

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102720\
 Data File : VX019141.D
 Acq On : 27 Oct 2020 17:11
 Operator : JC/MD
 Sample : L4214-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Quant Time: Oct 28 03:14:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 28 03:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	273036	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	456269	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	404150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	174551	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
35) Dibromofluoromethane	5.46	113	137081	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
50) Toluene-d8	8.70	98	517324	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	
62) 4-Bromofluorobenzene	11.12	95	189862	46.40	ug/l	0.00
Spiked Amount			Recovery	=	92.80%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	5608	2.464	ug/l	92
3) Chloromethane	1.31	50	6455	2.538	ug/l	100
4) Vinyl Chloride	1.39	62	7353	2.493	ug/l	99
5) Bromomethane	1.64	94	6360	3.158	ug/l	98
6) Chloroethane	1.71	64	4698	2.495	ug/l	94
7) Trichlorofluoromethane	1.92	101	11940	2.577	ug/l	100
8) Diethyl Ether	2.17	74	4687	2.636	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	6229	2.426	ug/l	94
10) Methyl Iodide	2.49	142	3900	1.494	ug/l	98
11) Tert butyl alcohol	3.03	59	9584	13.781	ug/l #	85
12) 1,1-Dichloroethene	2.36	96	6508	2.459	ug/l	97
13) Acrolein	2.28	56	6167	18.203	ug/l	94
14) Allyl chloride	2.71	41	10386	2.591	ug/l	96
15) Acrylonitrile	3.12	53	18129	12.405	ug/l	99
16) Acetone	2.42	43	15281	12.580	ug/l	95
17) Carbon Disulfide	2.55	76	18502	2.300	ug/l	99
18) Methyl Acetate	2.75	43	7273	2.462	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	22280	2.430	ug/l	99
20) Methylene Chloride	2.83	84	7683	2.519	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	7882	2.588	ug/l	96
22) Diisopropyl ether	3.82	45	20357	2.548	ug/l #	70
23) Vinyl Acetate	3.79	43	86672	12.163	ug/l	100
24) 1,1-Dichloroethane	3.67	63	12284	2.462	ug/l	98
25) 2-Butanone	4.64	43	24044	12.559	ug/l	97
26) 2,2-Dichloropropane	4.55	77	11114	2.370	ug/l	98
27) cis-1,2-Dichloroethene	4.56	96	8225	2.417	ug/l	97
28) Bromochloromethane	4.99	49	5724	2.524	ug/l	99
29) Tetrahydrofuran	5.10	42	15782	13.081	ug/l	97
30) Chloroform	5.17	83	13202	2.486	ug/l	96
31) Cyclohexane	5.55	56	10779	2.422	ug/l	97
32) 1,1,1-Trichloroethane	5.46	97	11523	2.393	ug/l	96
36) 1,1-Dichloropropene	5.77	75	10264	2.436	ug/l	97
37) Ethyl Acetate	4.80	43	9859	2.520	ug/l	99
38) Carbon Tetrachloride	5.75	117	9795	2.281	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.44	83	11713	2.325	ug/l	91
40) Benzene	6.11	78	28906	2.420	ug/l	99
41) Methacrylonitrile	5.00	41	5483	2.603	ug/l	93
42) 1,2-Dichloroethane	6.16	62	10979	2.494	ug/l	100
43) Isopropyl Acetate	6.41	43	16100	2.458	ug/l	98
44) Trichloroethene	7.20	130	8062	2.356	ug/l	94
45) 1,2-Dichloropropane	7.49	63	6999	2.392	ug/l	95
46) Dibromomethane	7.64	93	5317	2.457	ug/l	98
47) Bromodichloromethane	7.87	83	9946	2.332	ug/l	98
48) Methyl methacrylate	7.74	41	7620	2.417	ug/l	95
49) 1,4-Dioxane	7.74	88	3504	49.977	ug/l	97
51) 4-Methyl-2-Pentanone	8.62	43	45891	12.190	ug/l	99
52) Toluene	8.77	92	18598	2.417	ug/l	98
53) t-1,3-Dichloropropene	9.02	75	10362	2.127	ug/l	99
54) cis-1,3-Dichloropropene	8.41	75	11475	2.240	ug/l	98
55) 1,1,2-Trichloroethane	9.20	97	7283	2.396	ug/l	98
56) Ethyl methacrylate	9.16	69	10586	2.305	ug/l	94
57) 1,3-Dichloropropane	9.35	76	12375	2.414	ug/l	97
58) 2-Chloroethyl Vinyl ether	8.29	63	29055	11.314	ug/l	98
59) 2-Hexanone	9.48	43	34829	12.153	ug/l	95
60) Dibromochloromethane	9.56	129	7335	2.223	ug/l	100
61) 1,2-Dibromoethane	9.65	107	7899	2.430	ug/l	99
64) Tetrachloroethene	9.32	164	7815	2.538	ug/l	98
65) Chlorobenzene	10.12	112	19722	2.388	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.21	131	6609	2.222	ug/l	95
67) Ethyl Benzene	10.23	91	34739	2.360	ug/l	99
68) m/p-Xylenes	10.34	106	25254	4.571	ug/l	96
69) o-Xylene	10.68	106	12343	2.356	ug/l	99
70) Styrene	10.70	104	19560	2.188	ug/l	98
71) Bromoform	10.84	173	4762	2.020	ug/l #	98
73) Isopropylbenzene	11.00	105	32959	2.351	ug/l	99
74) N-amyl acetate	10.88	43	11498	2.243	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.25	83	10490	2.394	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	11798	2.885	ug/l	93
77) Bromobenzene	11.24	156	8232	2.366	ug/l	97
78) n-propylbenzene	11.34	91	37314	2.332	ug/l	99
79) 2-Chlorotoluene	11.40	91	22788	2.419	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	26707	2.255	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.05	75	2948	1.898	ug/l	87
82) 4-Chlorotoluene	11.49	91	26848	2.334	ug/l	100
83) tert-Butylbenzene	11.76	119	25254	2.227	ug/l	93
84) 1,2,4-Trimethylbenzene	11.79	105	26735	2.236	ug/l	100
85) sec-Butylbenzene	11.93	105	31616	2.325	ug/l	100
86) p-Isopropyltoluene	12.05	119	28370	2.260	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	15504	2.393	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	15580	2.310	ug/l	85
89) n-Butylbenzene	12.37	91	25246	2.140	ug/l	100
90) Hexachloroethane	12.58	117	4196	1.967	ug/l	98
91) 1,2-Dichlorobenzene	12.38	146	14601	2.347	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.98	75	2351	2.192	ug/l	97

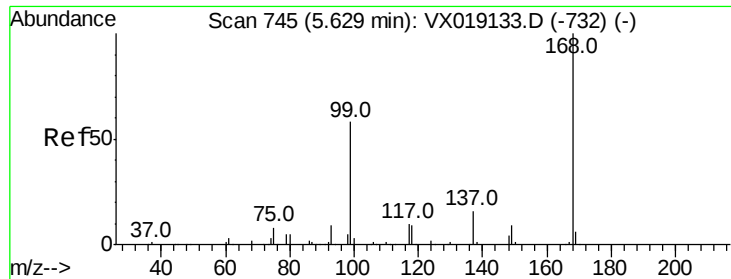
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102720\
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Quant Title : SW846 8260
QLast Update : Wed Oct 28 03:10:38 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	9327	1.996	ug/l	98
94) Hexachlorobutadiene	13.76	225	4581	2.227	ug/l	96
95) Naphthalene	13.82	128	30104	2.045	ug/l	99
96) 1,2,3-Trichlorobenzene	14.00	180	9626	2.123	ug/l	98

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



#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

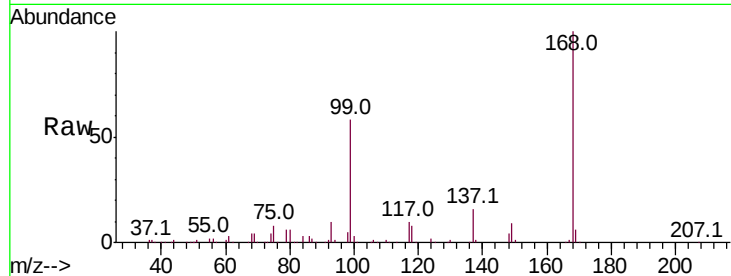
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:168 Resp: 273036

Ion Ratio Lower Upper

168 100

99 58.0 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

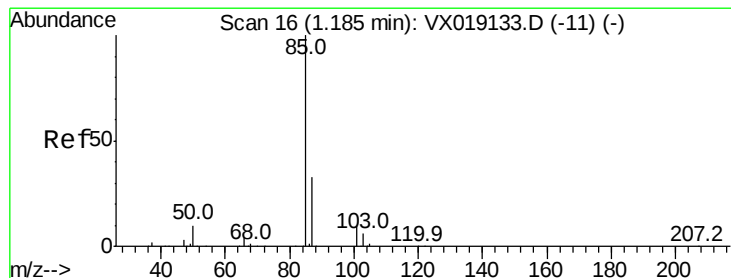
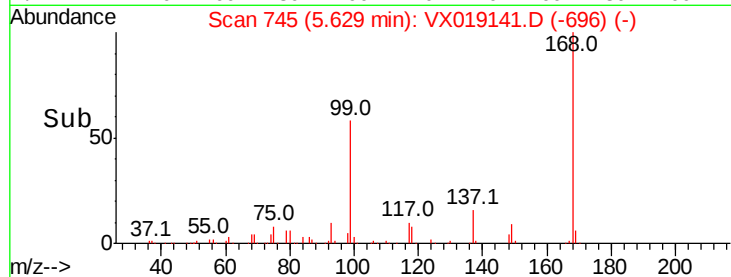
40000

20000

0

5.50 5.60 5.70

Time-->



#2

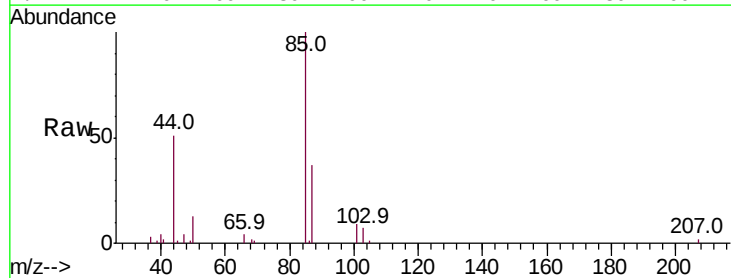
Dichlorodifluoromethane
 Concen: 2.464 ug/l
 RT: 1.18 min Scan# 16
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 85 Resp: 5608

Ion Ratio Lower Upper

85 100

87 37.4 16.6 49.7



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

6000

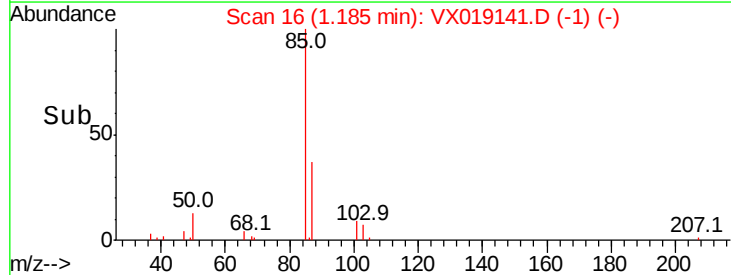
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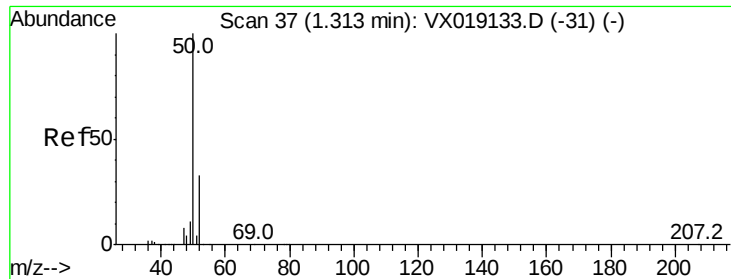
2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 2.538 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

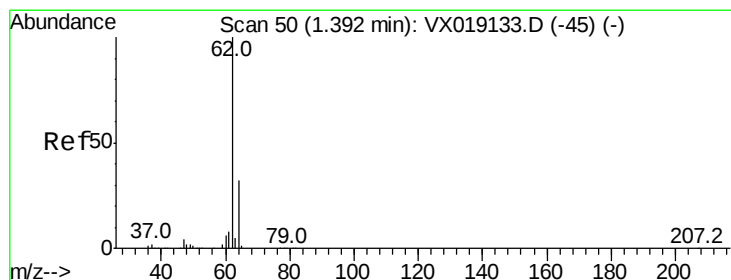
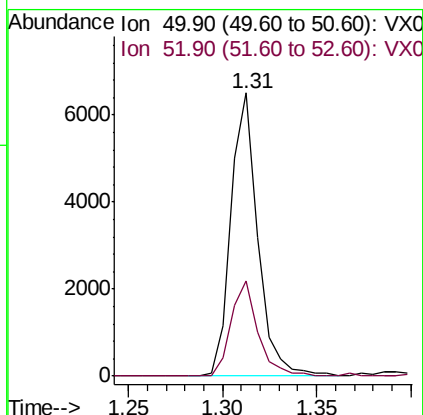
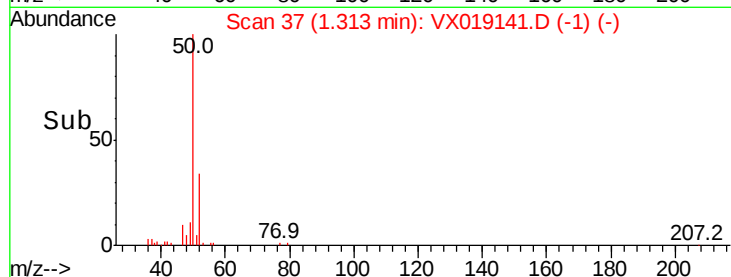
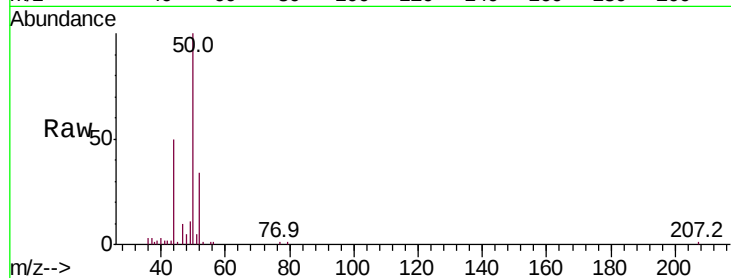
MDL-WATER-03-QT4-2020

