2.640 ug/L
RT: 4.70 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

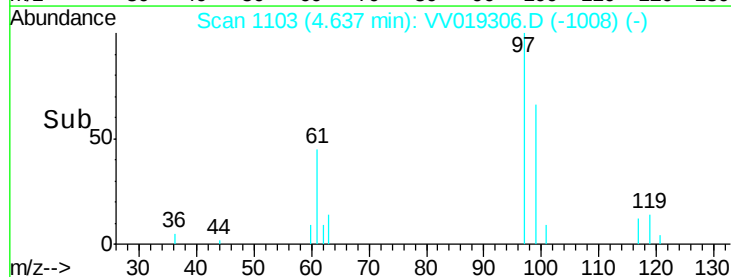
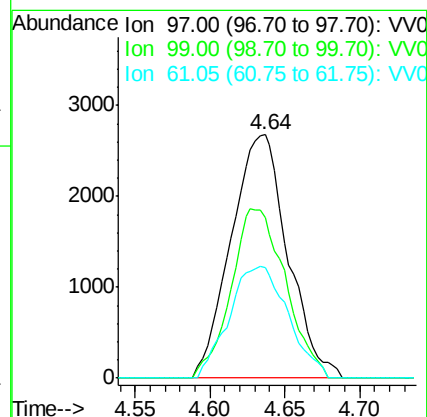
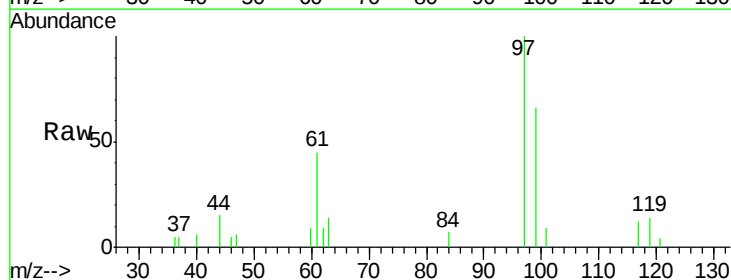
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

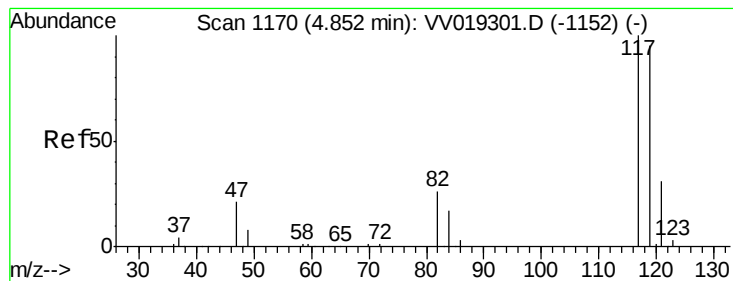
Tot Ion: 56 Resp: 5738
Ion Ratio Lower Upper
56 100
69 24.3 24.6 36.8#
84 34.4 70.5 105.7#



#30
1,1,1-Trichloroethane
Concen: 2.401 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion: 97 Resp: 7071
Ion Ratio Lower Upper
97 100
99 66.6 52.0 78.0
61 47.6 35.3 52.9





#31

Carbon tetrachloride

Concen: 2.437 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

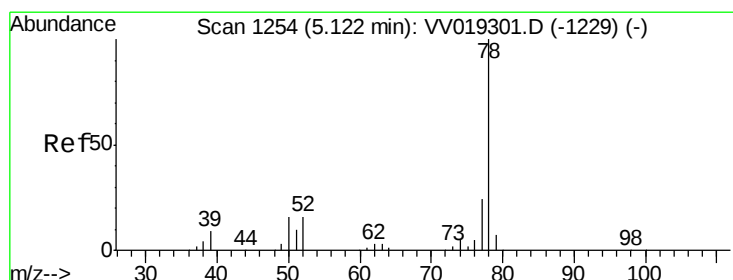
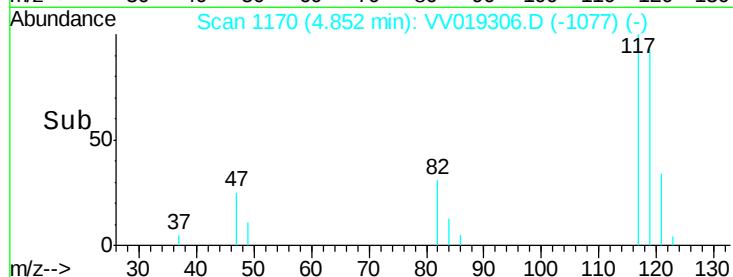
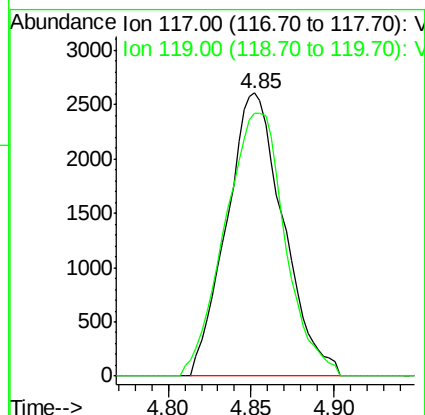
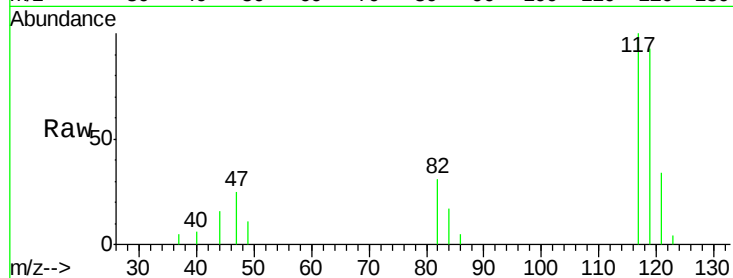
MDL-WATER-04

Tot Ion:117 Resp: 6197

Ion Ratio Lower Upper

117 100

119 98.6 77.8 116.6



#33

Benzene

Concen: 2.504 ug/L

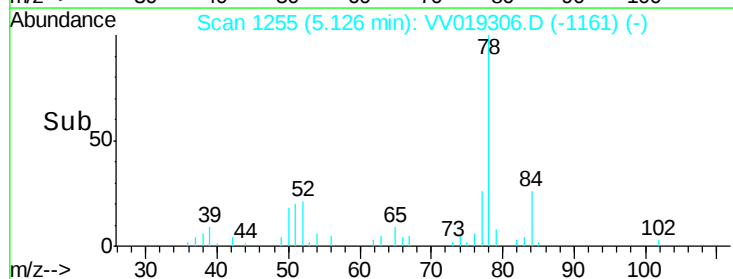
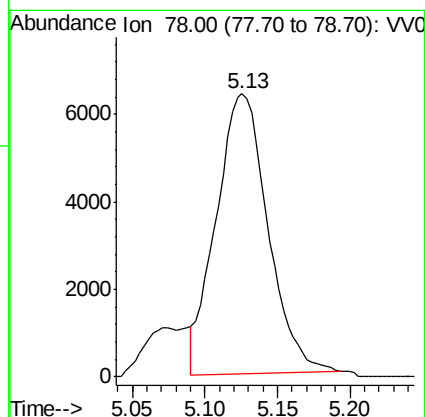
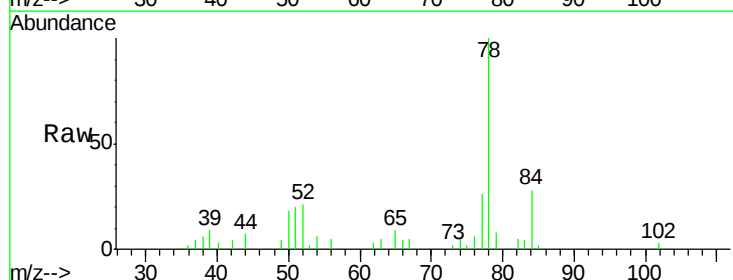
RT: 5.13 min Scan# 1255

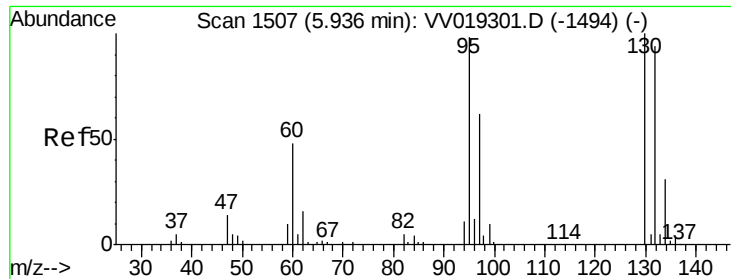
Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Tgt Ion: 78 Resp: 15803





#34

Trichloroethene

Concen: 3.019 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

MDL-WATER-04

Tot Ion: 95 Resp: 5178

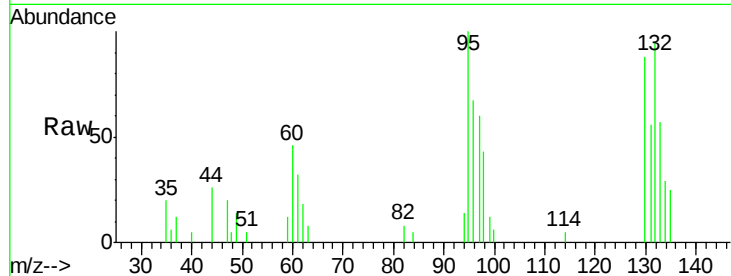
Ion Ratio Lower Upper

95 100

97 60.4 45.4 84.4

132 95.0 68.5 127.3

130 87.8 72.0 133.6

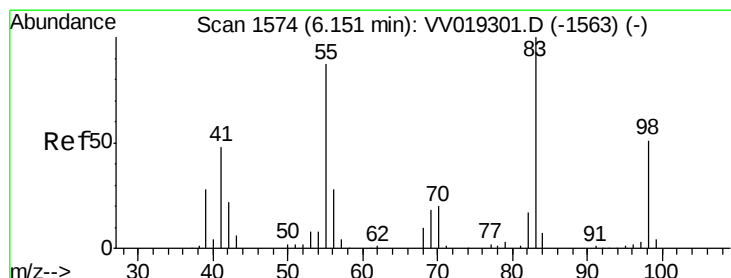
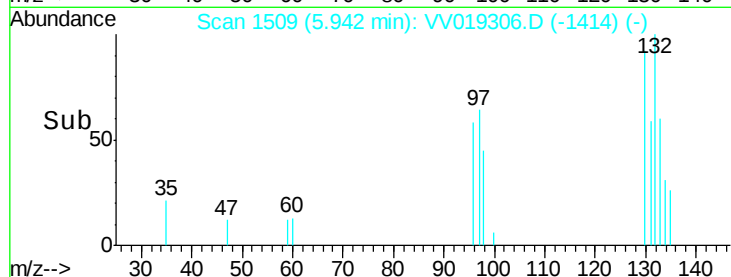
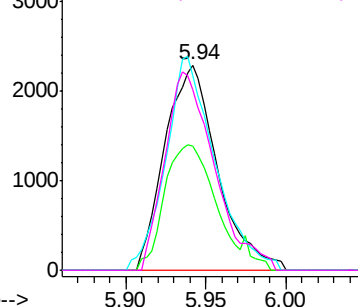


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 2.708 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