Tot Ion: 50 Resp: 6455

Ion Ratio Lower Upper

50 100

52 33.6 26.8 40.2



#4

Vinyl Chloride

Concen: 2.493 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019141.D

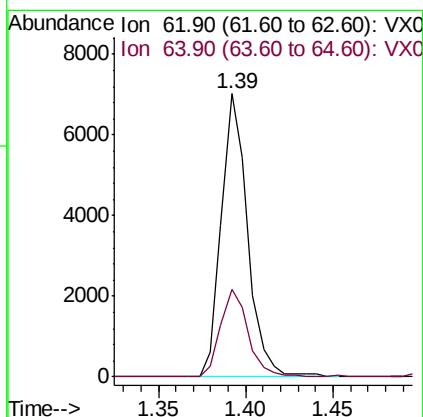
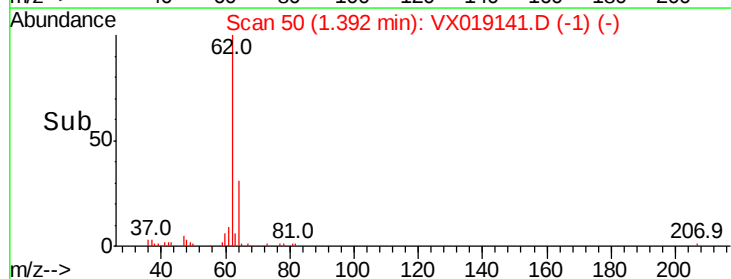
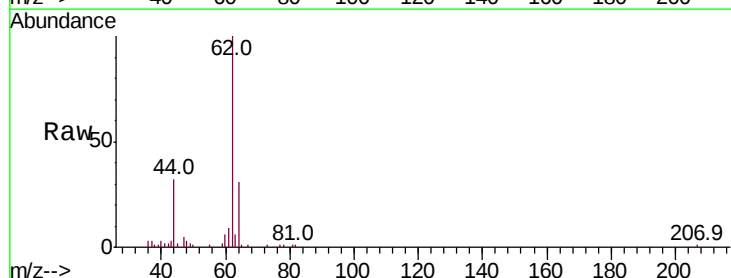
Acq: 27 Oct 2020 17:11

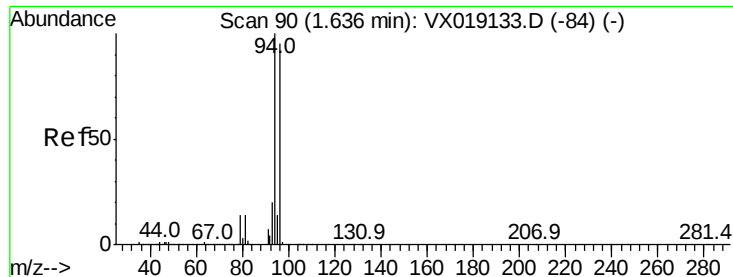
Tgt Ion: 62 Resp: 7353

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.0





#5

Bromomethane

Concen: 3.158 ug/l

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

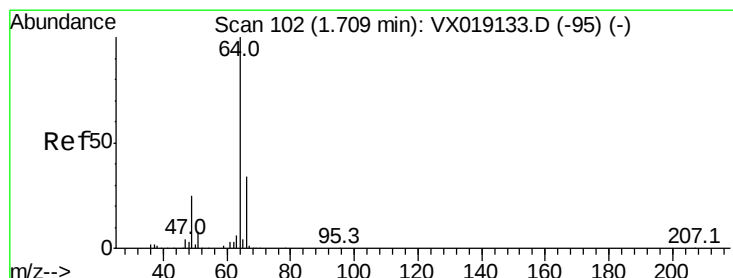
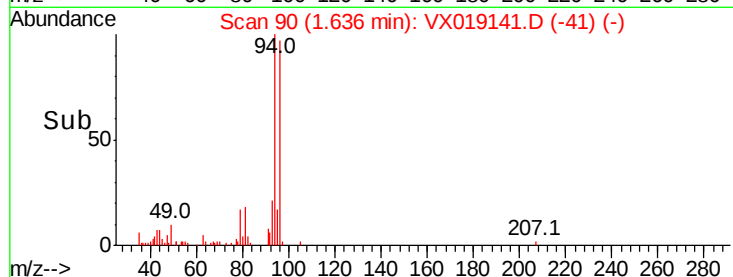
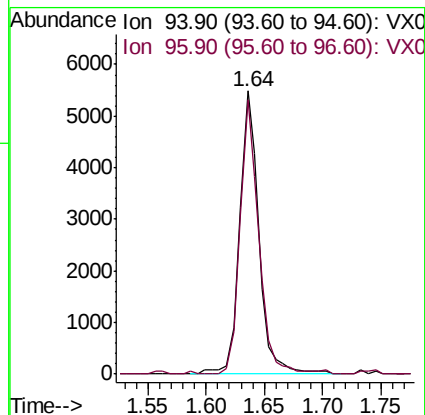
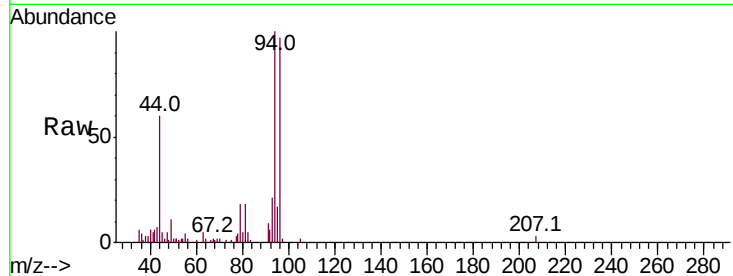
MDL-WATER-03-QT4-2020

Tot Ion: 94 Resp: 6360

Ion Ratio Lower Upper

94 100

96 96.9 76.0 114.0



#6

Chloroethane

Concen: 2.495 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX019141.D

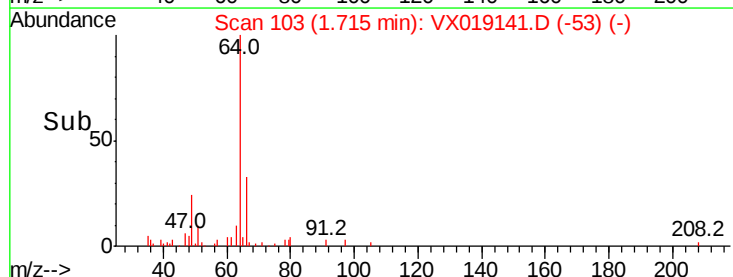
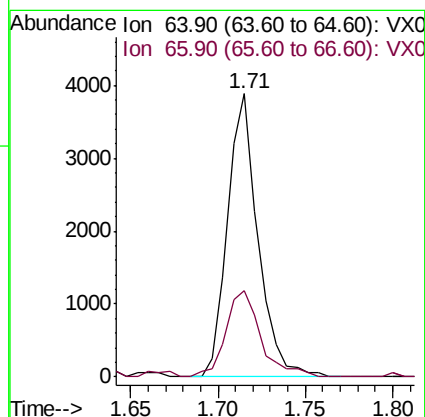
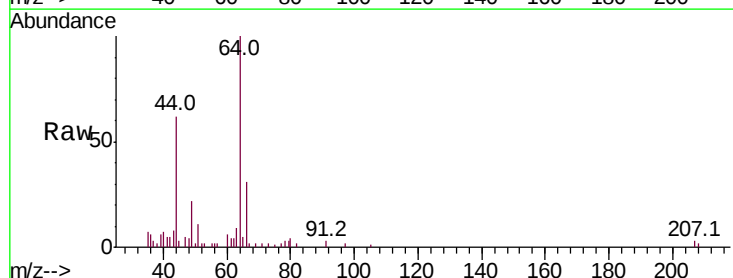
Acq: 27 Oct 2020 17:11

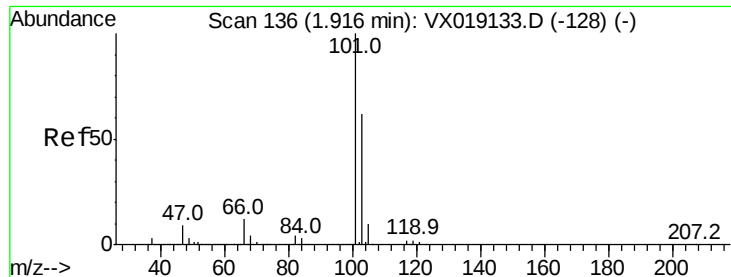
Tgt Ion: 64 Resp: 4698

Ion Ratio Lower Upper

64 100

66 30.7 27.1 40.7



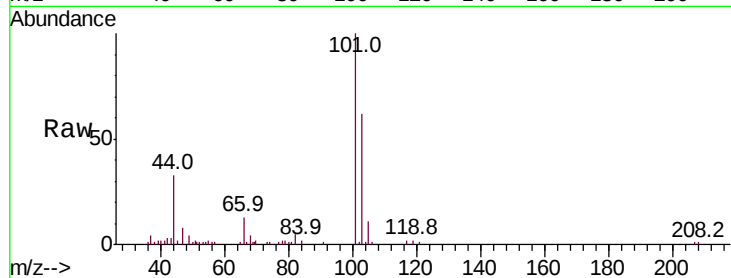


#7

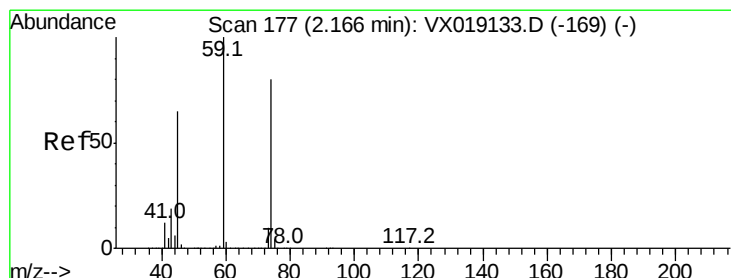
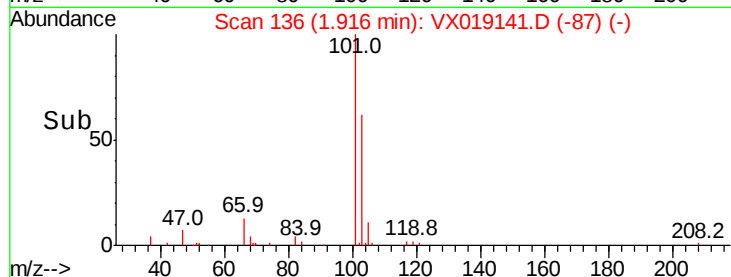
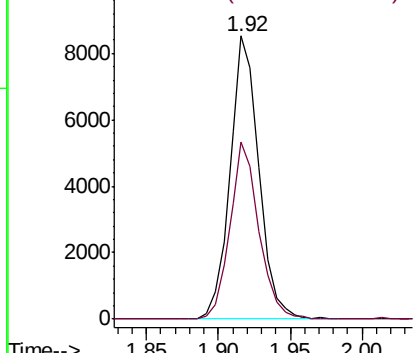
Trichlorofluoromethane
 Concen: 2.577 ug/l
 RT: 1.92 min Scan# 136
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:101 Resp: 11940
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.0 75.0



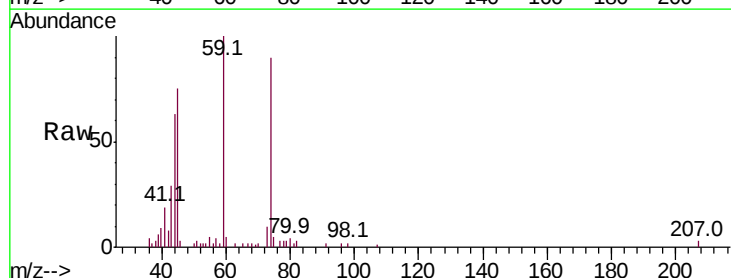
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



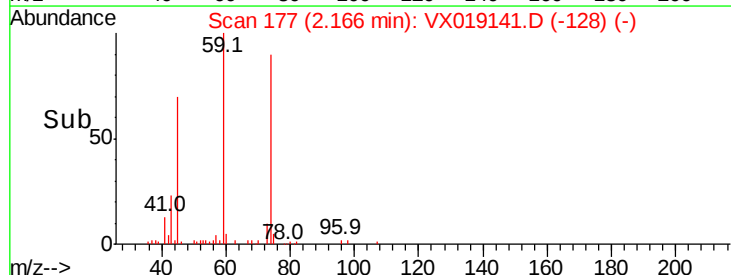
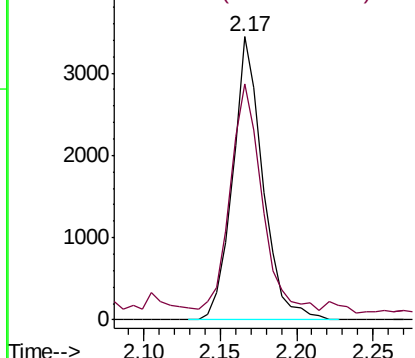
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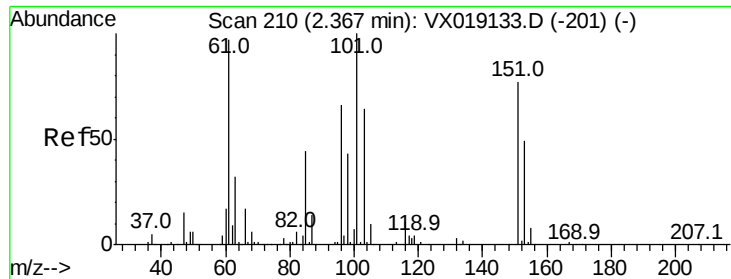
Diethyl Ether
 Concen: 2.636 ug/l
 RT: 2.17 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 74 Resp: 4687
 Ion Ratio Lower Upper
 74 100
 45 83.9 41.0 123.0



Abundance Ion 74.00 (73.70 to 74.70): VX0
 Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.426 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

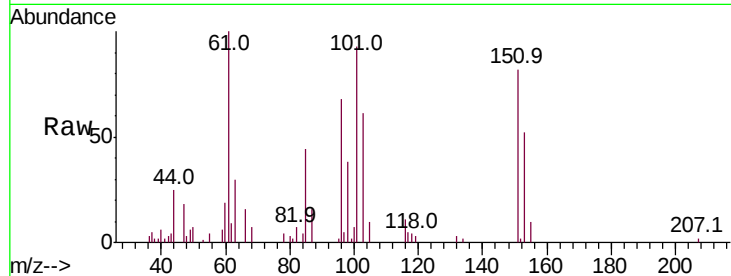
Tot Ion:101 Resp: 6229

Ion Ratio Lower Upper

101 100

85 45.7 35.0 52.4

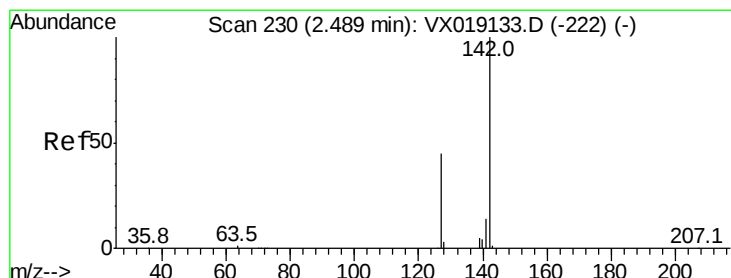
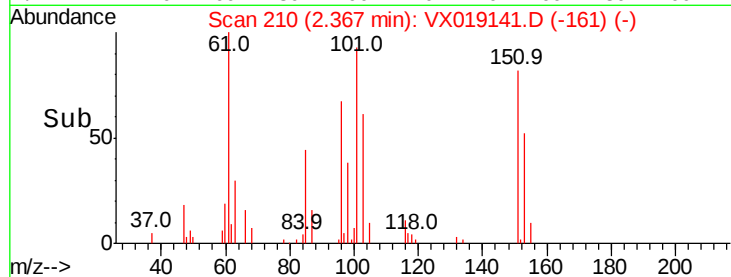
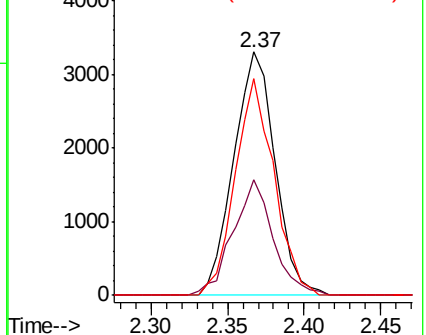
151 83.2 61.4 92.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 1.494 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

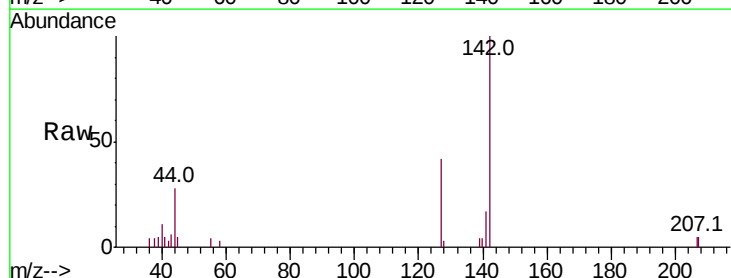
Tgt Ion:142 Resp: 3900

Ion Ratio Lower Upper

142 100

127 46.0 36.1 54.1

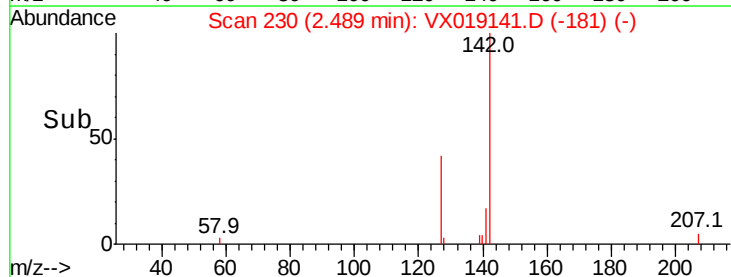
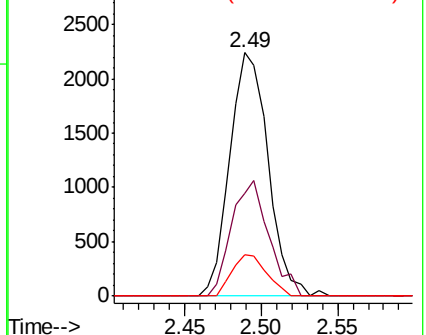
141 15.3 11.3 16.9

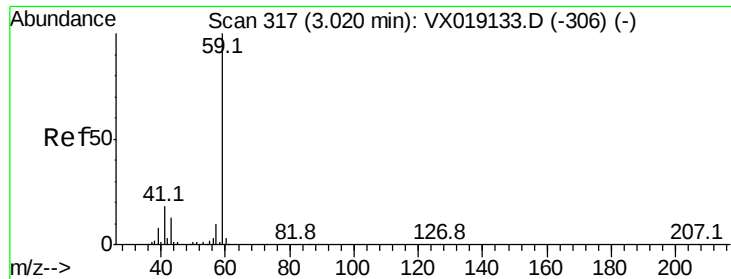


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

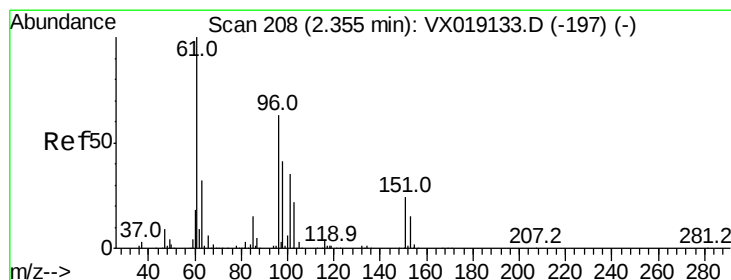
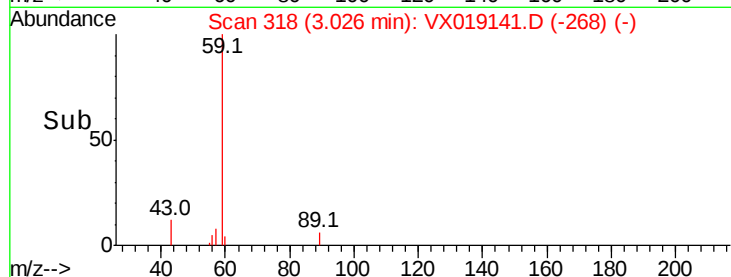
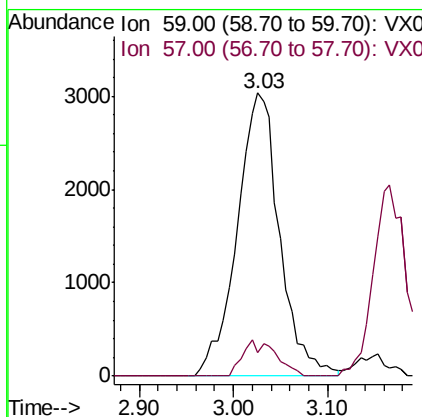
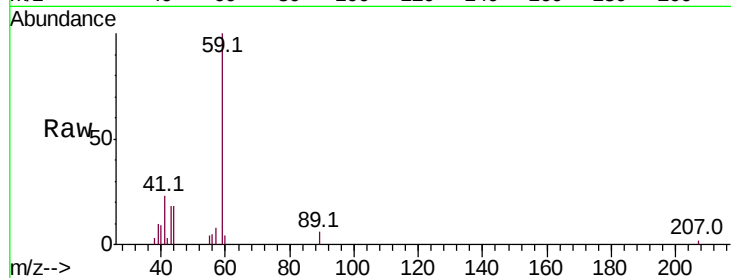




#11
Tert butyl alcohol
Concen: 13.781 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

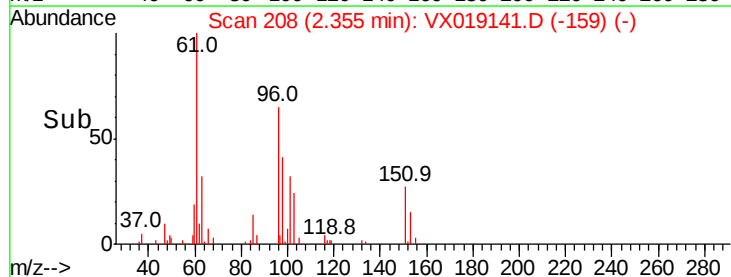
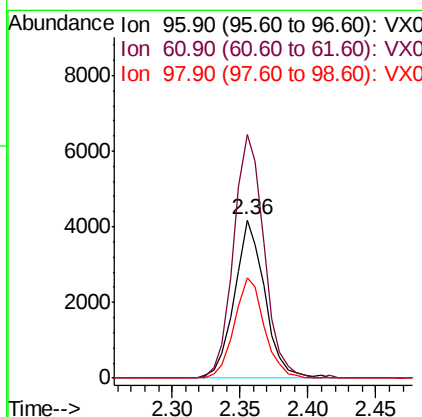
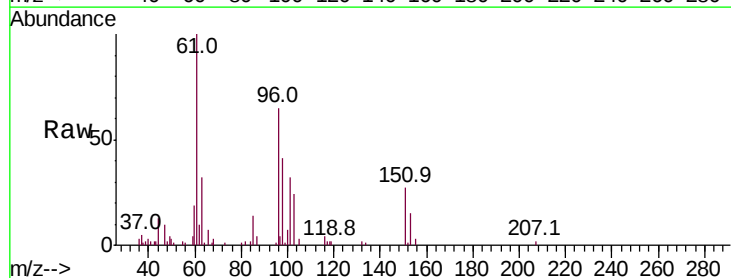
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

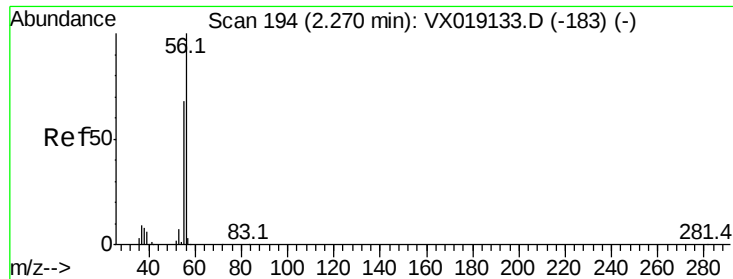
Tot Ion: 59 Resp: 9584
Ion Ratio Lower Upper
59 100
57 4.7 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 2.459 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 96 Resp: 6508
Ion Ratio Lower Upper
96 100
61 154.1 127.7 191.5
98 63.8 52.1 78.1





#13

Acrolein

Concen: 18.203 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

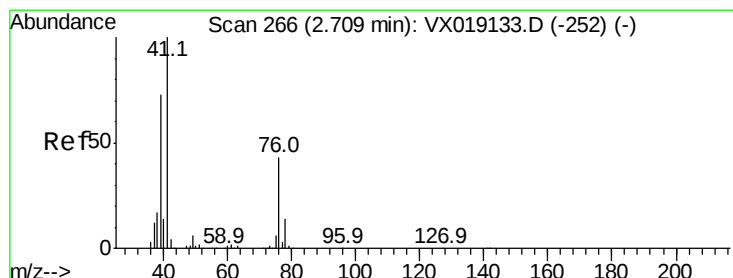
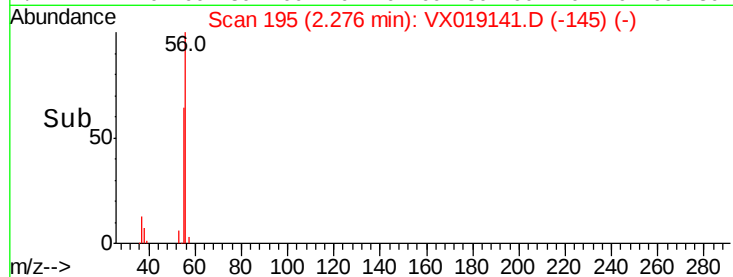
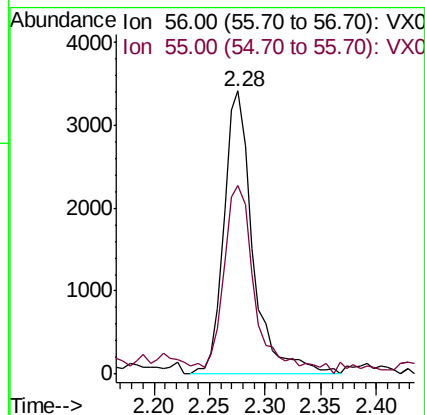
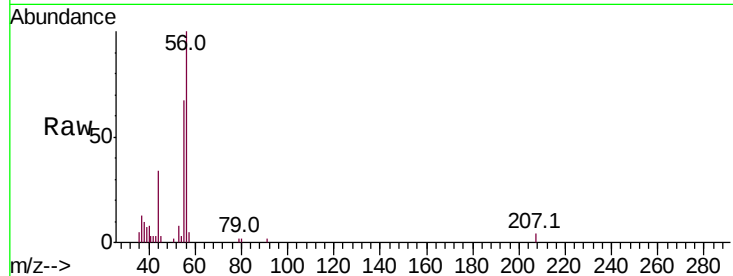
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 6167

Ion Ratio Lower Upper

56 100

55 73.6 54.7 82.1



#14

Allyl chloride

Concen: 2.591 ug/l

RT: 2.71 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

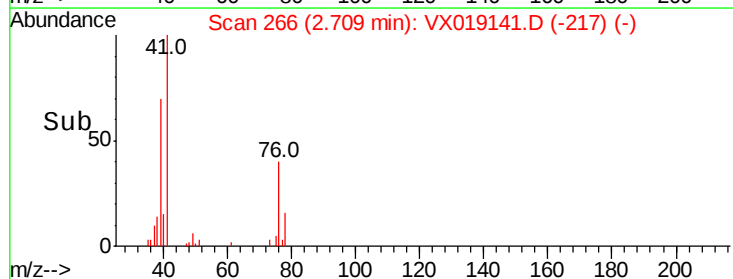
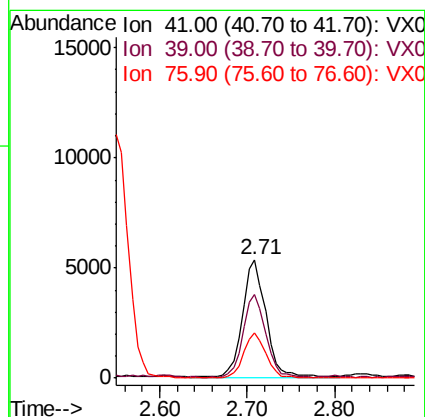
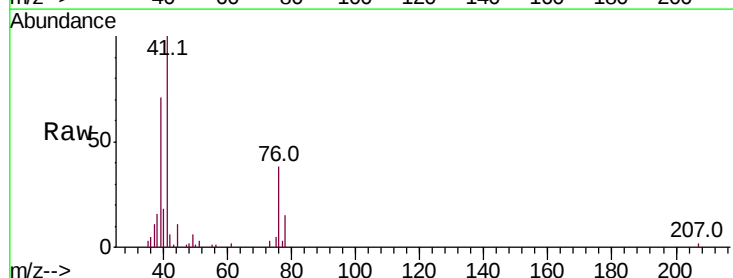
Tgt Ion: 41 Resp: 10386