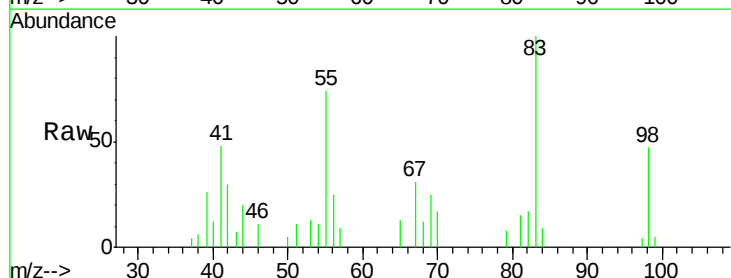
Tgt Ion: 83 Resp: 5622

Ion Ratio Lower Upper

83 100

55 81.0 62.8 94.2

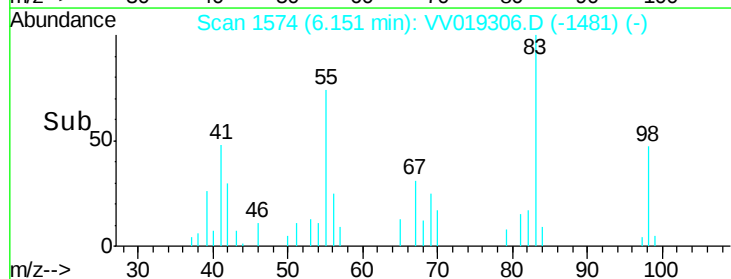
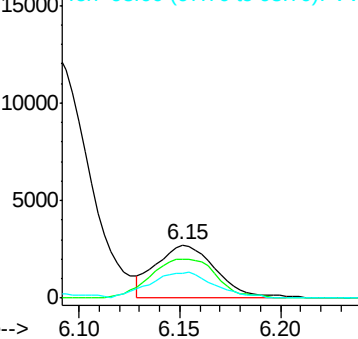
98 52.1 38.6 58.0

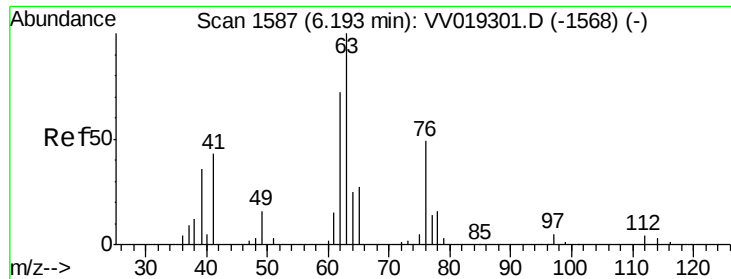


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 2.556 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

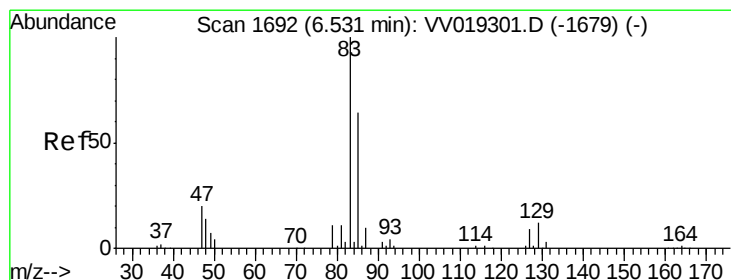
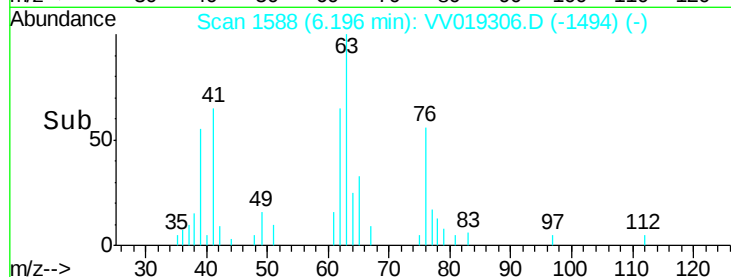
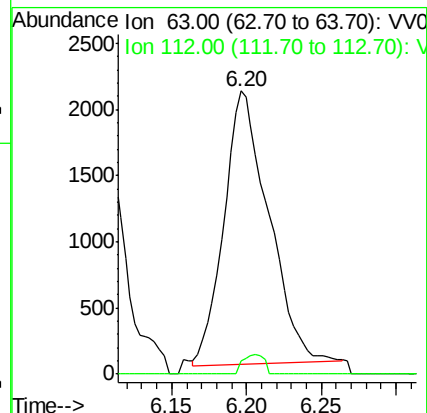
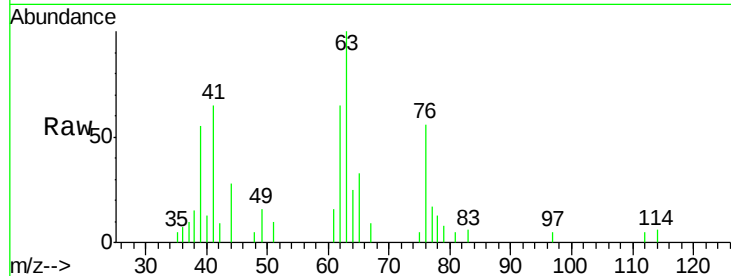
MDL-WATER-04

Tot Ion: 63 Resp: 4305

Ion Ratio Lower Upper

63 100

112 3.3 4.2 6.2#



#38

Bromodichloromethane

Concen: 2.550 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

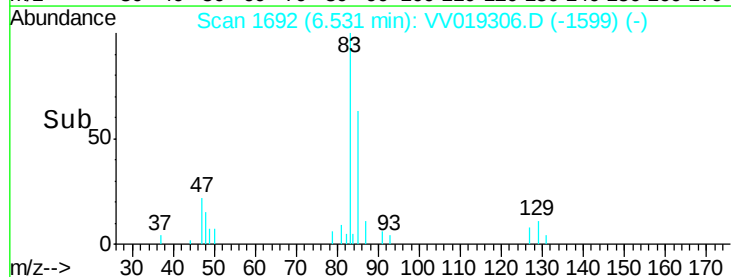
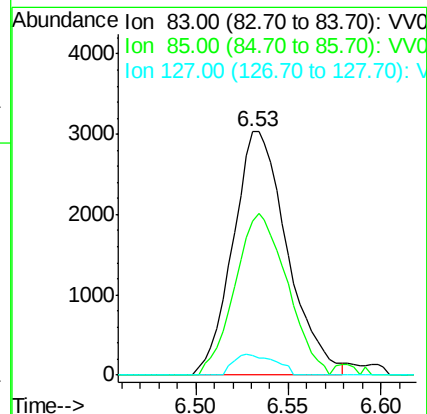
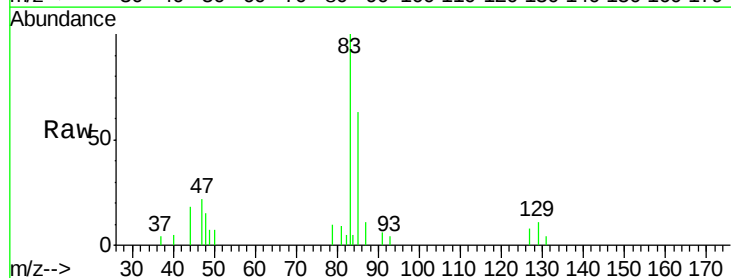
Tgt Ion: 83 Resp: 6181

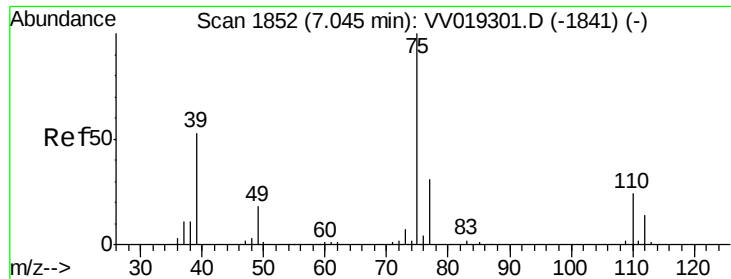
Ion Ratio Lower Upper

83 100

85 63.2 44.0 81.8

127 7.9 7.3 10.9

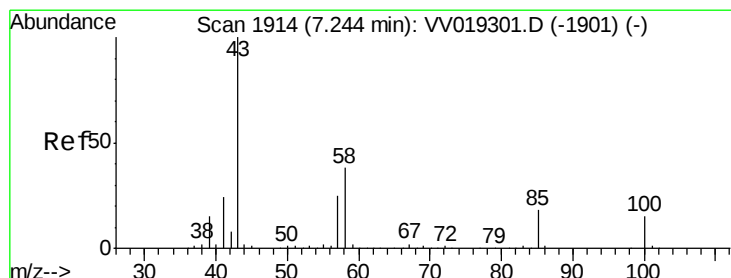
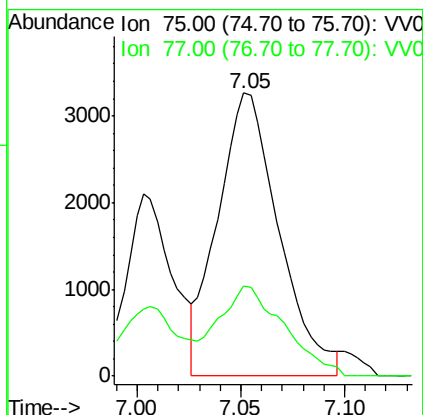
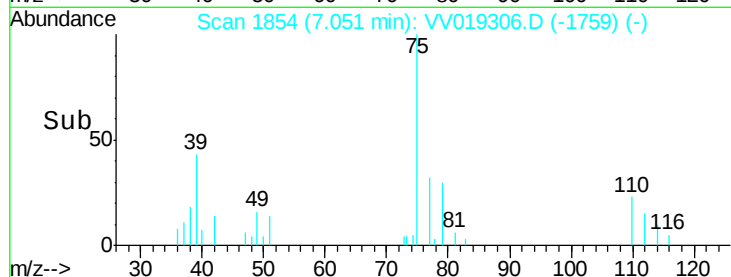
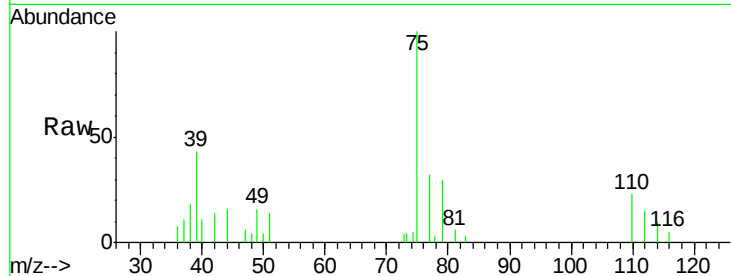




#39
 cis-1,3-Dichloropropene
 Concen: 2.491 ug/L m
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.01 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

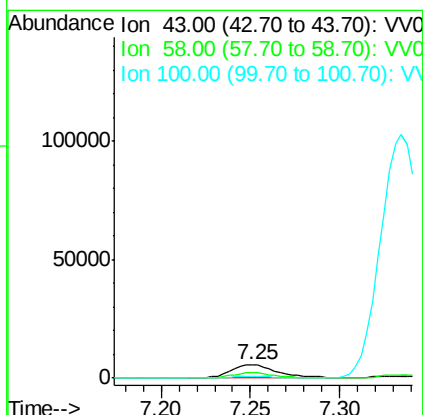
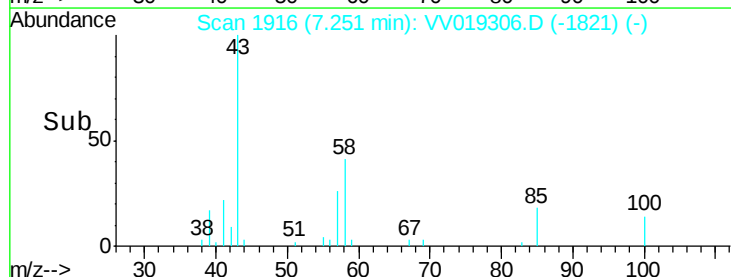
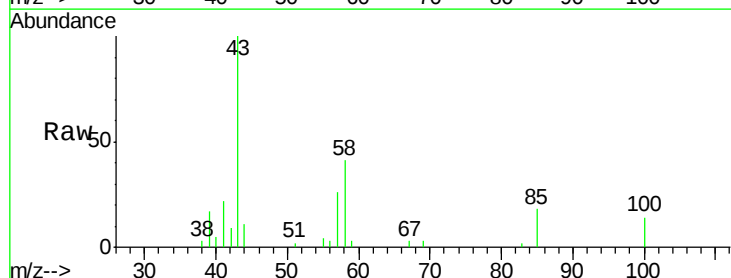
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

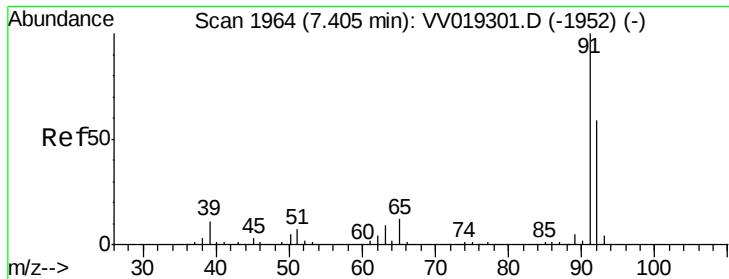
Tot Ion: 75 Resp: 6714
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 4.624 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion: 43 Resp: 10463
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.5 45.7
 100 13.1 12.7 19.1





#42

Toluene

Concen: 2.857 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

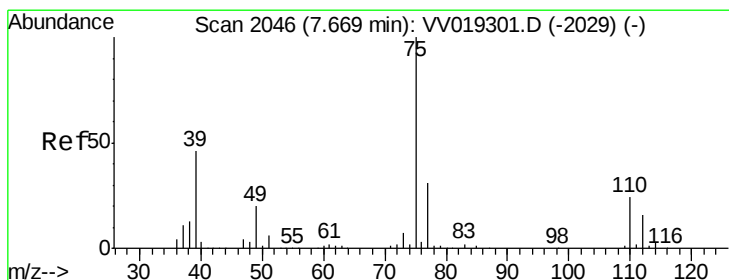
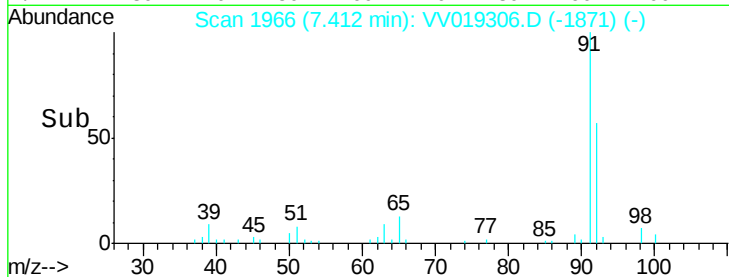
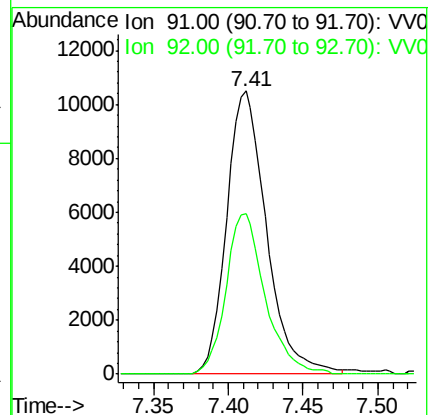
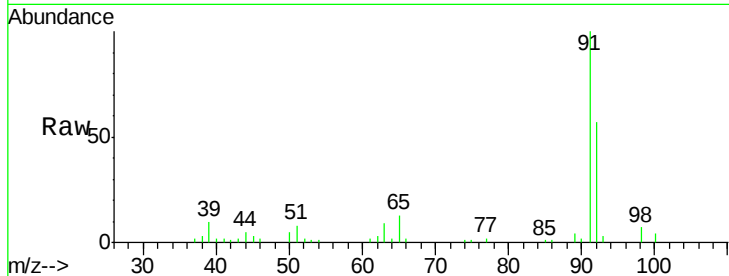
MDL-WATER-04

Tot Ion: 91 Resp: 19488

Ion Ratio Lower Upper

91 100

92 56.6 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 2.474 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019306.D

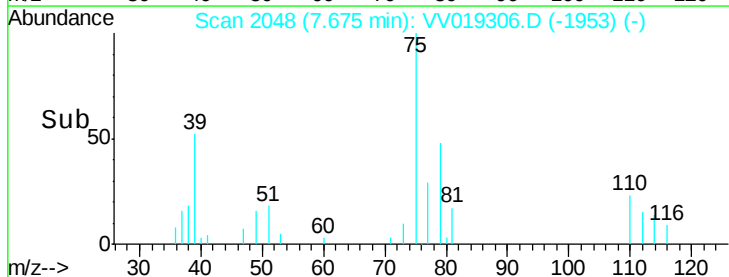
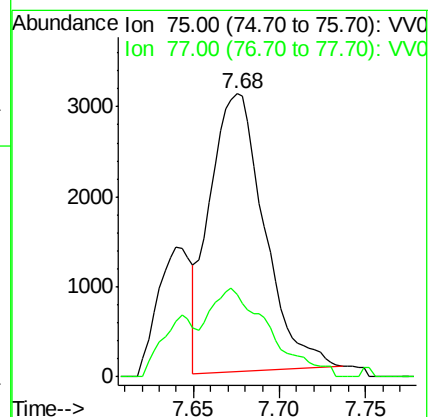
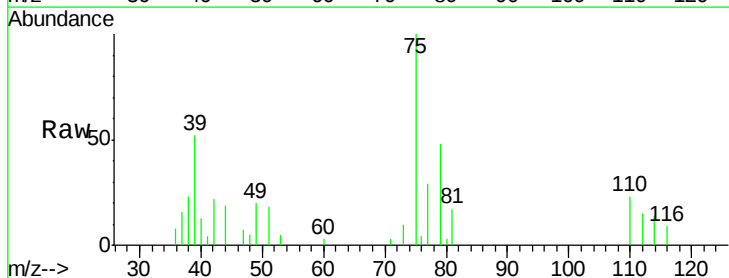
Acq: 09 Nov 2020 16:48

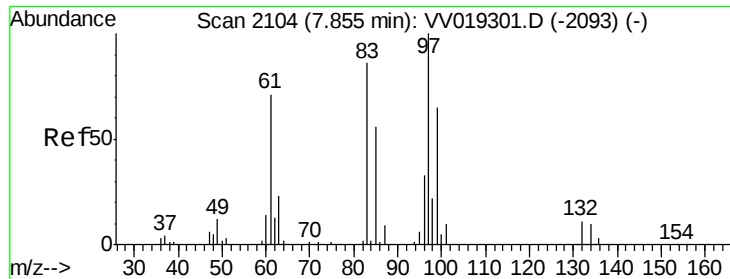
Tgt Ion: 75 Resp: 6832

Ion Ratio Lower Upper

75 100

77 29.3 21.6 40.2

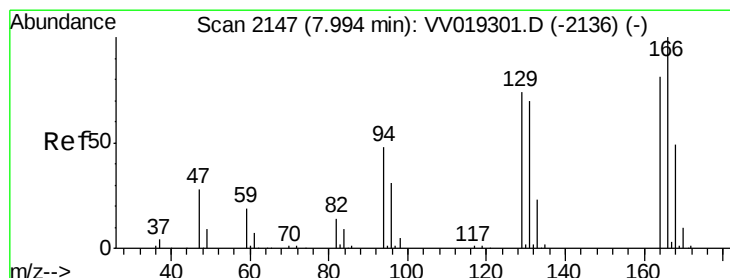
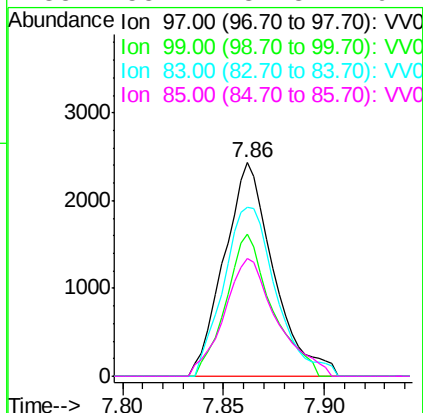
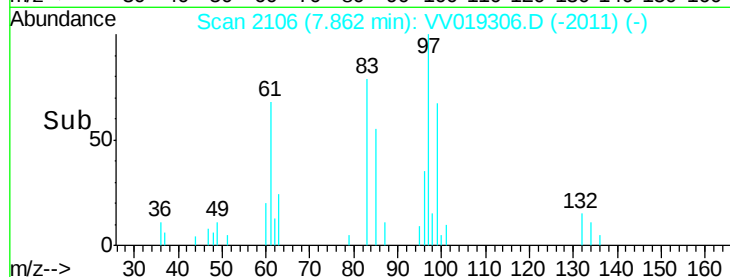
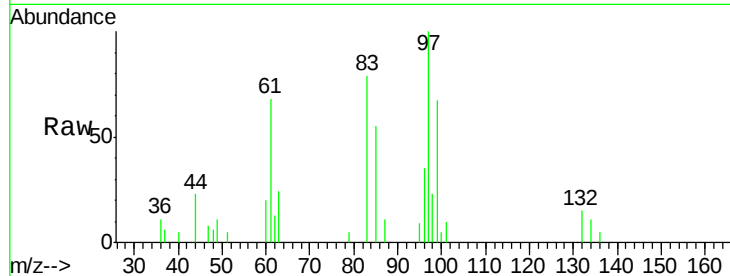




#45
1,1,2-Trichloroethane
Concen: 2.504 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

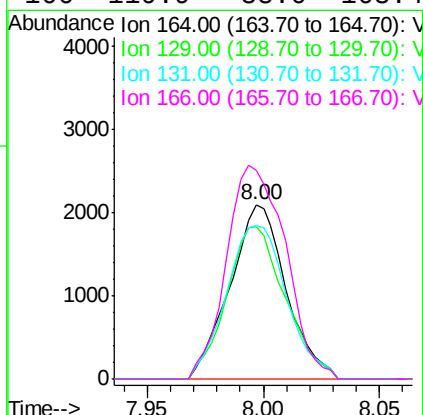
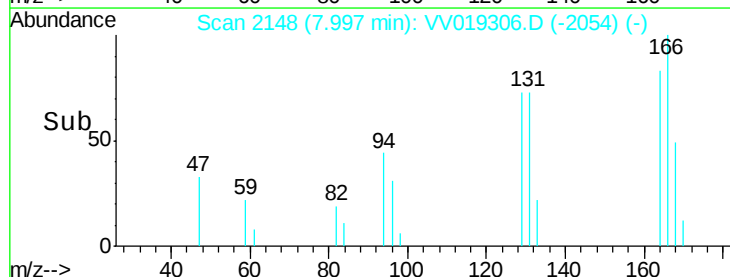
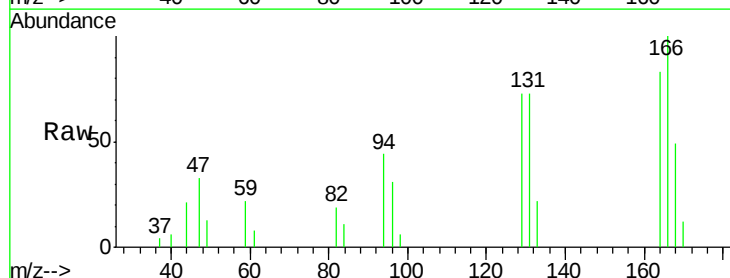
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

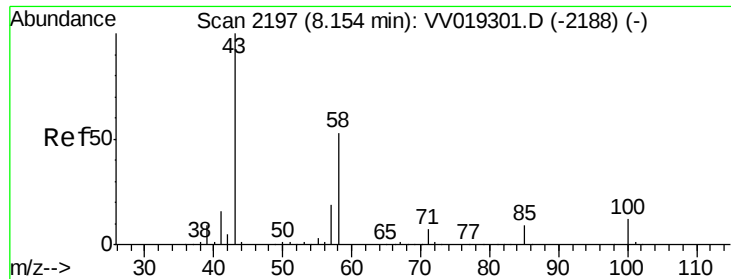
Tot Ion:	97	Resp:	4168
Ion	Ratio	Lower	Upper
97	100		
99	66.7	45.1	83.9
83	79.3	57.6	107.0
85	55.1	37.8	70.2