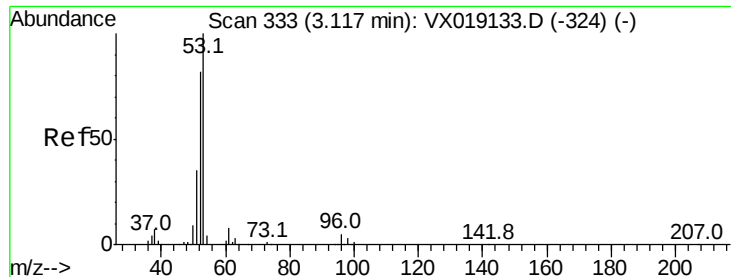
Ion Ratio Lower Upper

41 100

39 67.7 55.2 82.8

76 34.7 31.5 47.3





#15

Acrylonitrile

Concen: 12.405 ug/l

RT: 3.12 min Scan# 333

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

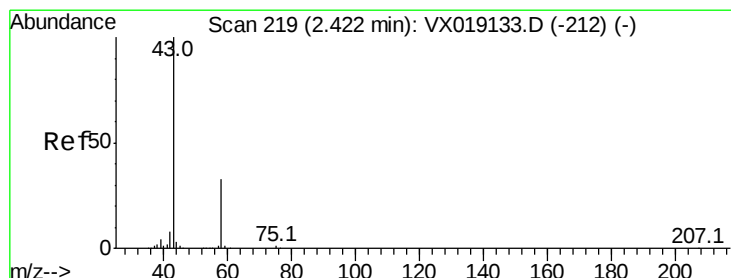
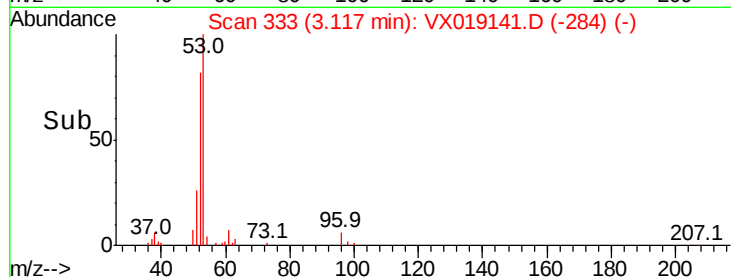
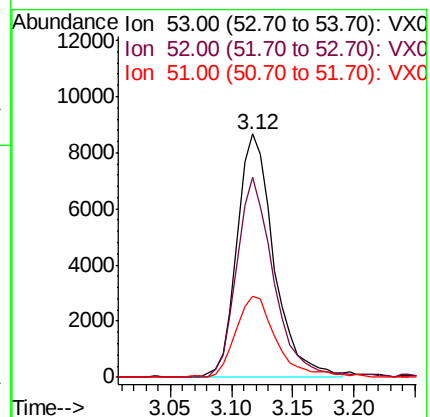
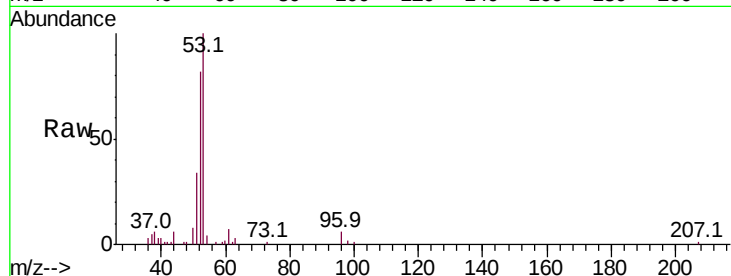
Tot Ion: 53 Resp: 18129

Ion Ratio Lower Upper

53 100

52 82.1 65.7 98.5

51 36.5 28.4 42.6



#16

Acetone

Concen: 12.580 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX019141.D

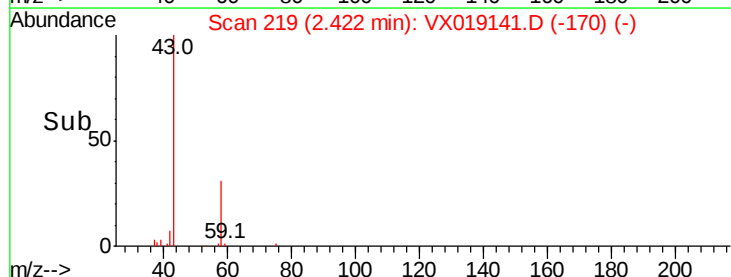
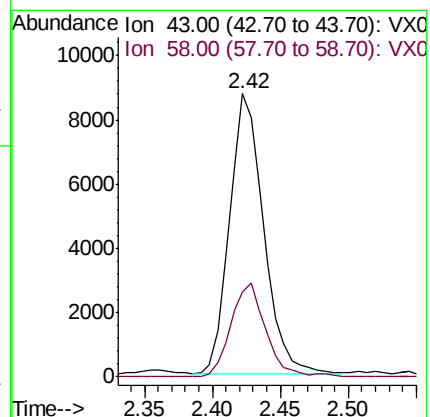
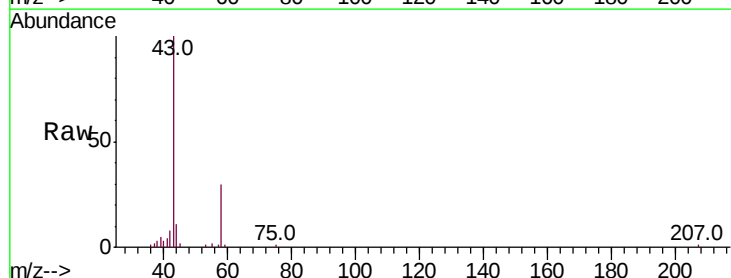
Acq: 27 Oct 2020 17:11

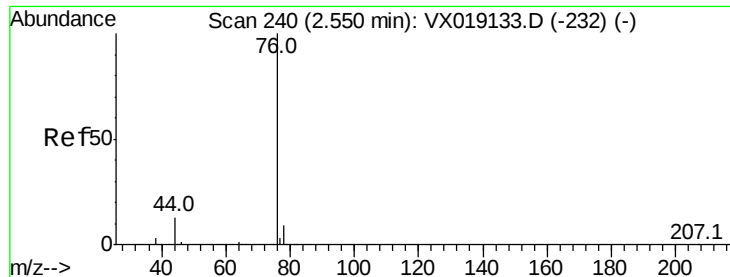
Tgt Ion: 43 Resp: 15281

Ion Ratio Lower Upper

43 100

58 30.4 26.3 39.5

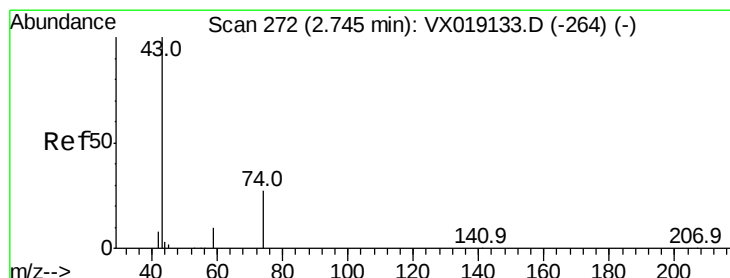
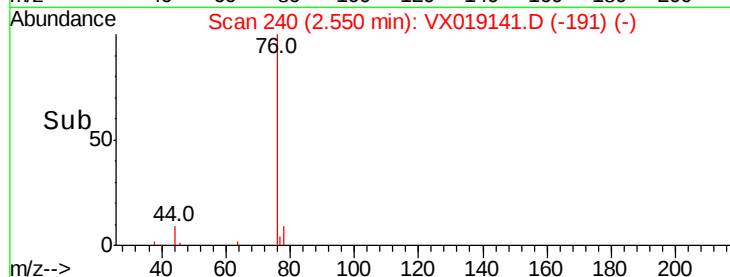
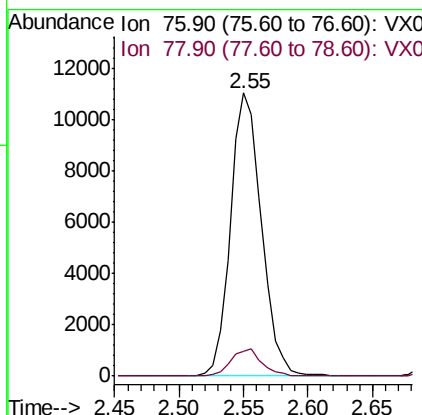
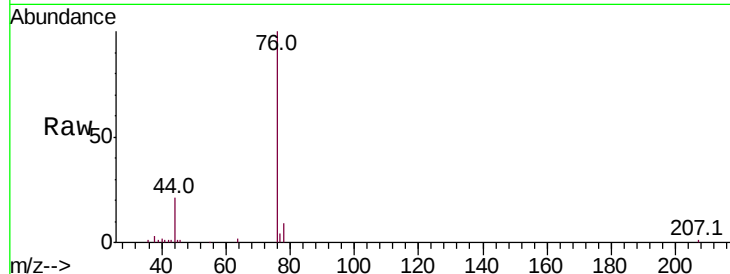




#17
Carbon Disulfide
Concen: 2.300 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

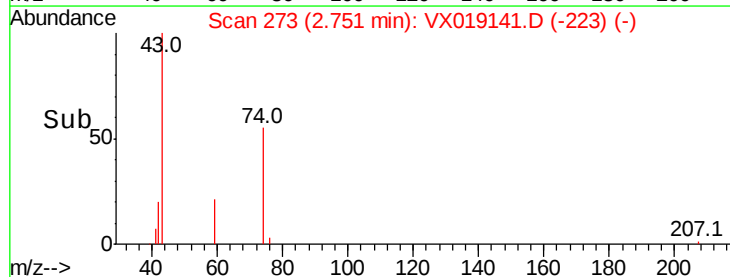
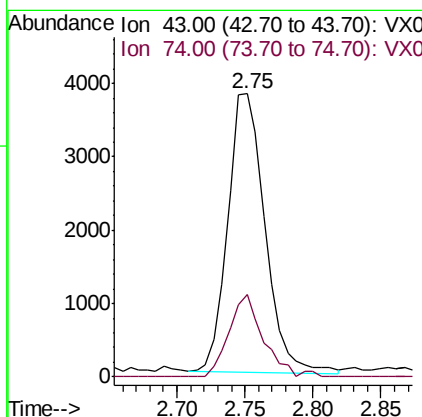
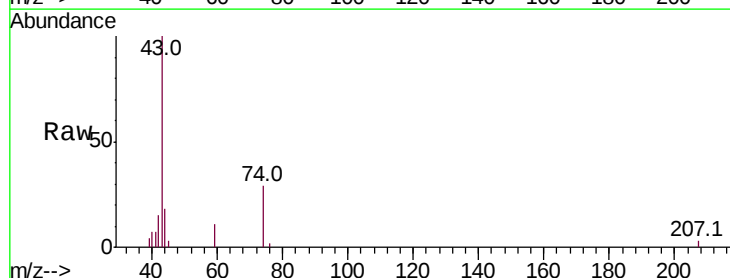
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

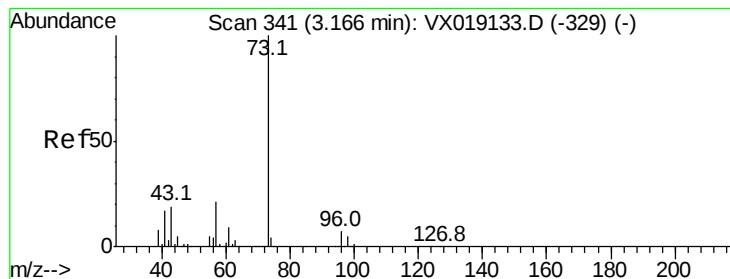
Tot Ion: 76 Resp: 18502
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#18
Methyl Acetate
Concen: 2.462 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 43 Resp: 7273
Ion Ratio Lower Upper
43 100
74 27.2 22.6 33.8



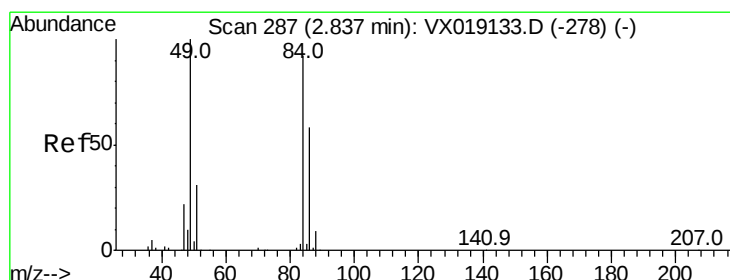
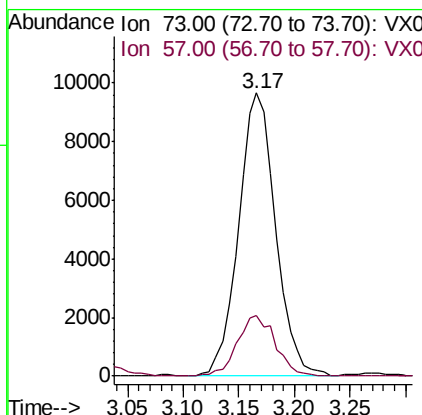
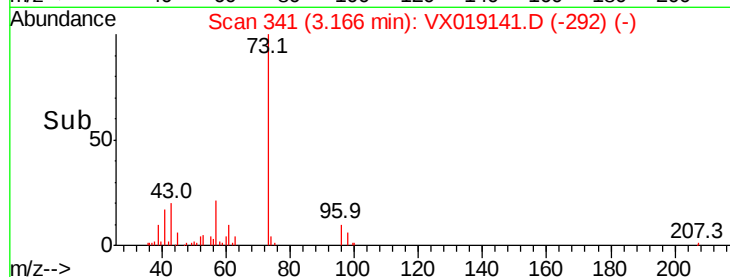
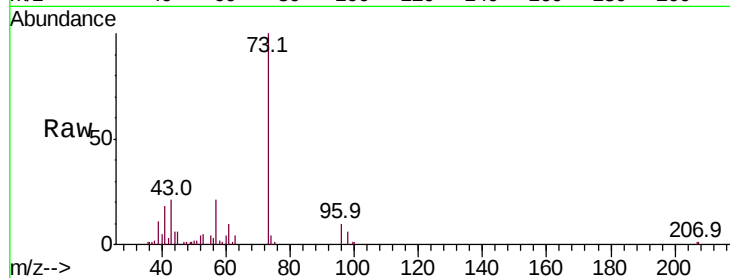


#19

Methyl tert-butyl Ether
 Concen: 2.430 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

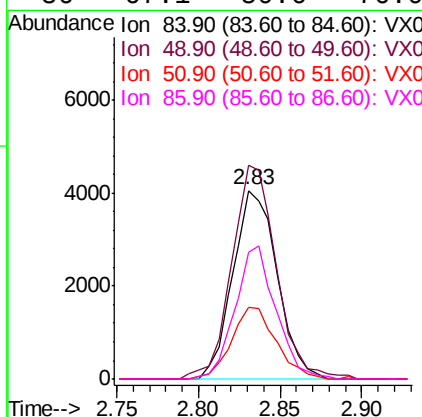
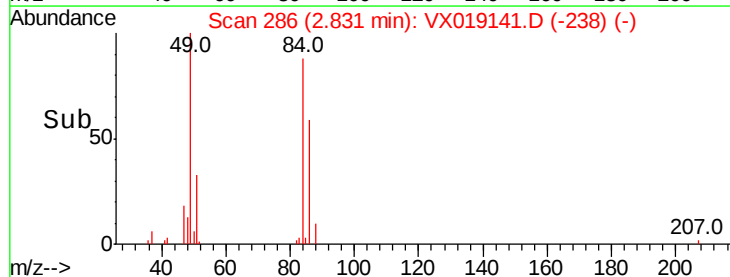
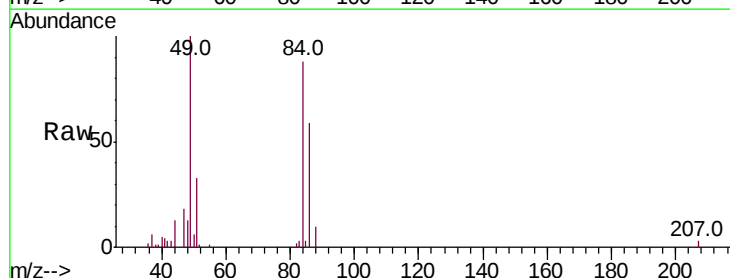
Tot Ion: 73 Resp: 22280
 Ion Ratio Lower Upper
 73 100
 57 21.2 16.6 25.0