#46
Tetrachloroethene
Concen: 2.518 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion:	164	Resp:	3524
Ion	Ratio	Lower	Upper
164	100		
129	87.7	62.6	116.3
131	88.1	59.0	109.6
166	119.9	88.0	163.4

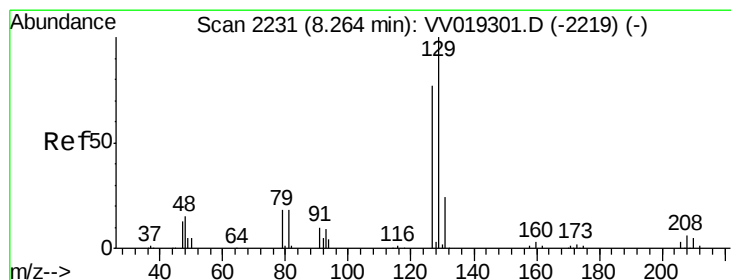
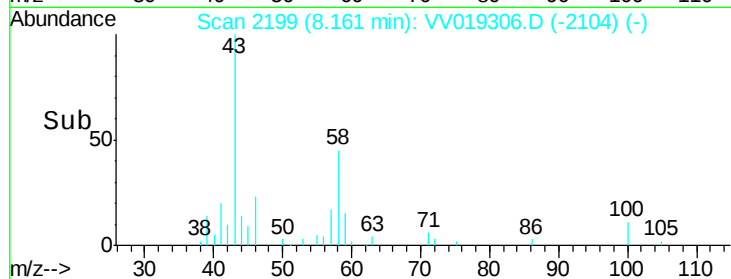
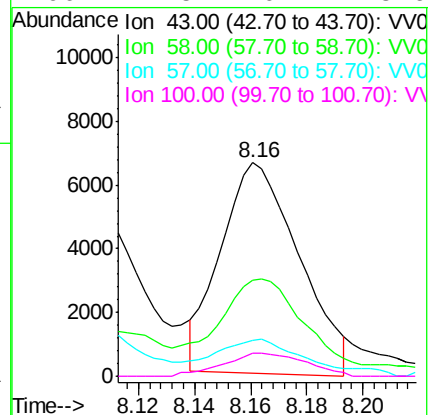
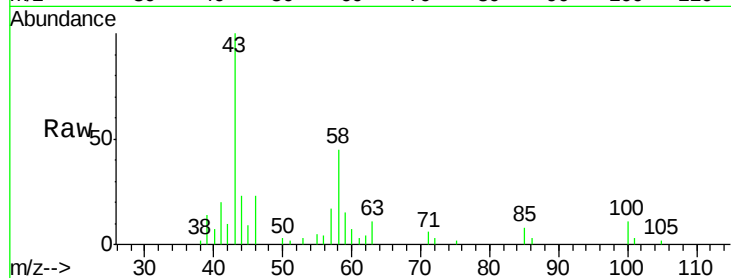




#48
2-Hexanone
Concen: 7.541 ug/L m
RT: 8.16 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

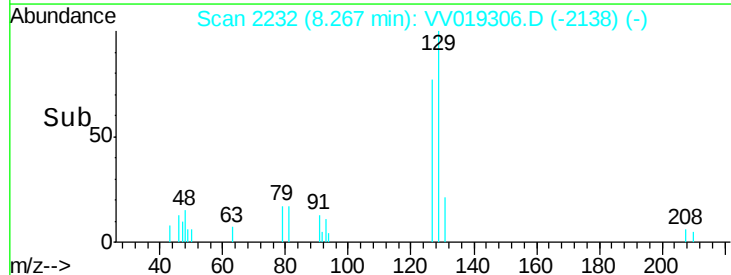
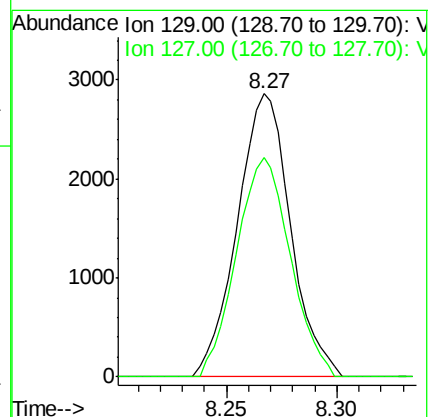
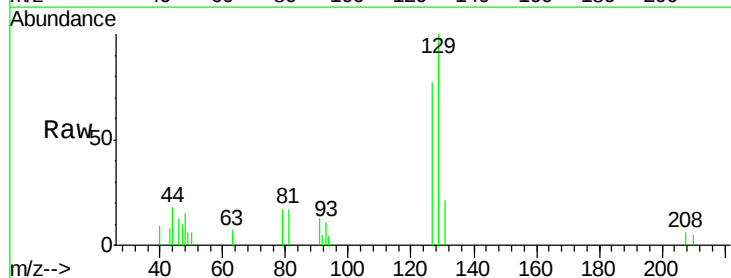
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

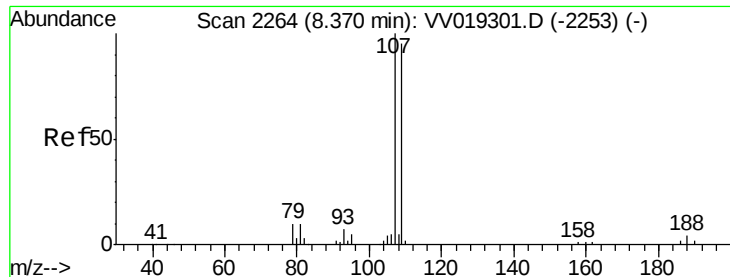
Tot Ion: 43 Resp: 12901
Ion Ratio Lower Upper
43 100
58 40.9 42.6 63.8#
57 14.2 15.8 23.8#
100 11.5 10.4 15.6



#49
Dibromochloromethane
Concen: 2.416 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion: 129 Resp: 4797
Ion Ratio Lower Upper
129 100
127 77.5 54.4 101.0

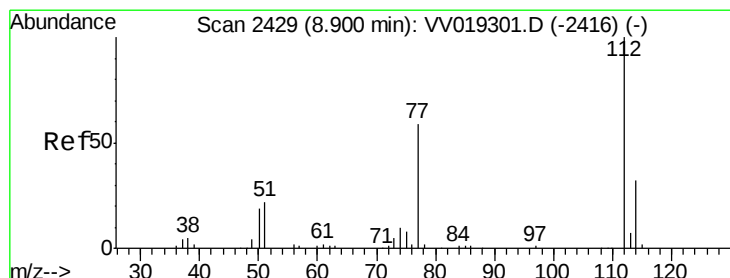
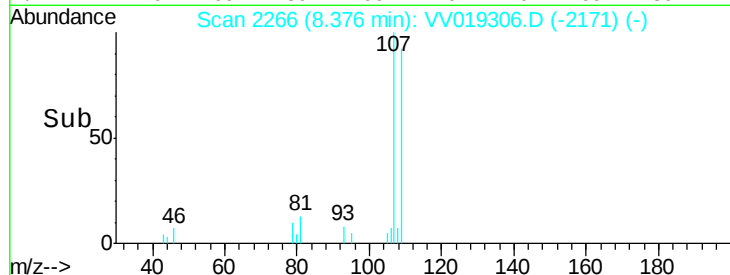
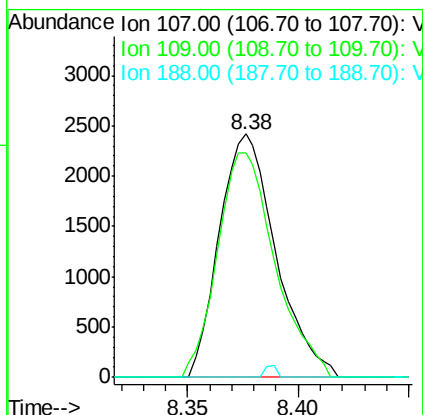
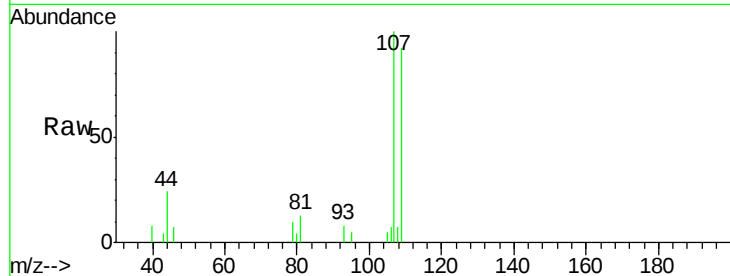




#50
 1,2-Dibromoethane
 Concen: 2.489 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.01 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

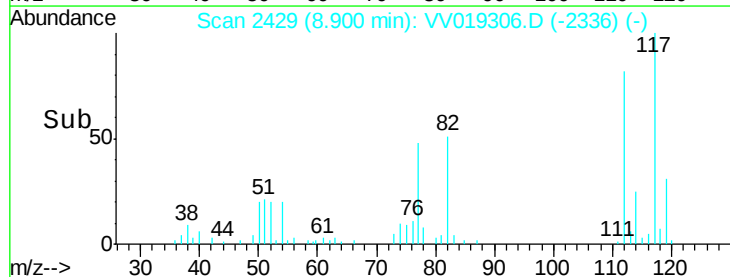
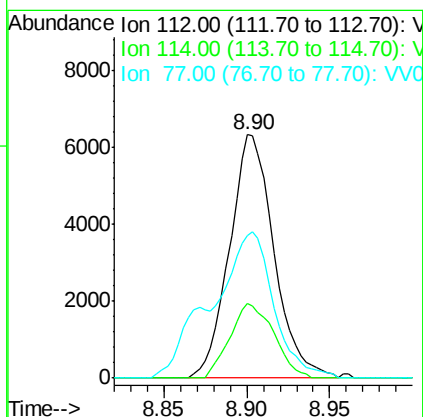
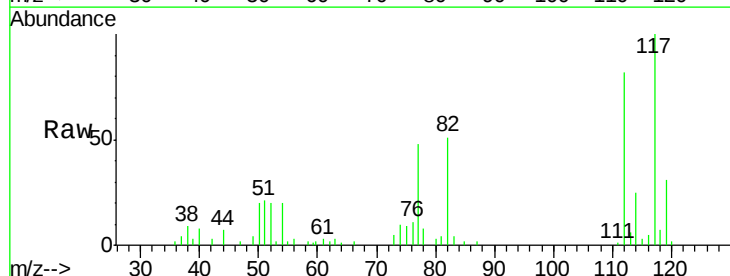
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

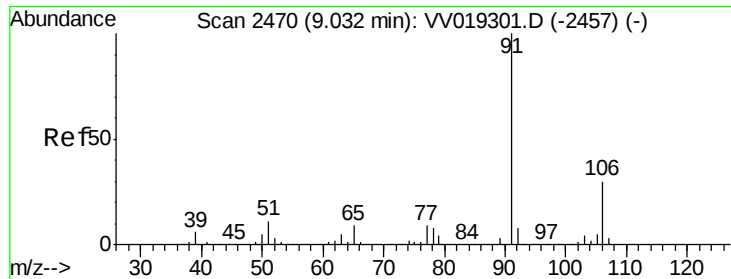
Tot Ion:107 Resp: 4295
 Ion Ratio Lower Upper
 107 100
 109 92.4 64.8 120.4
 188 0.0 3.8 5.8#



#51
 Chlorobenzene
 Concen: 2.584 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion:112 Resp: 11791
 Ion Ratio Lower Upper
 112 100
 114 30.6 22.7 42.1
 77 58.7 47.3 70.9





#52

Ethylbenzene

Concen: 2.357 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleId :

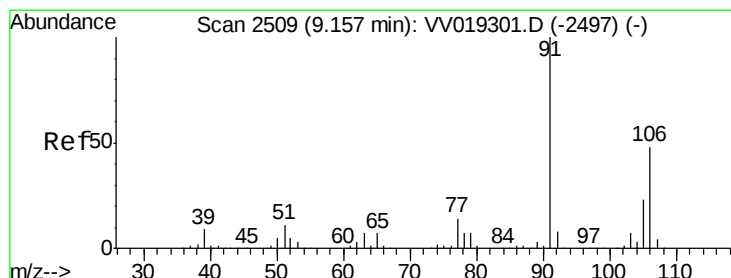
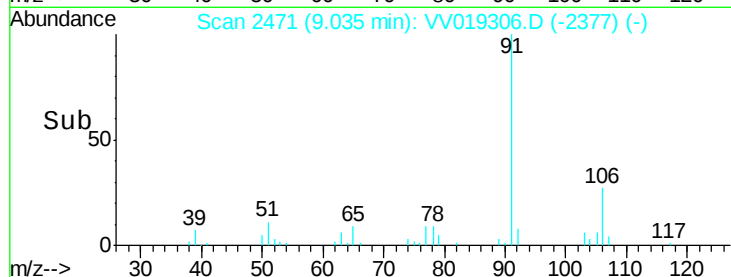
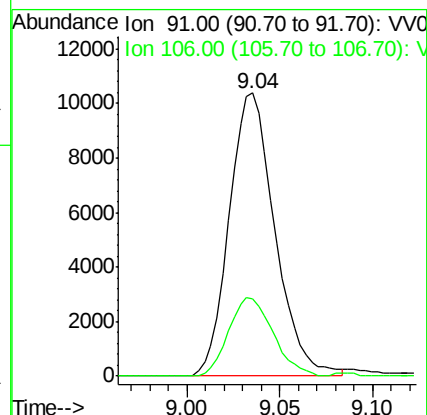
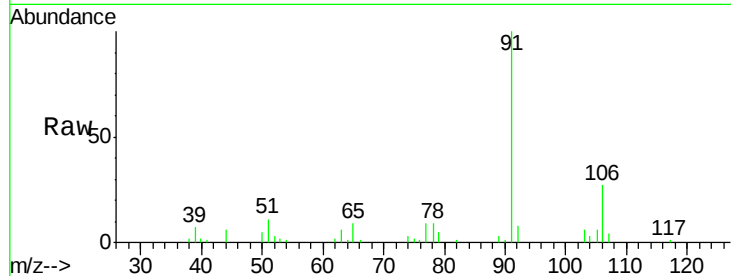
MDL-WATER-04

Tot Ion: 91 Resp: 17742

Ion Ratio Lower Upper

91 100

106 27.3 21.6 40.0



#53

m,p-Xylene

Concen: 2.271 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV019306.D

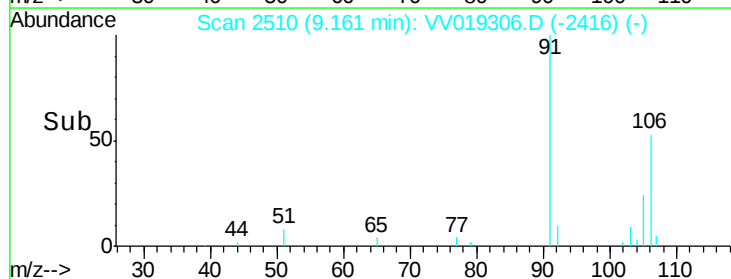
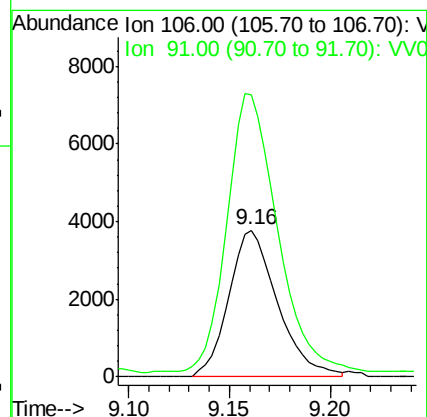
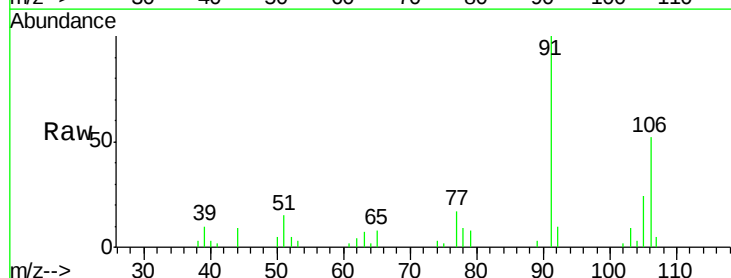
Acq: 09 Nov 2020 16:48

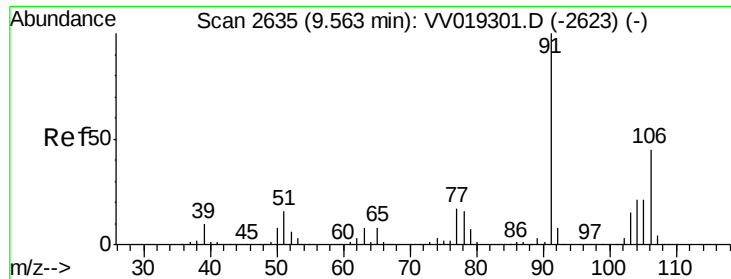
Tgt Ion: 106 Resp: 6399

Ion Ratio Lower Upper

106 100

91 192.3 147.2 273.4

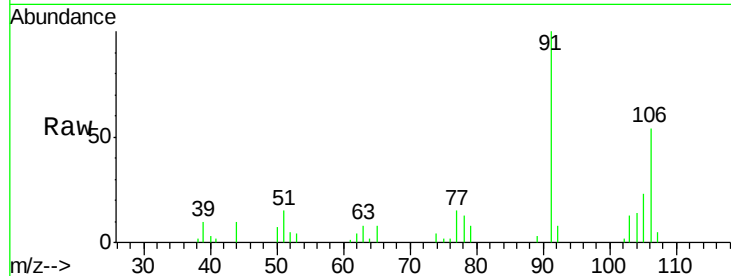




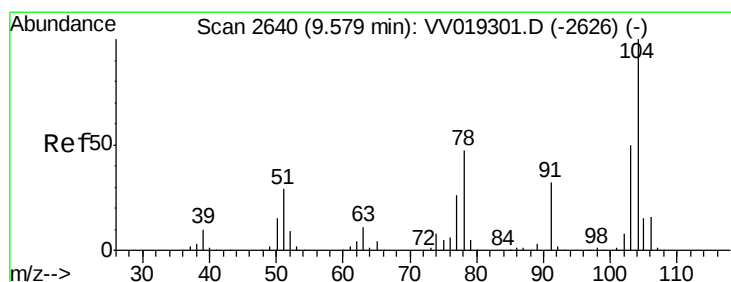
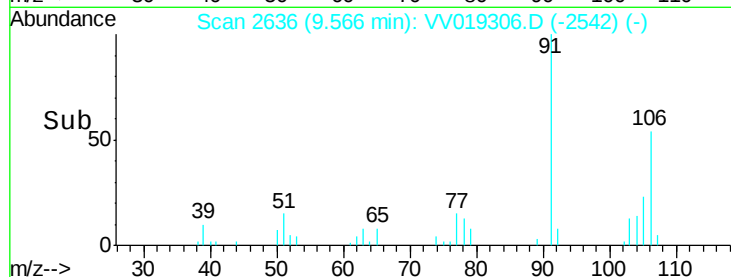
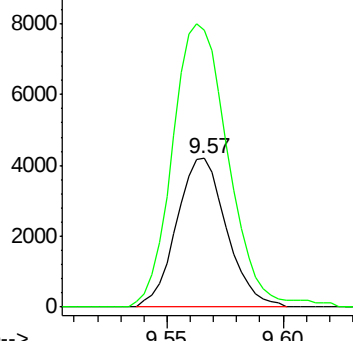
#54
o-Xylene
Concen: 2.268 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

Tot Ion:106 Resp: 6299
Ion Ratio Lower Upper
106 100
91 186.9 151.6 281.6

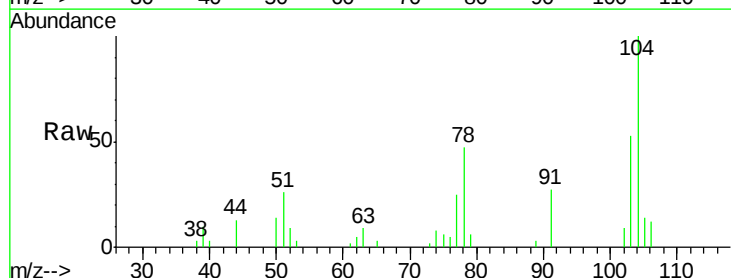


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

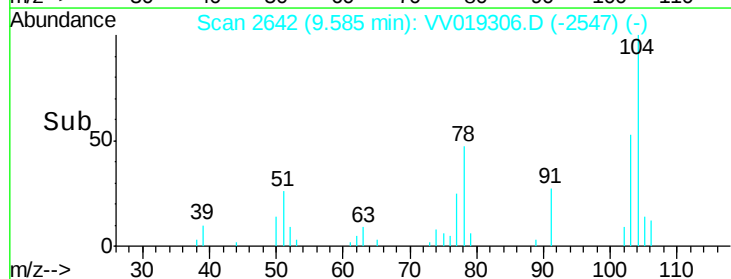
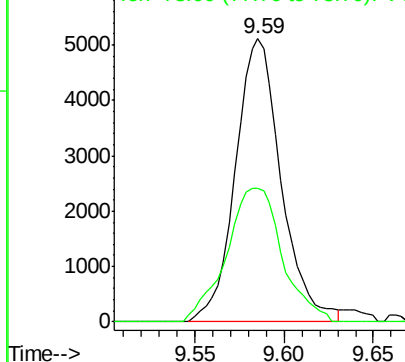


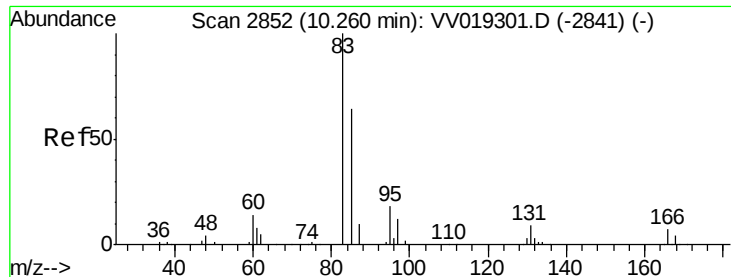
#55
Styrene
Concen: 1.847 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion:104 Resp: 9130
Ion Ratio Lower Upper
104 100
78 47.4 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