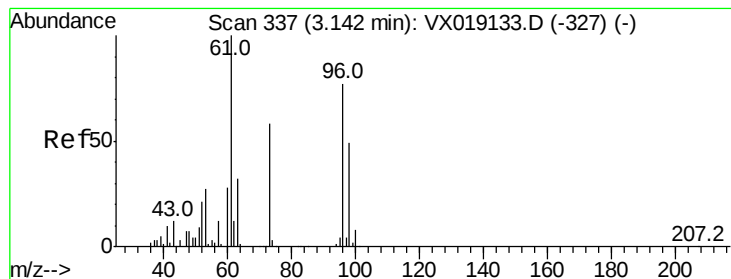


#20

Methylene Chloride
 Concen: 2.519 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 84 Resp: 7683
 Ion Ratio Lower Upper
 84 100
 49 111.7 86.8 130.2
 51 37.9 27.3 40.9
 86 67.1 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 2.588 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

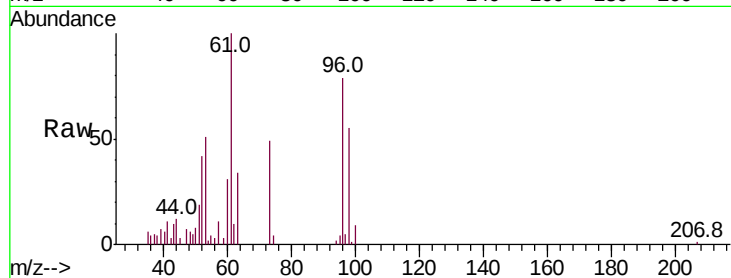
Tot Ion: 96 Resp: 7882

Ion Ratio Lower Upper

96 100

61 127.1 104.2 156.4

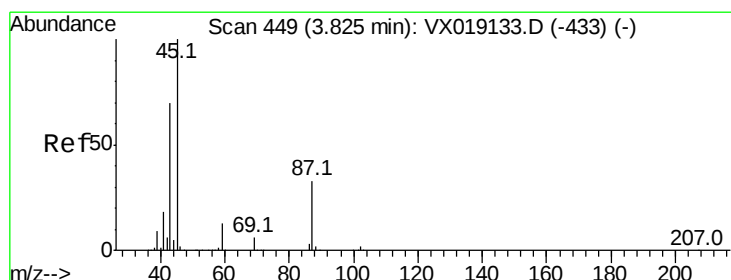
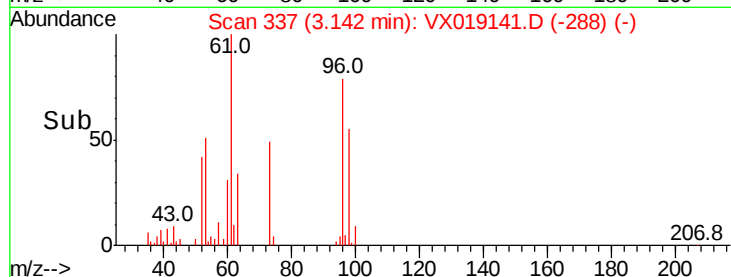
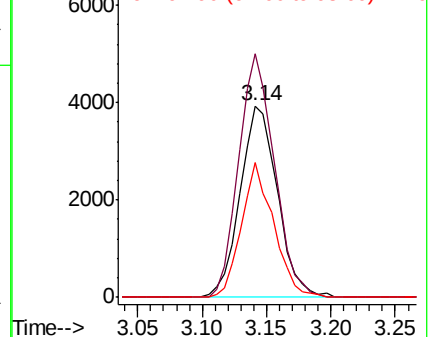
98 70.4 51.3 76.9



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 2.548 ug/l

RT: 3.82 min Scan# 448

Delta R.T. -0.01 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Tgt Ion: 45 Resp: 20357

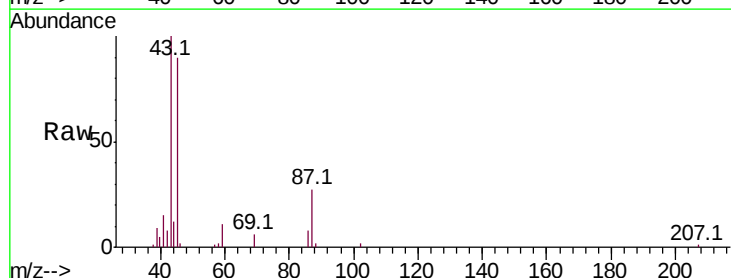
Ion Ratio Lower Upper

45 100

43 108.2 56.2 84.4#

87 29.7 26.2 39.2

59 11.8 10.1 15.1

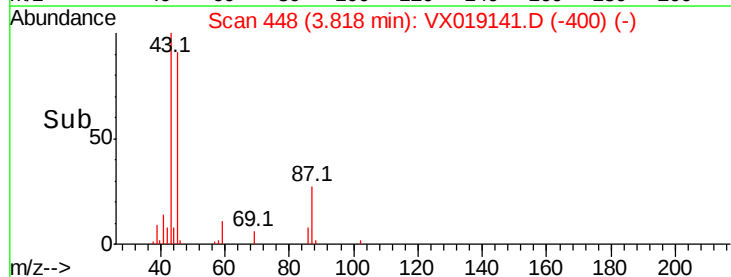
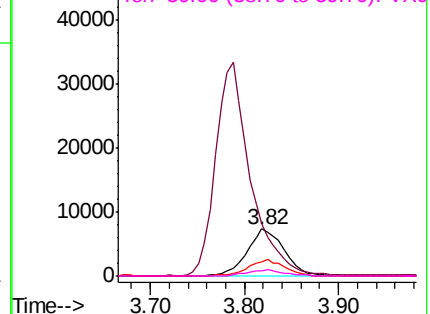


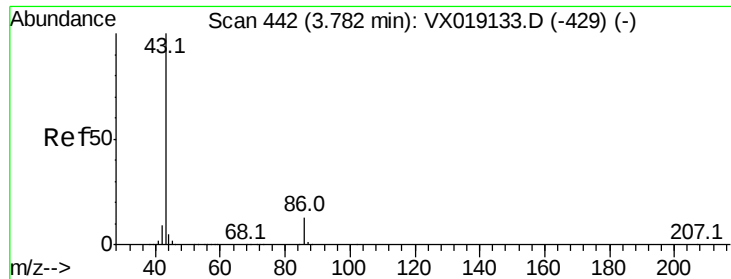
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 12.163 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.01 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

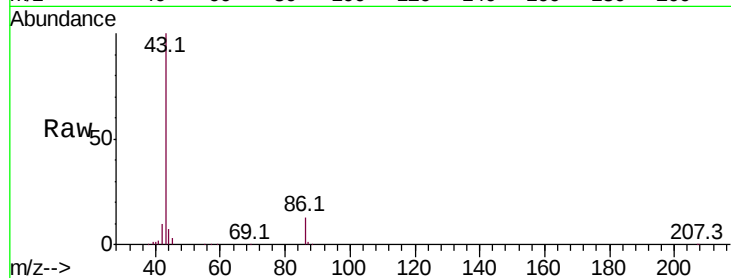
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 86672

Ion Ratio Lower Upper

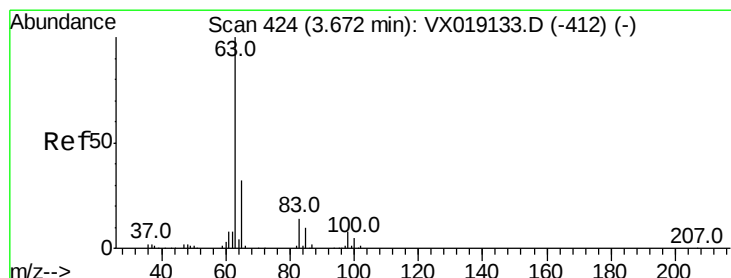
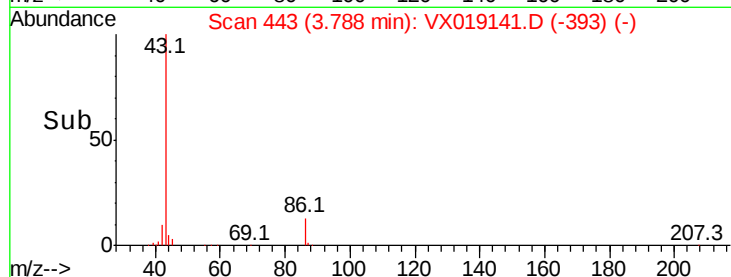
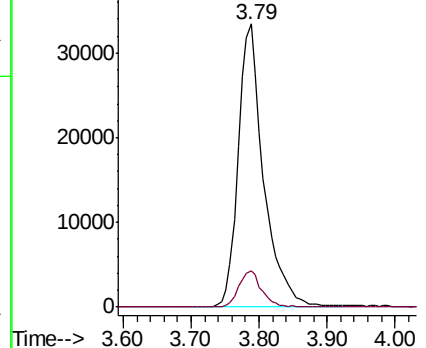
43 100

86 12.9 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 2.462 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

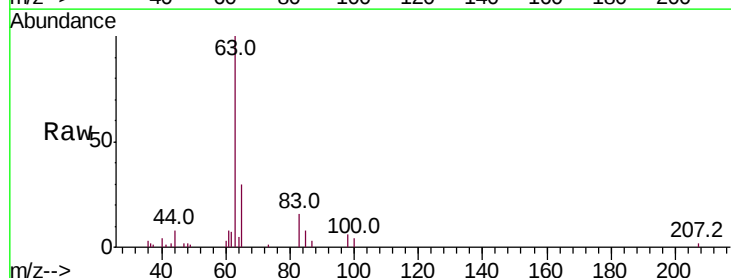
Tgt Ion: 63 Resp: 12284

Ion Ratio Lower Upper

63 100

98 6.5 3.8 11.4

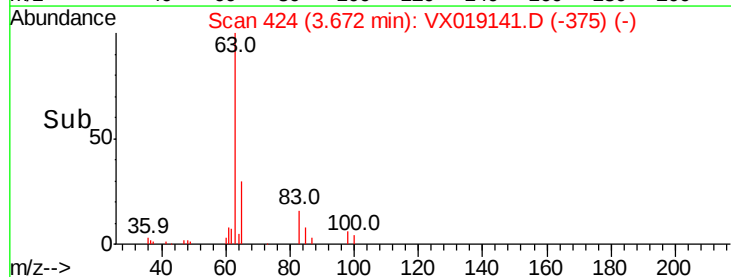
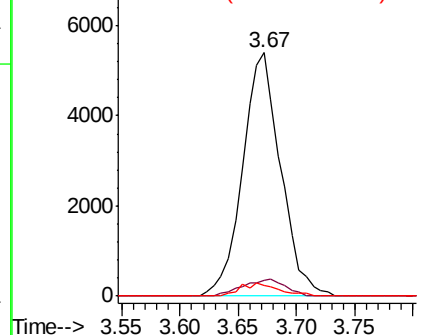
100 4.5 2.4 7.2

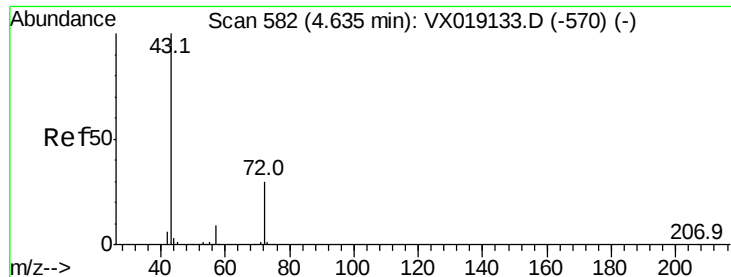


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

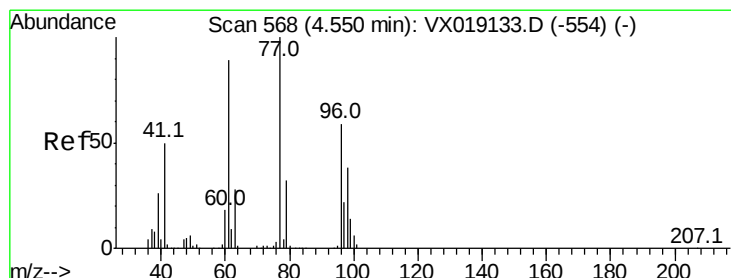
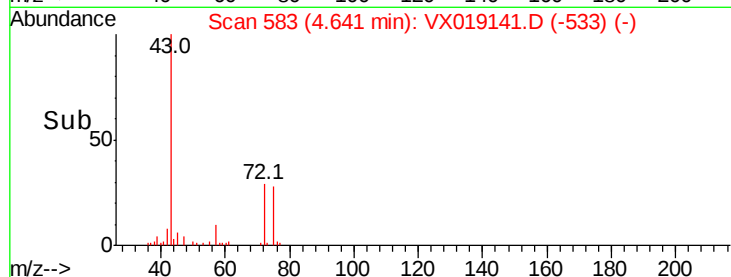
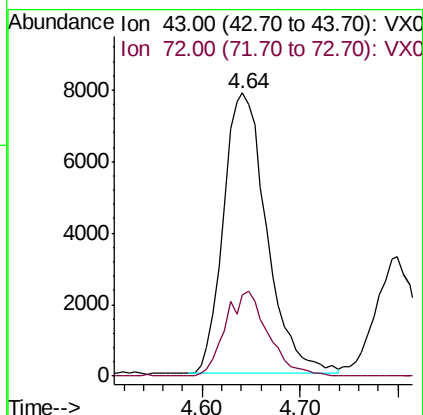
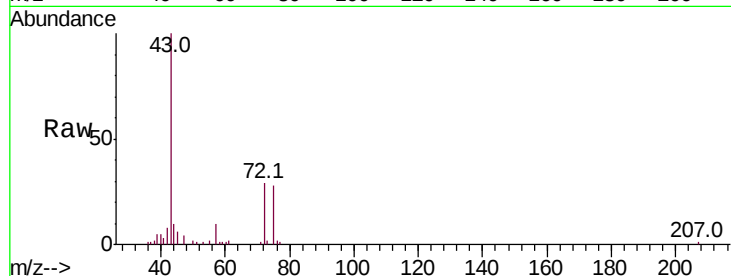




#25
2-Butanone
Concen: 12.559 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

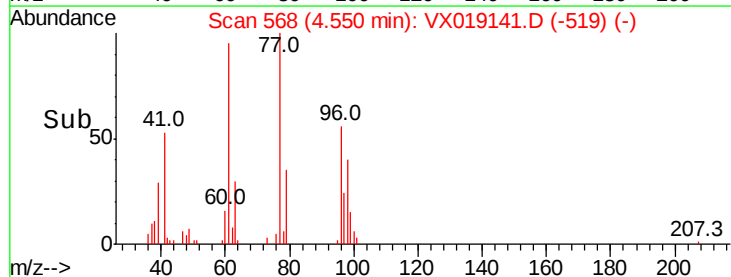
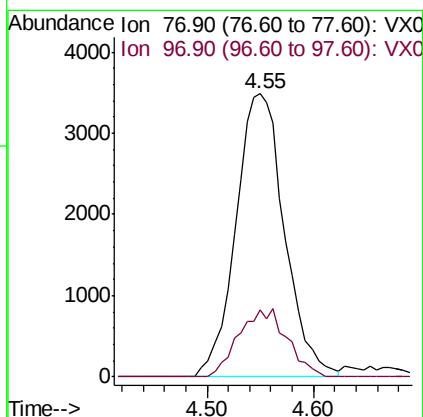
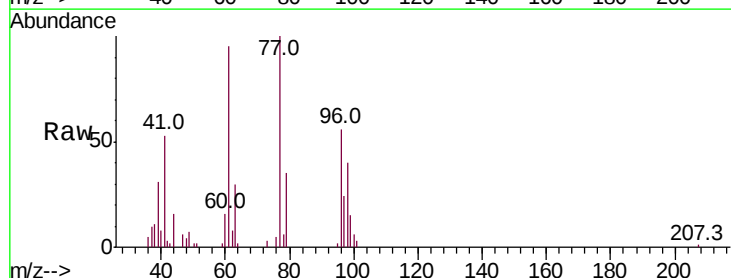
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

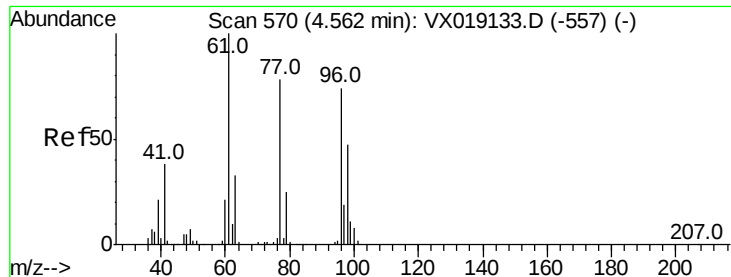
Tot Ion: 43 Resp: 24044
Ion Ratio Lower Upper
43 100
72 29.0 24.6 36.8



#26
2,2-Dichloropropane
Concen: 2.370 ug/l
RT: 4.55 min Scan# 568
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 77 Resp: 11114
Ion Ratio Lower Upper
77 100
97 23.9 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 2.417 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

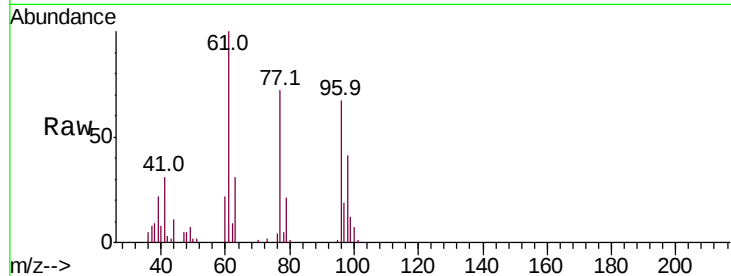
Tot Ion: 96 Resp: 8225

Ion Ratio Lower Upper

96 100

61 144.4 0.0 278.8

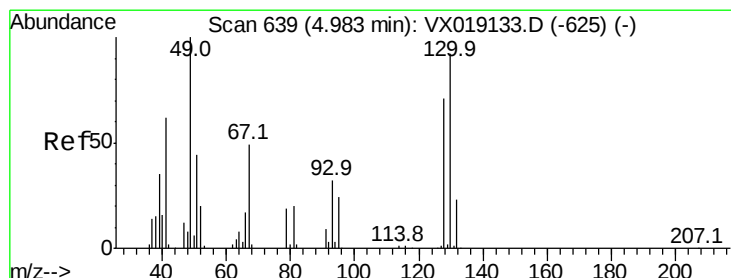
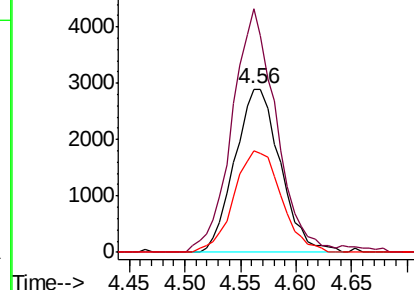
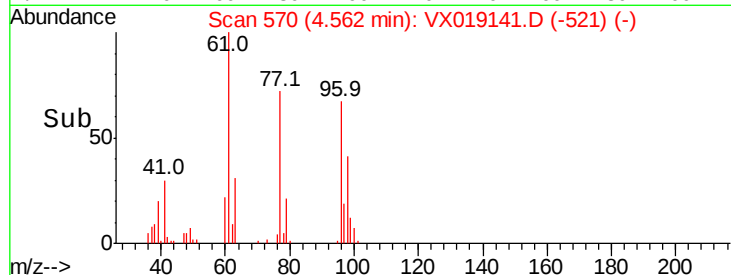
98 64.6 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane

Concen: 2.524 ug/l

RT: 4.99 min Scan# 640

Delta R.T. 0.01 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

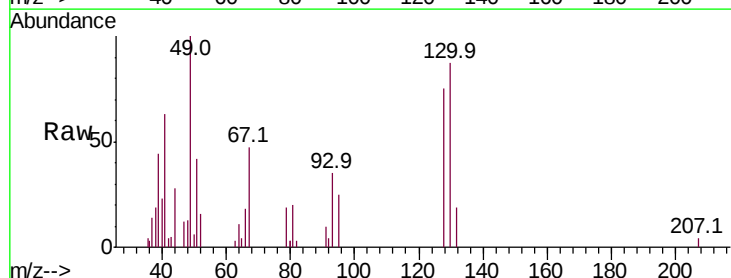
Tgt Ion: 49 Resp: 5724

Ion Ratio Lower Upper

49 100

129 0.8 0.0 4.4

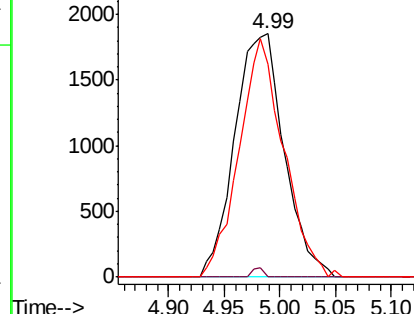
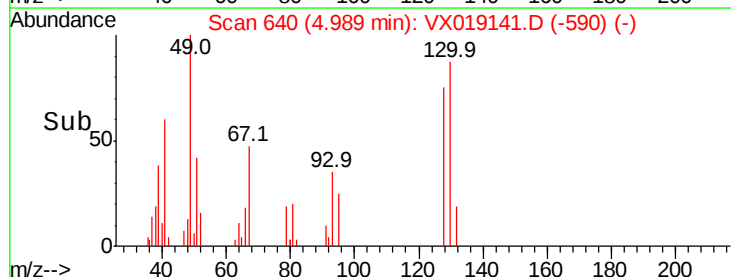
130 88.2 71.3 106.9

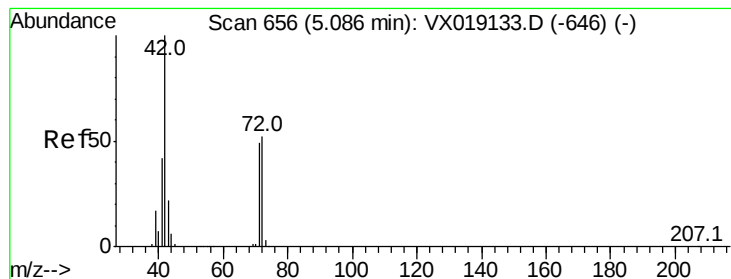


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 13.081 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

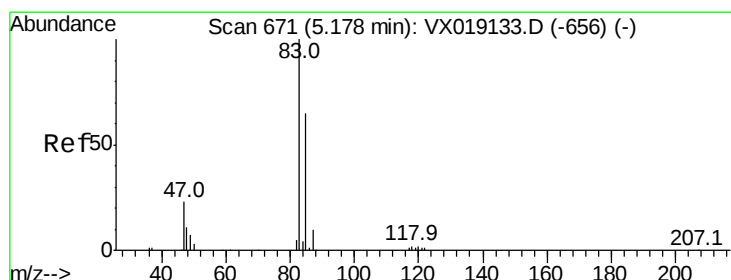
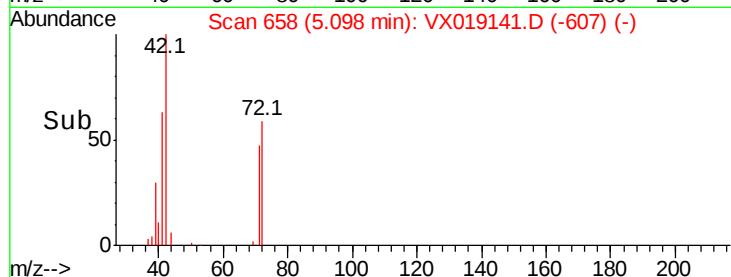
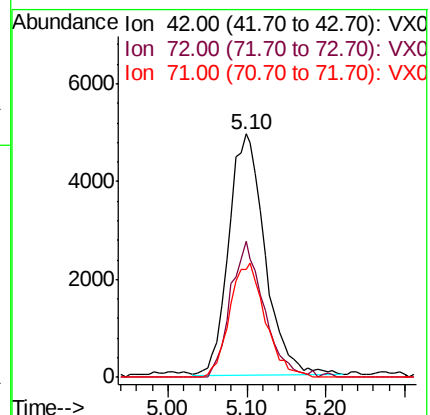
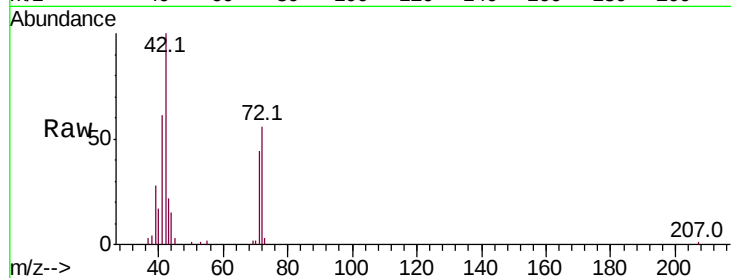
Tot Ion: 42 Resp: 15782

Ion Ratio Lower Upper

42 100

72 52.3 42.6 63.8

71 46.5 39.7 59.5



#30

Chloroform

Concen: 2.486 ug/l

RT: 5.17 min Scan# 670

Delta R.T. -0.01 min

Lab File: VX019141.D

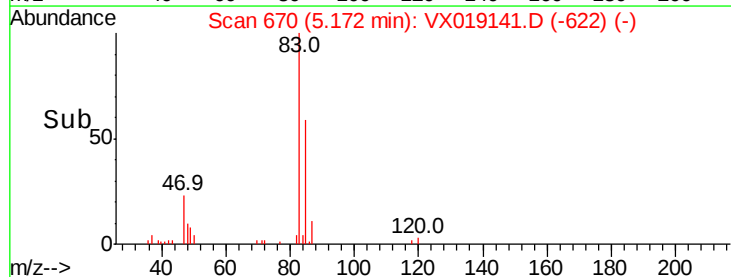
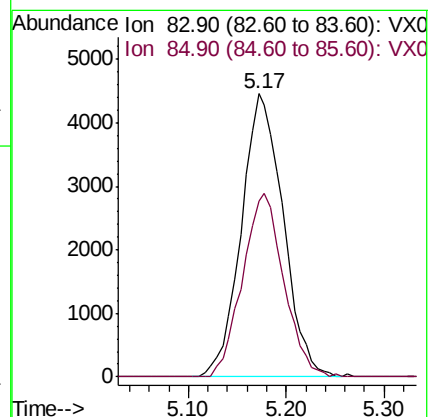
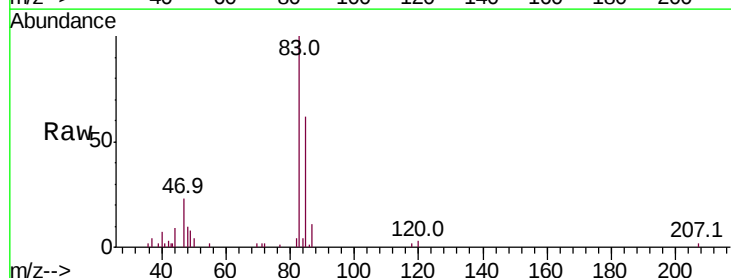
Acq: 27 Oct 2020 17:11

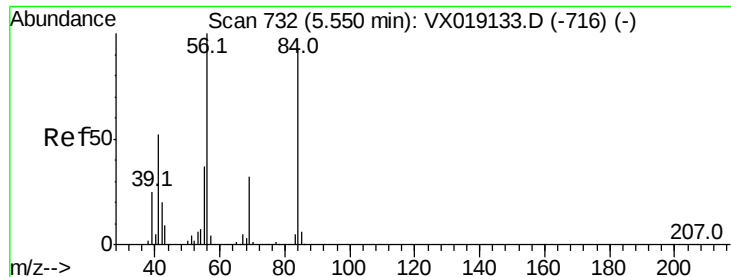
Tgt Ion: 83 Resp: 13202

Ion Ratio Lower Upper

83 100

85 62.0 51.9 77.9

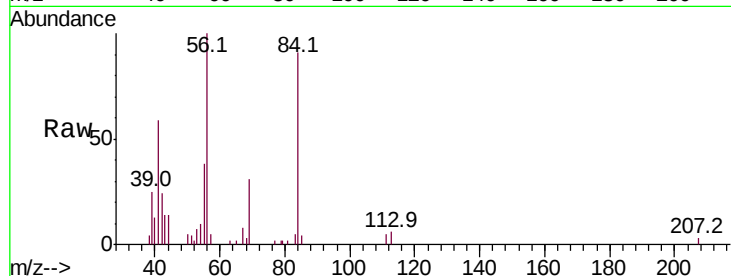




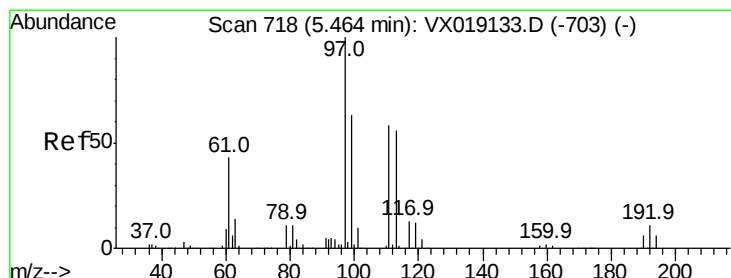
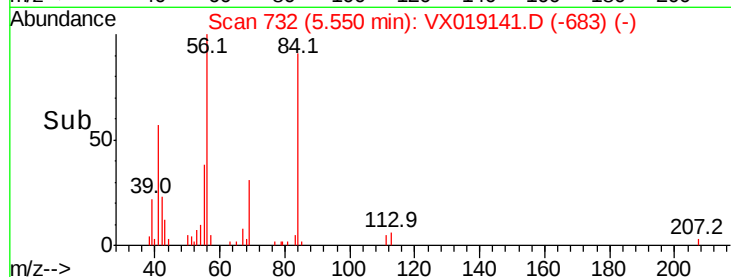
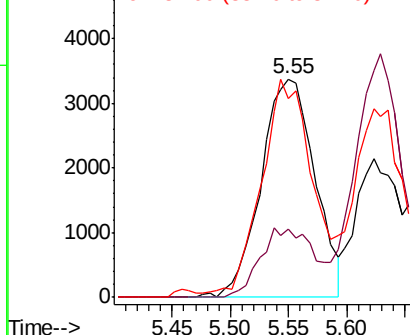
#31
Cyclohexane
Concen: 2.422 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 56 Resp: 10779
Ion Ratio Lower Upper
56 100
69 31.5 25.9 38.9
84 87.9 73.4 110.2