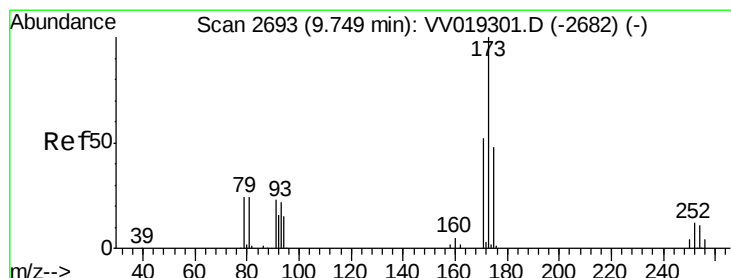
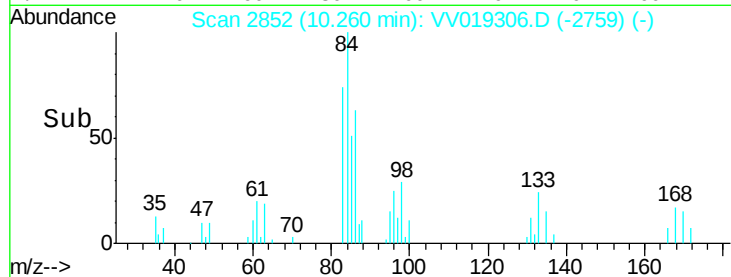
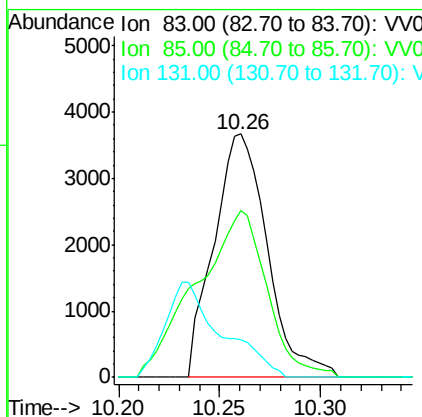
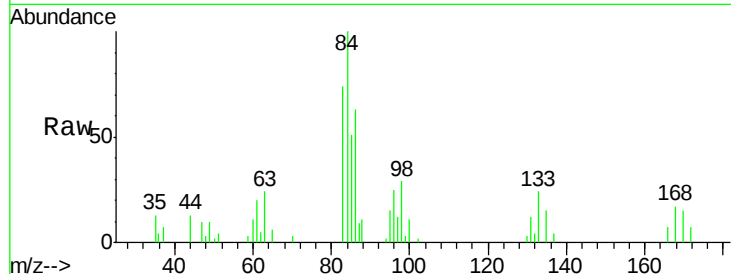




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.689 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

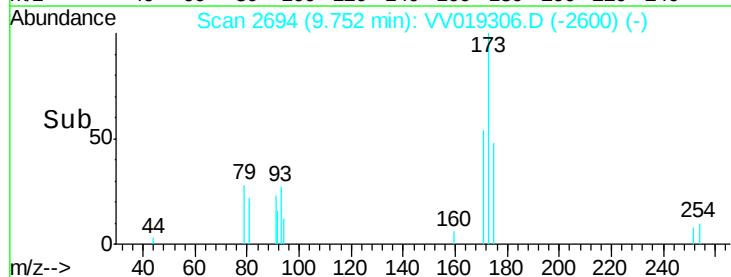
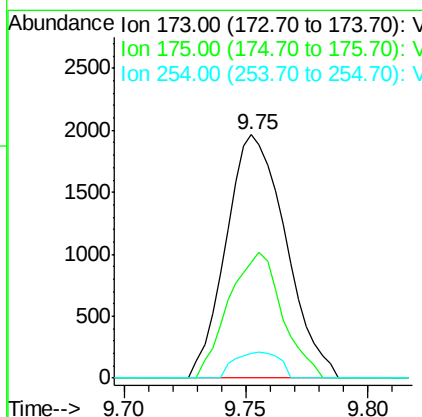
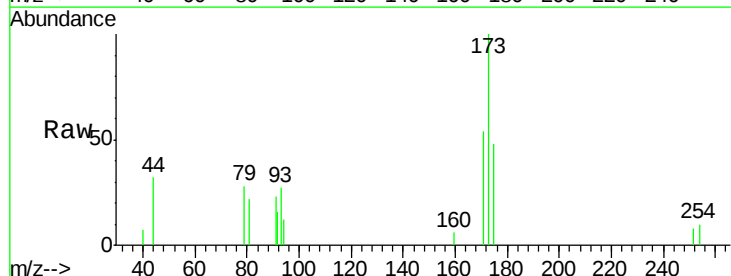
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

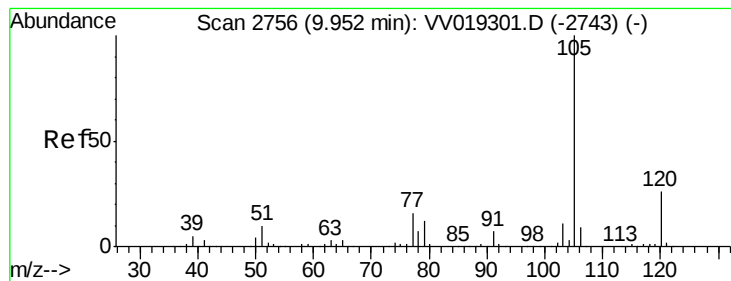
Tot Ion: 83 Resp: 6772
 Ion Ratio Lower Upper
 83 100
 85 68.7 45.0 83.6
 131 15.7 8.9 13.3#



#59
 Bromoform
 Concen: 2.386 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion: 173 Resp: 3338
 Ion Ratio Lower Upper
 173 100
 175 46.3 38.4 57.6
 254 8.1 9.0 13.6#





#60

Isopropylbenzene

Concen: 2.361 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampleID :

MDL-WATER-04

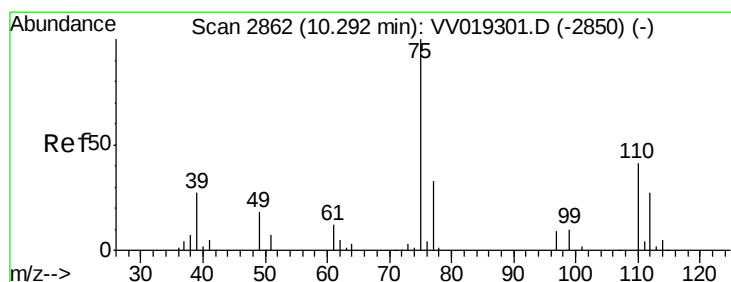
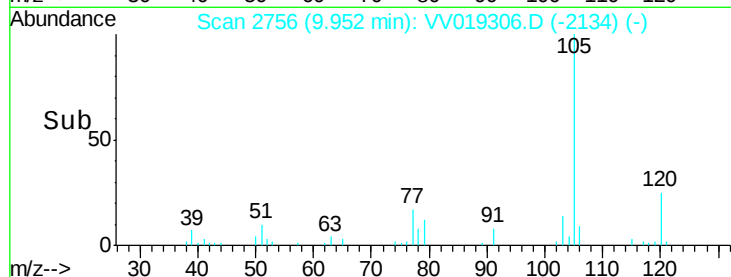
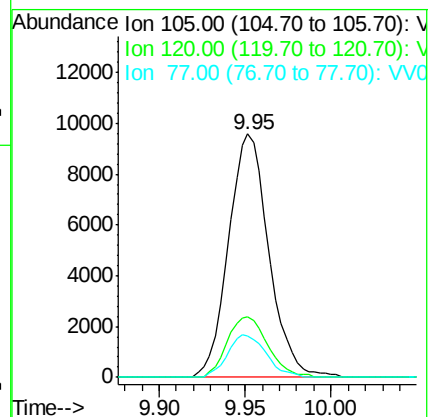
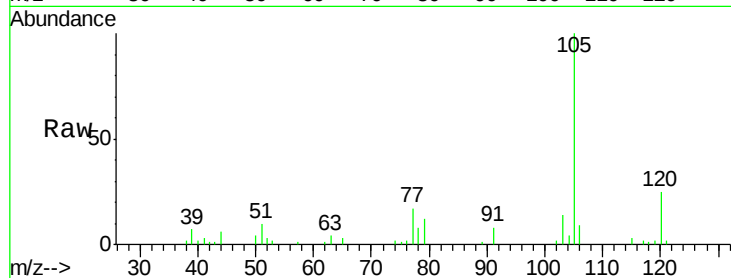
Tot Ion: 105 Resp: 15602

Ion Ratio Lower Upper

105 100

120 24.9 21.0 31.4

77 16.7 13.0 19.6



#61

1,2,3-Trichloropropane

Concen: 2.774 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

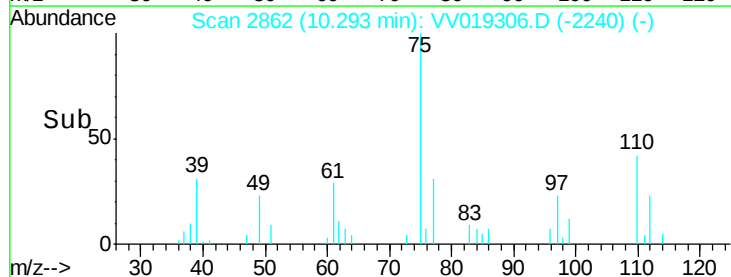
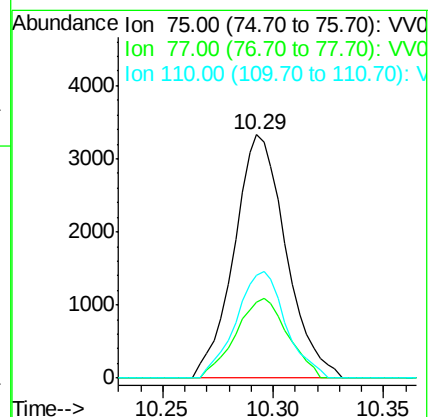
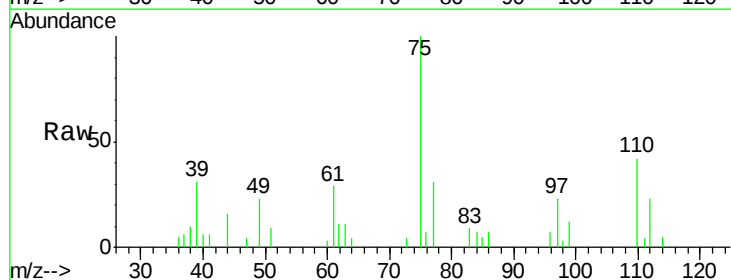
Tgt Ion: 75 Resp: 5432

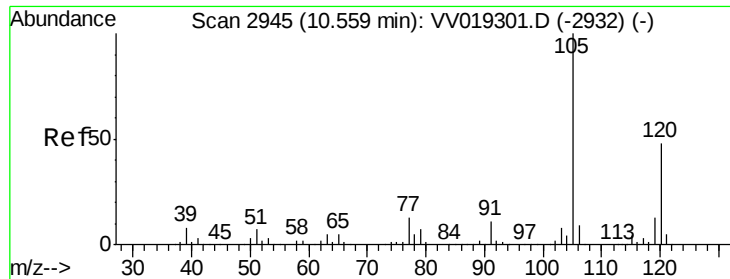
Ion Ratio Lower Upper

75 100

77 32.8 24.8 37.2

110 42.0 33.4 50.2

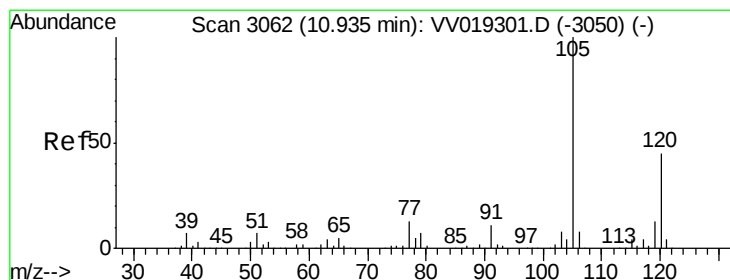
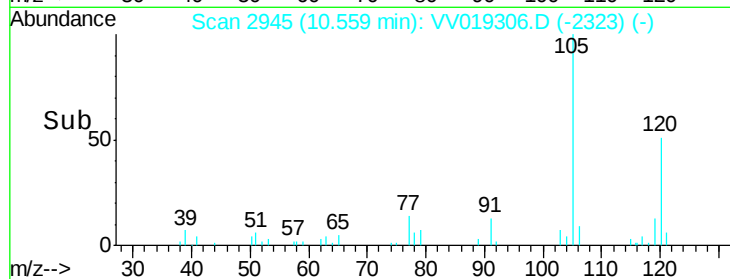
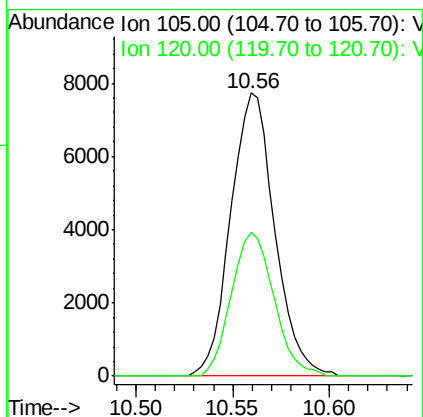
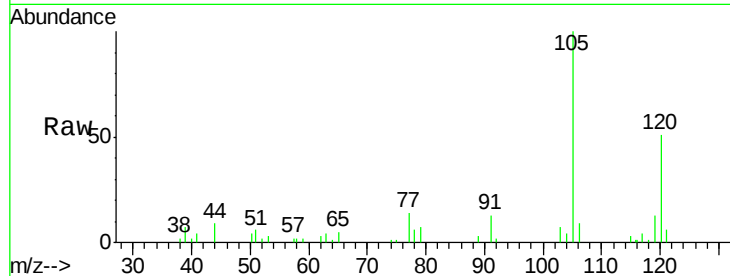