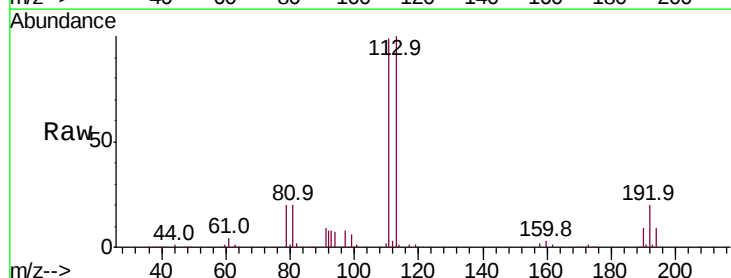


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

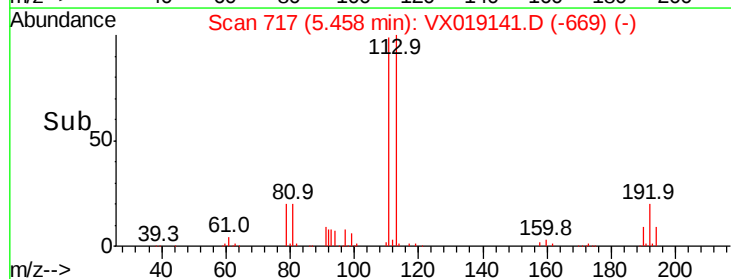
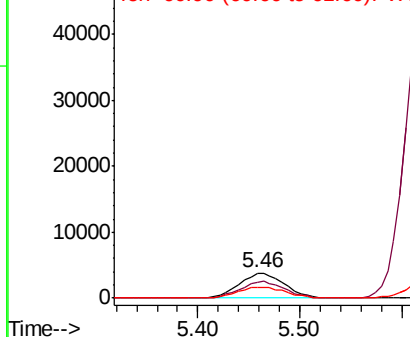


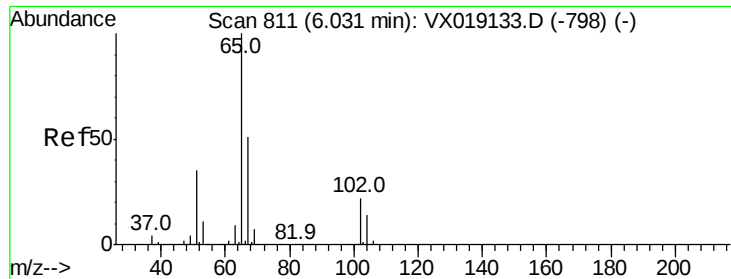
#32
1,1,1-Trichloroethane
Concen: 2.393 ug/l
RT: 5.46 min Scan# 717
Delta R.T. -0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 97 Resp: 11523
Ion Ratio Lower Upper
97 100
99 67.3 51.7 77.5
61 46.5 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

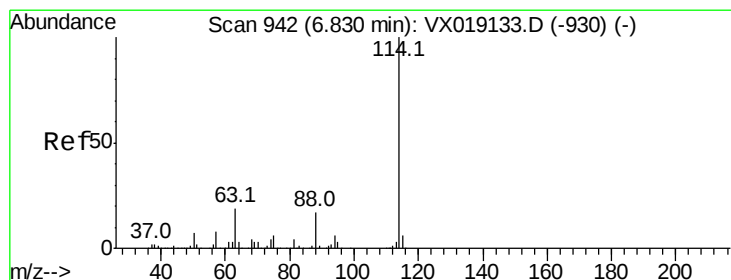
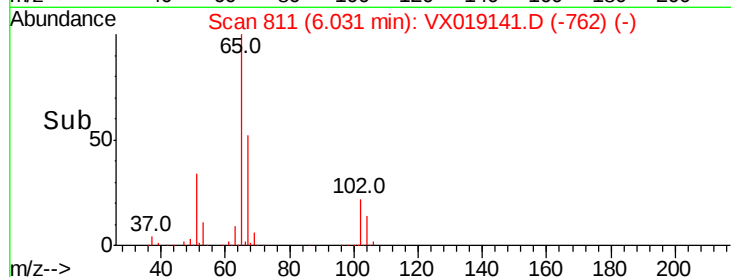
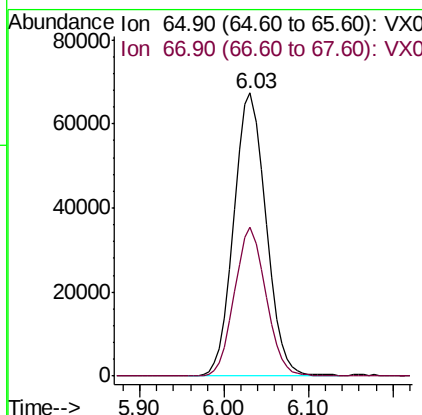
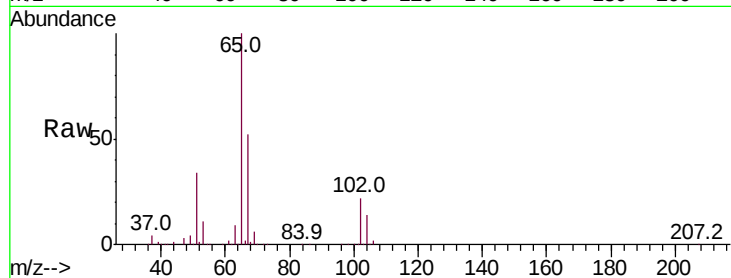




#33
 1,2-Dichloroethane-d4
 Concen: 49.572 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

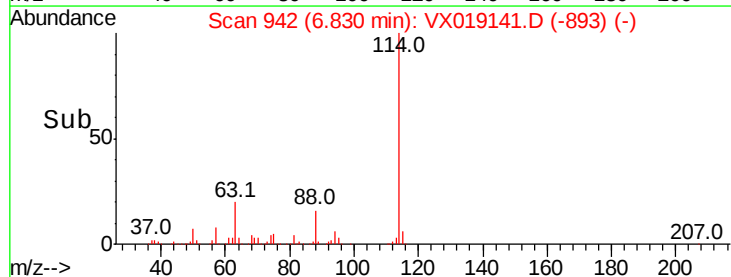
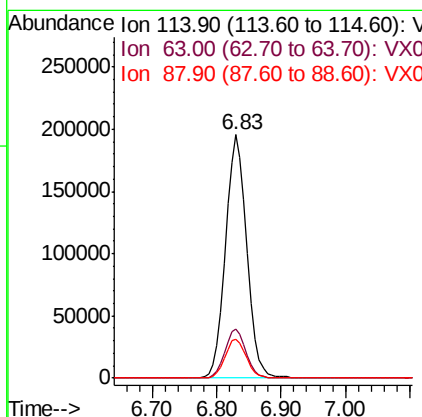
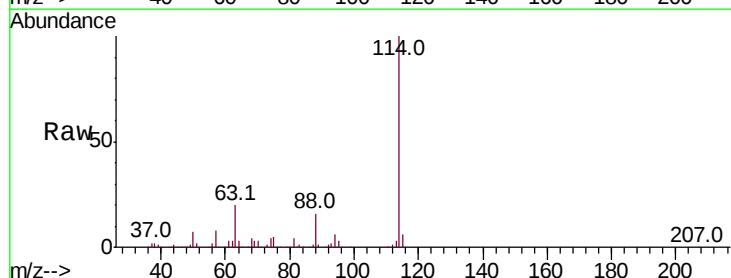
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

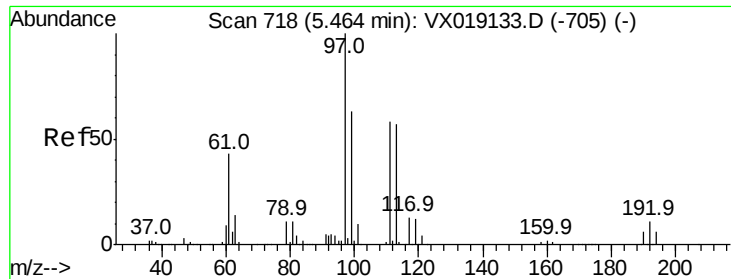
Tot Ion: 65 Resp: 174551
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 114 Resp: 456269
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 38.8
 88 15.9 0.0 34.2

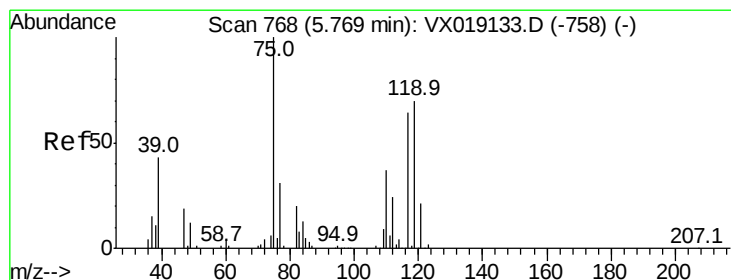
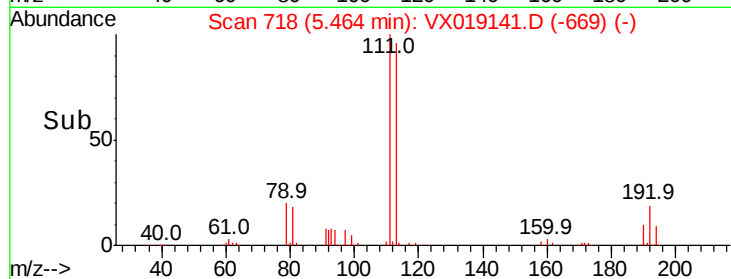
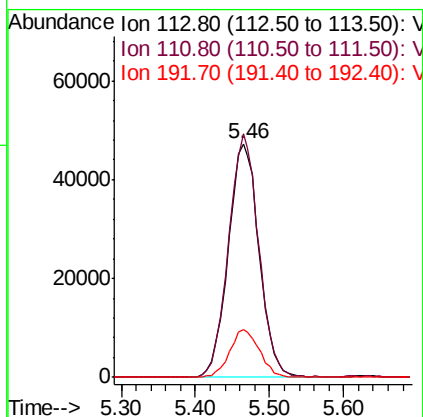
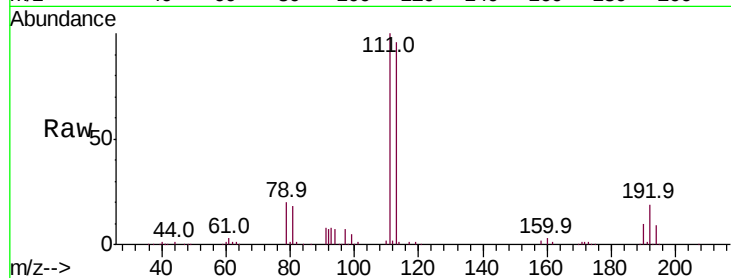




#35
 Dibromofluoromethane
 Concen: 47.830 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

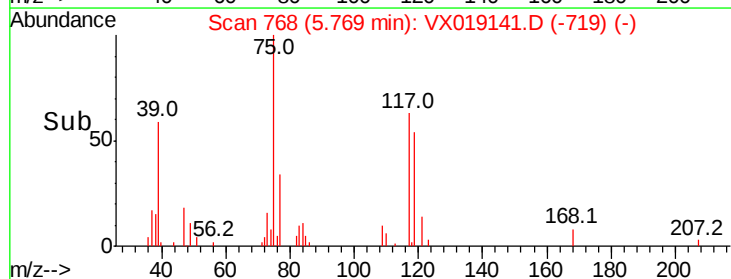
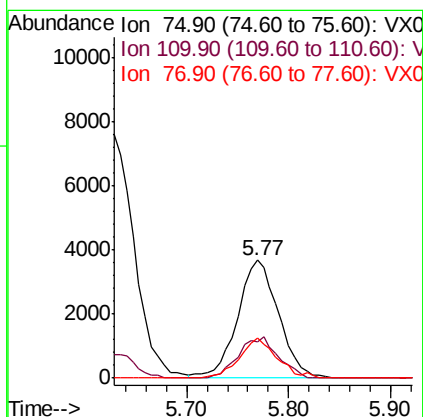
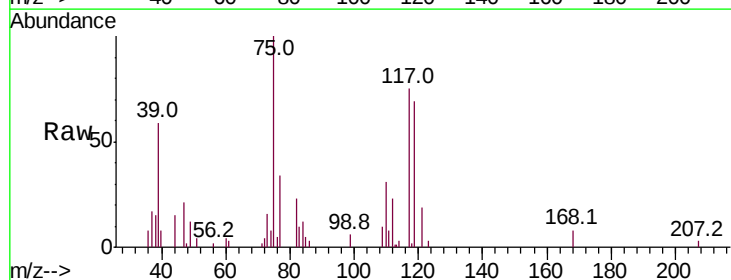
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

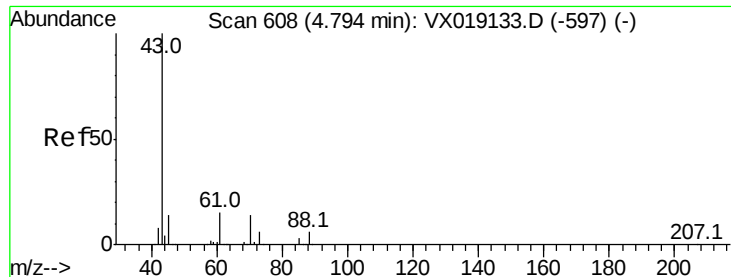
Tot Ion:113 Resp: 137081
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 19.8 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 2.436 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 75 Resp: 10264
 Ion Ratio Lower Upper
 75 100
 110 33.5 18.3 54.9
 77 31.2 24.9 37.3