#62
 1,3,5-Trimethylbenzene
 Concen: 2.222 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

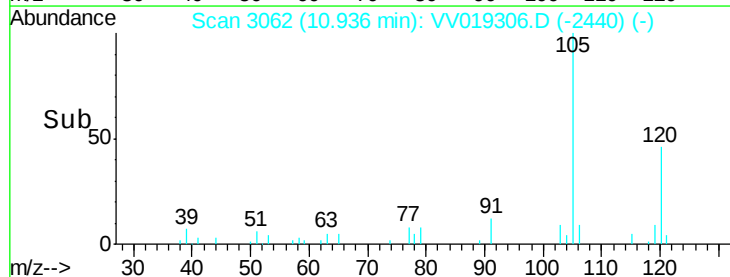
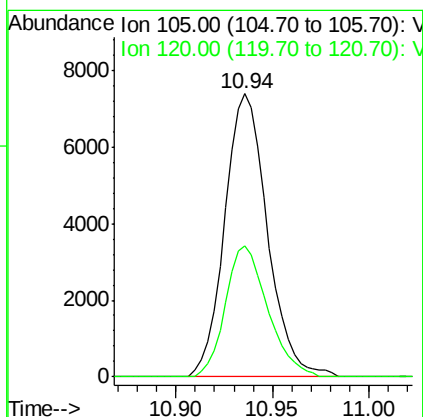
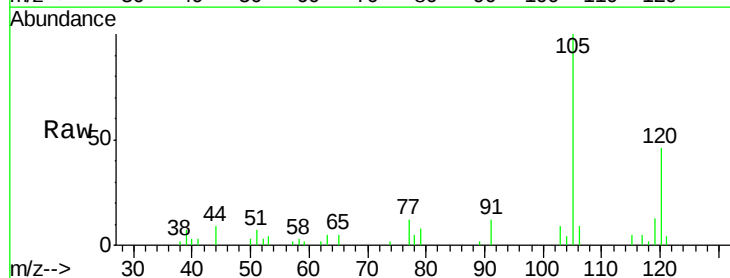
Instrument :
 MSVOA_V
 ClientSampled :
 MDL-WATER-04

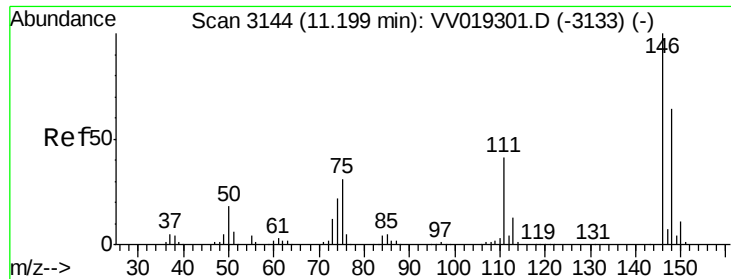
Tot Ion:105 Resp: 12226
 Ion Ratio Lower Upper
 105 100
 120 49.2 38.3 57.5



#63
 1,2,4-Trimethylbenzene
 Concen: 2.105 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion:105 Resp: 11332
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.7 53.5

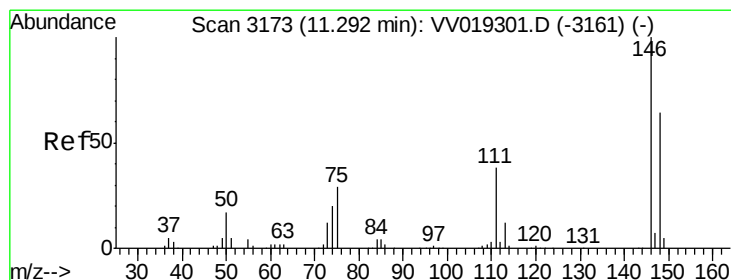
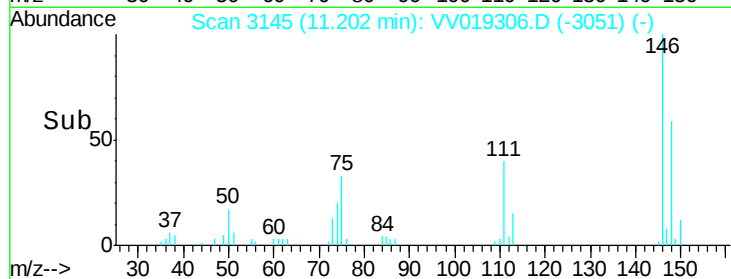
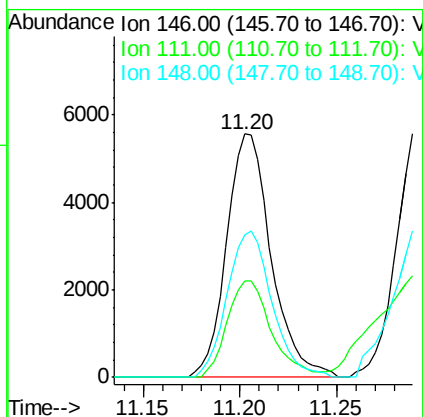
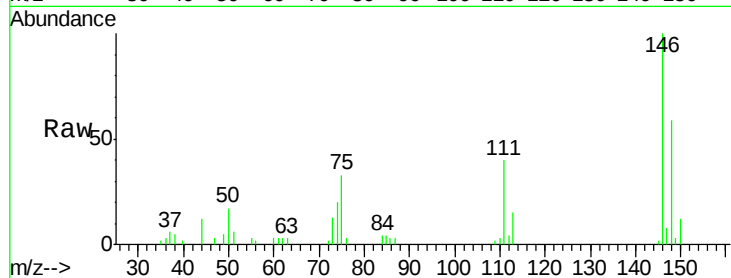




#64
 1,3-Dichlorobenzene
 Concen: 2.577 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

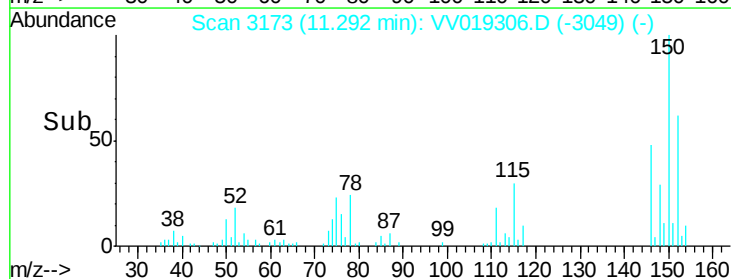
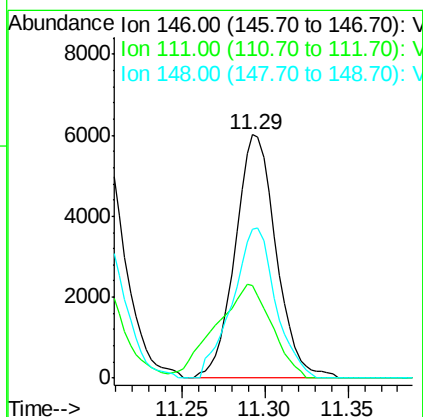
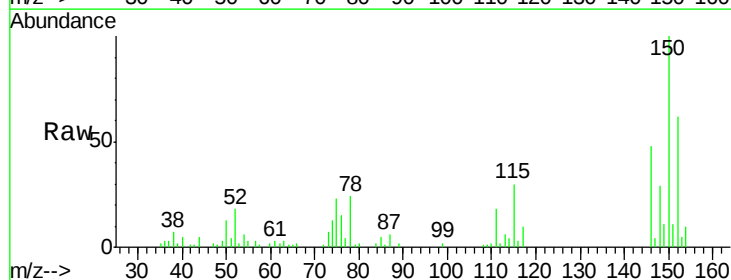
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

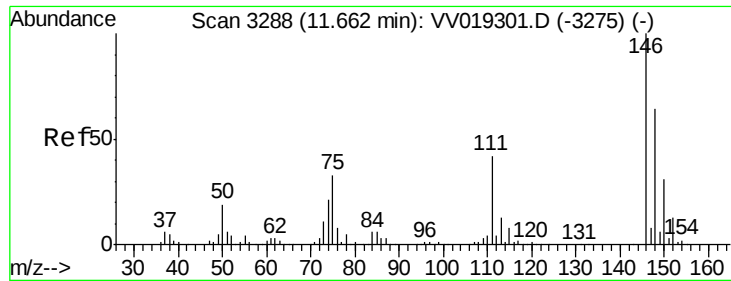
Tot Ion:146 Resp: 8905
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.3 50.7
 148 58.6 45.2 84.0



#65
 1,4-Dichlorobenzene
 Concen: 2.896 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion:146 Resp: 10355
 Ion Ratio Lower Upper
 146 100
 111 38.2 25.9 48.1
 148 61.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 2.782 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. 0.00 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

Instrument :

MSVOA_V

ClientSampled :

MDL-WATER-04

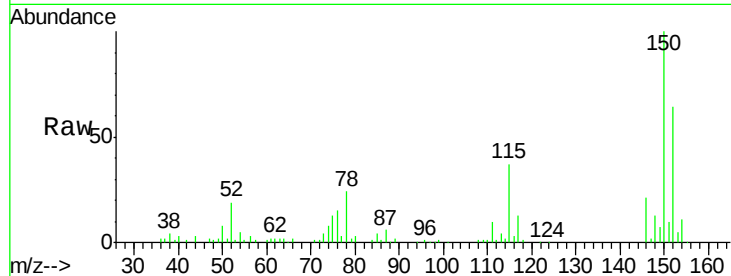
Tot Ion:146 Resp: 9835

Ion Ratio Lower Upper

146 100

111 44.7 32.6 48.8

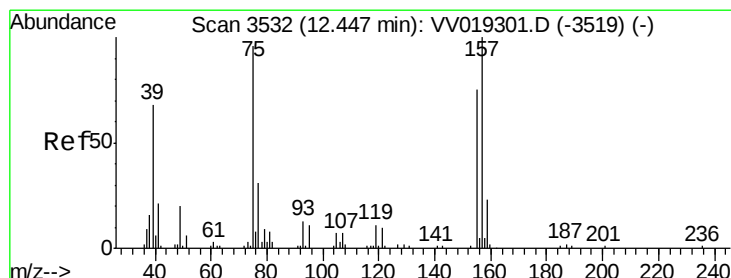
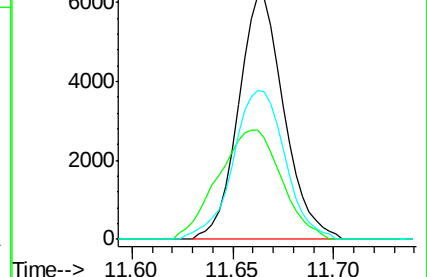
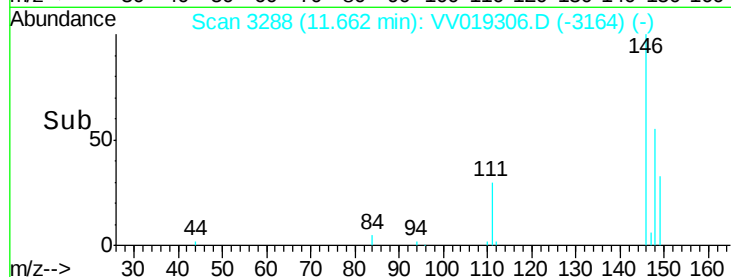
148 61.1 50.1 75.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 2.169 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.01 min

Lab File: VV019306.D

Acq: 09 Nov 2020 16:48

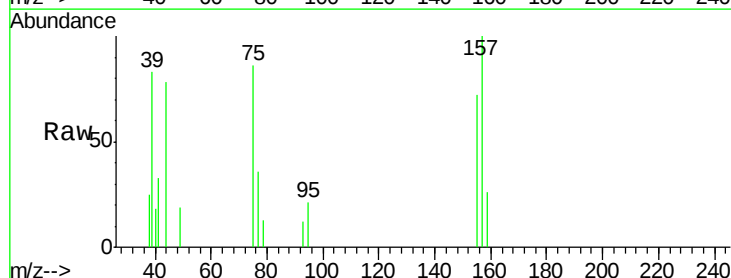
Tgt Ion: 75 Resp: 1239

Ion Ratio Lower Upper

75 100

155 84.2 65.8 98.6

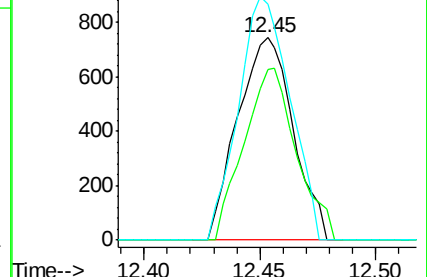
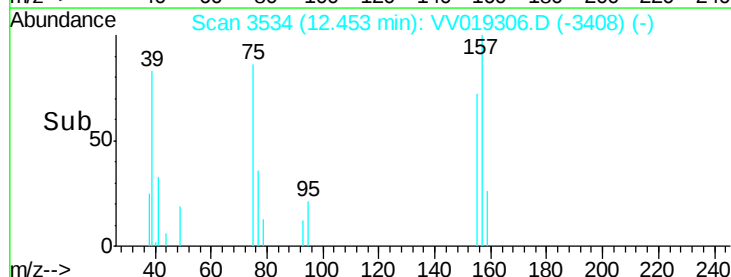
157 116.4 86.3 129.5

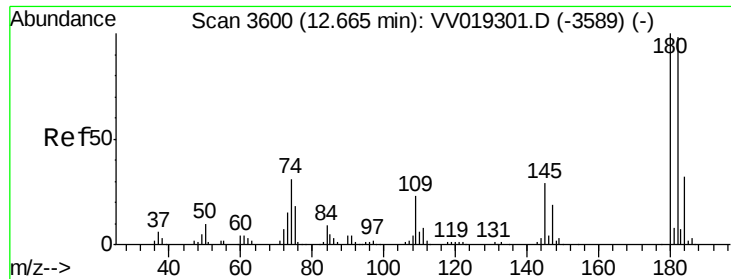


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

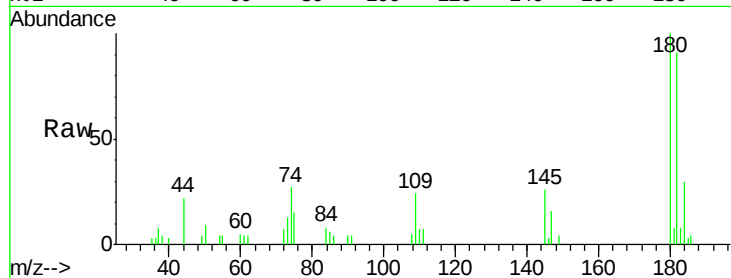




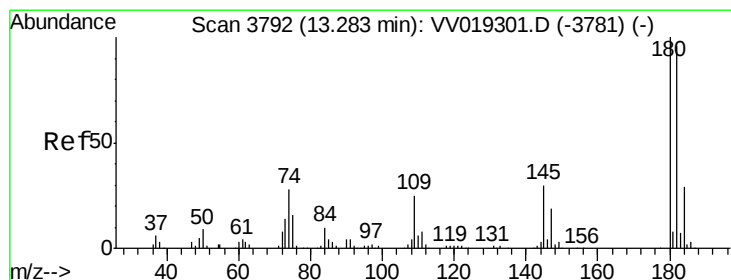
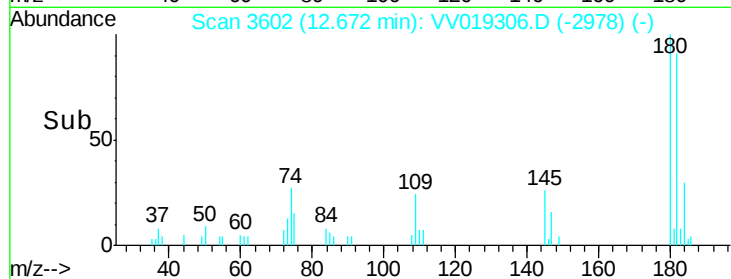
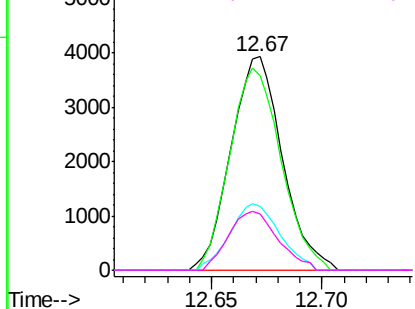
#69
 1,3,5-Trichlorobenzene
 Concen: 2.566 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.01 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-04

Tot Ion:180 Resp: 6364
 Ion Ratio Lower Upper
 180 100
 182 94.4 77.7 116.5
 184 30.2 24.9 37.3
 145 26.5 23.4 35.0

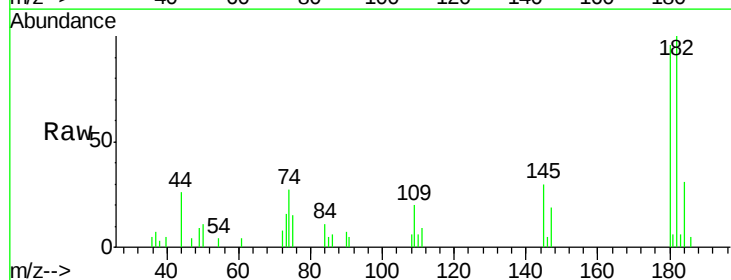


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

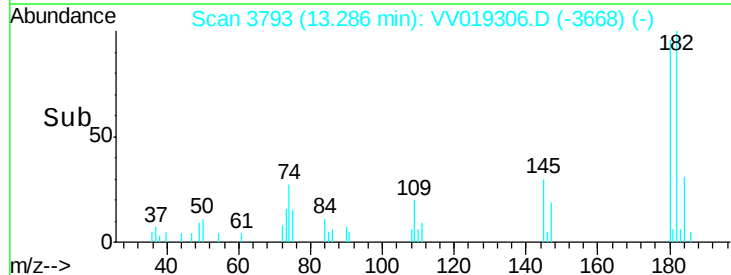
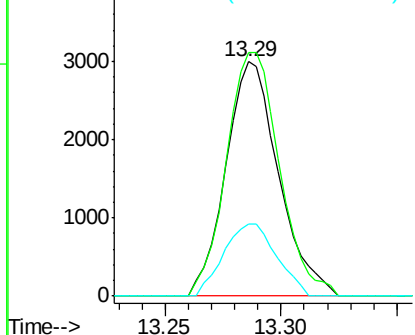


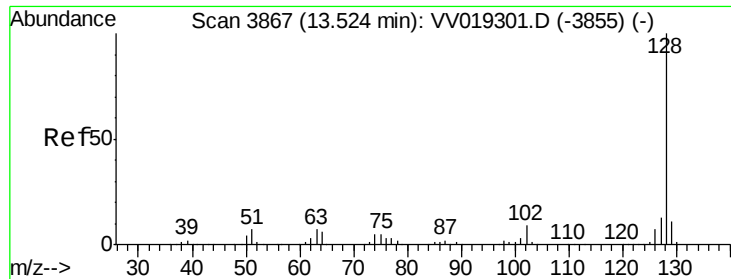
#70
 1,2,4-trichlorobenzene
 Concen: 2.029 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV019306.D
 Acq: 09 Nov 2020 16:48

Tgt Ion:180 Resp: 4736
 Ion Ratio Lower Upper
 180 100
 182 104.6 76.6 114.8
 145 30.8 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

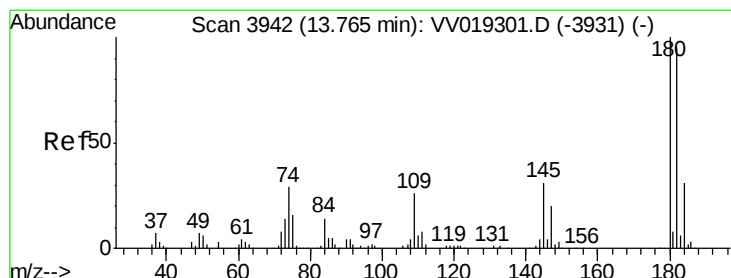
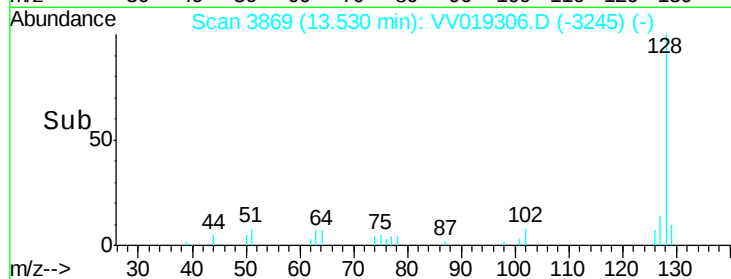
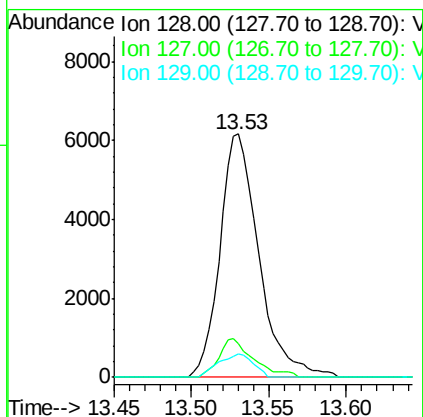
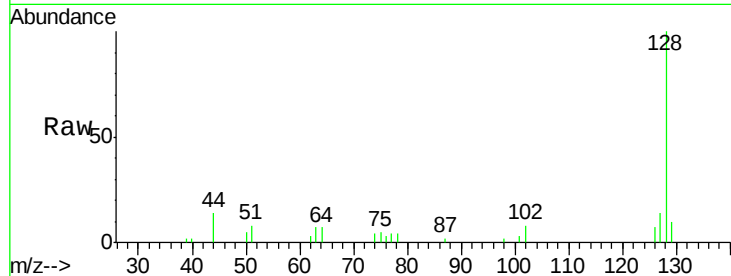




#71
Naphthalene
Concen: 1.635 ug/L
RT: 13.53 min Scan# 3869
Delta R.T. 0.01 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-04

Tot Ion:128 Resp: 10765
Ion Ratio Lower Upper
128 100
127 13.4 10.7 16.1
129 8.6 8.6 13.0#



#72
1,2,3-Trichlorobenzene
Concen: 2.069 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV019306.D
Acq: 09 Nov 2020 16:48

Tgt Ion:180 Resp: 4788
Ion Ratio Lower Upper
180 100
182 91.1 77.4 116.0
145 31.6 24.7 37.1