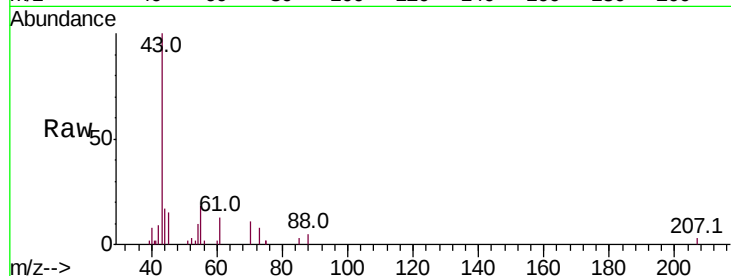




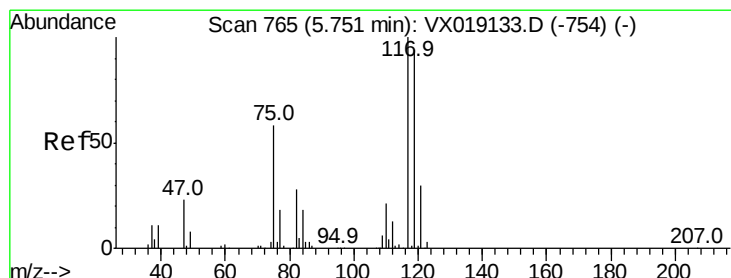
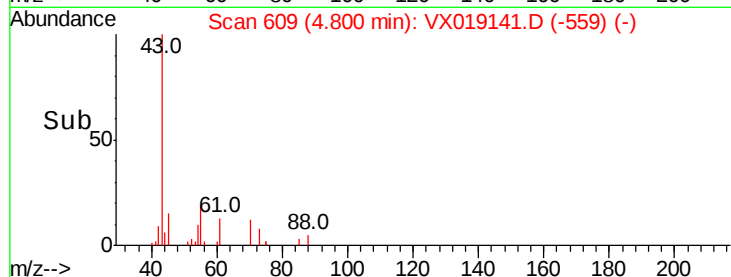
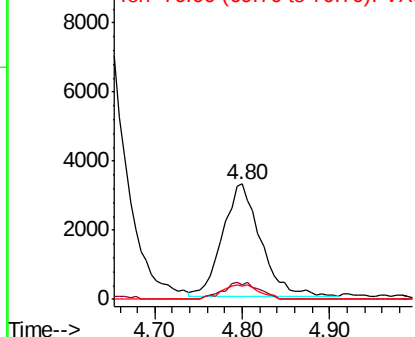
#37
Ethyl Acetate
Concen: 2.520 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 9859
Ion Ratio Lower Upper
43 100
61 14.7 12.5 18.7
70 12.9 10.5 15.7

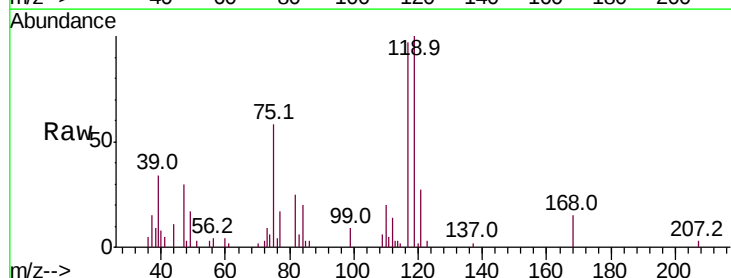


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

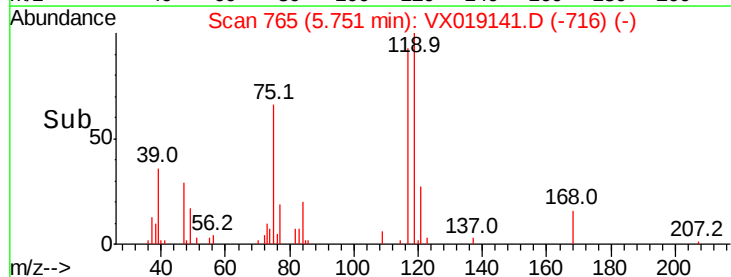
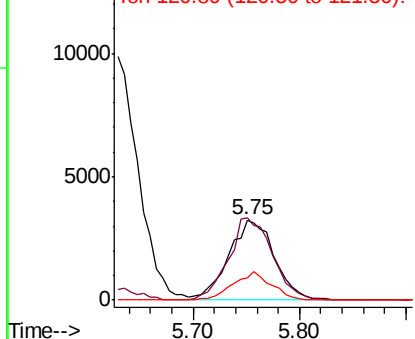


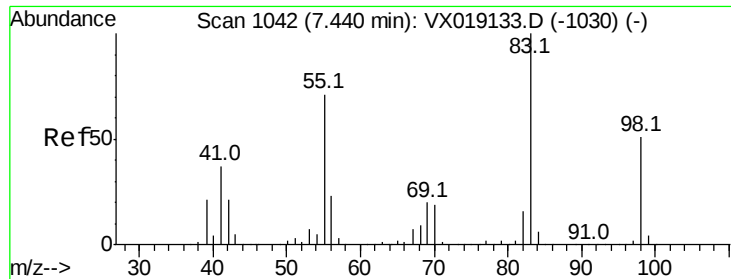
#38
Carbon Tetrachloride
Concen: 2.281 ug/l
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 117 Resp: 9795
Ion Ratio Lower Upper
117 100
119 103.1 75.0 112.6
121 28.2 23.9 35.9



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

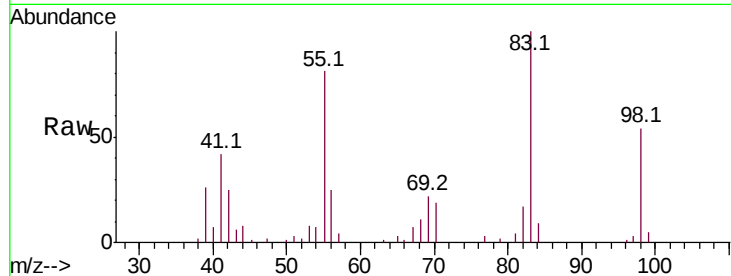




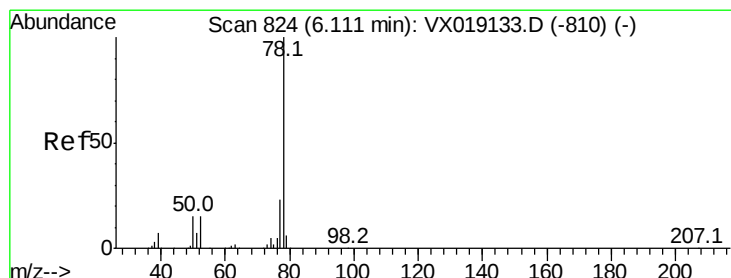
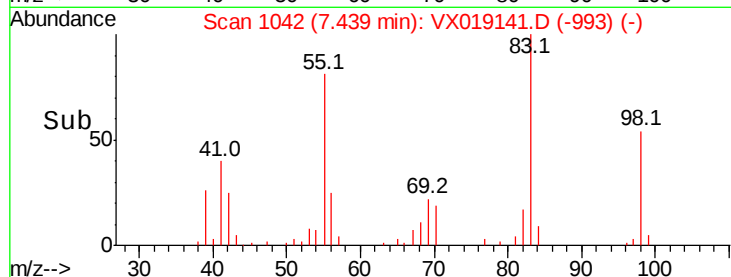
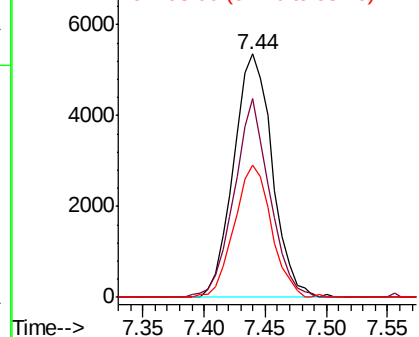
#39
Methvlcvclohexane
Concen: 2.325 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion: 83 Resp: 11713
Ion Ratio Lower Upper
83 100
55 81.4 57.0 85.6
98 54.1 40.5 60.7

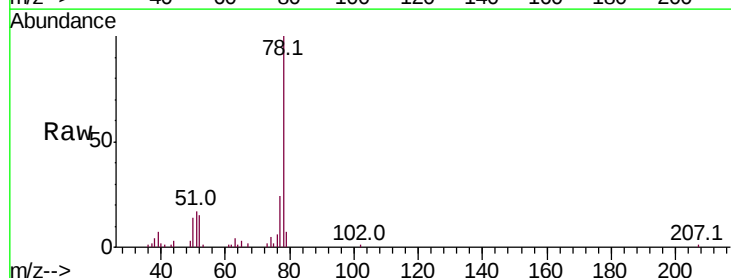


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

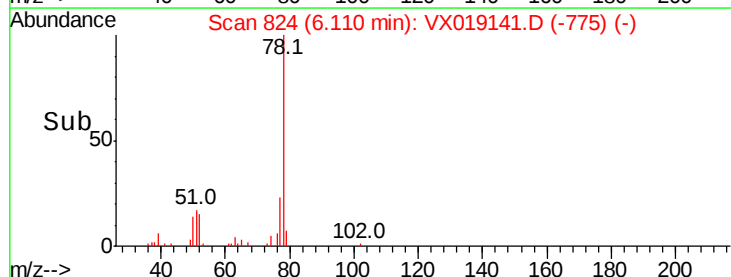
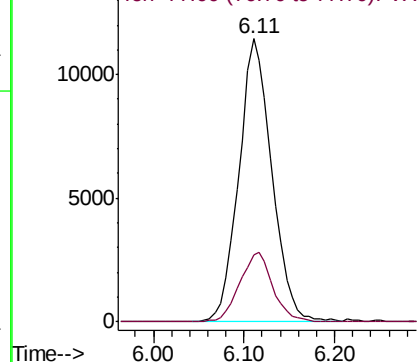


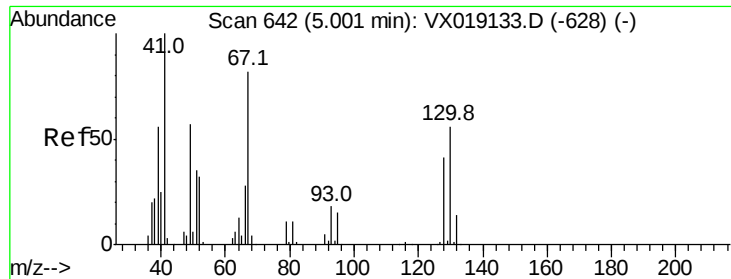
#40
Benzene
Concen: 2.420 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 78 Resp: 28906
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

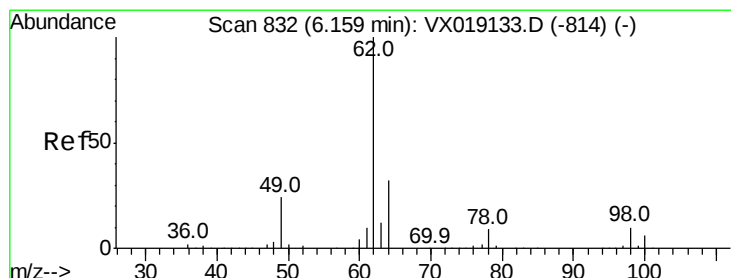
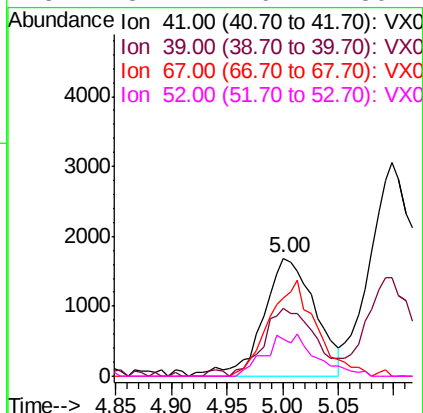
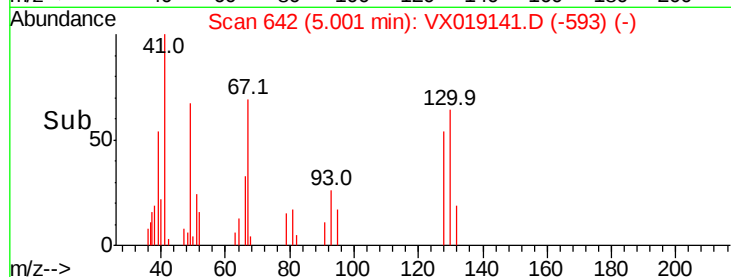
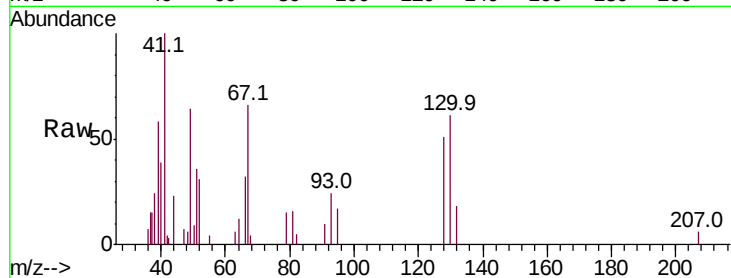




#41
Methacrylonitrile
Concen: 2.603 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

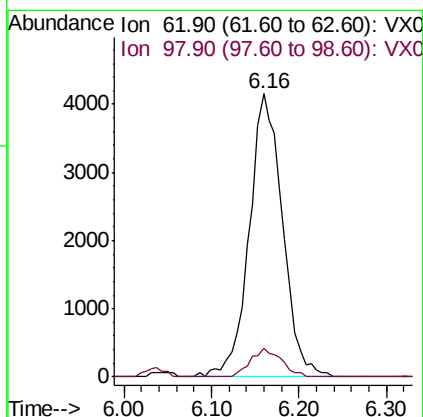
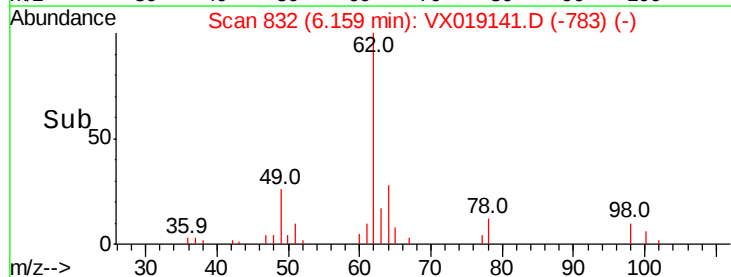
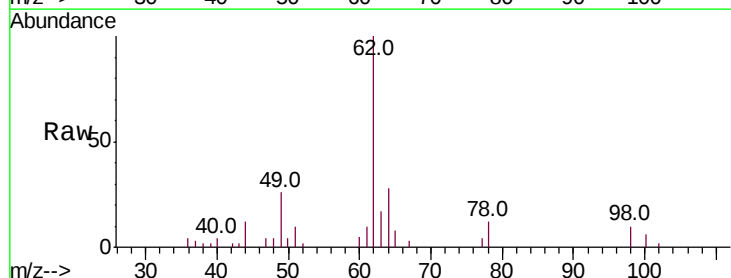
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

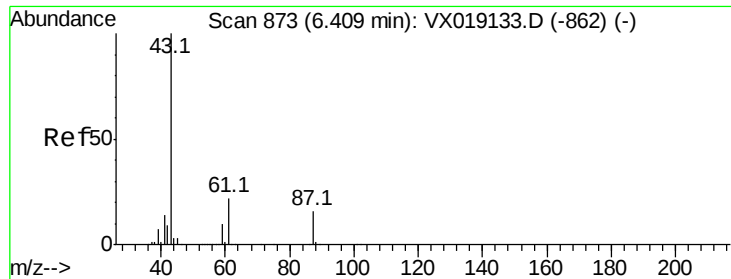
Tot Ion: 41 Resp: 5483
Ion Ratio Lower Upper
41 100
39 58.1 44.4 66.6
67 73.9 66.4 99.6
52 34.2 26.2 39.4



#42
1,2-Dichloroethane
Concen: 2.494 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 62 Resp: 10979
Ion Ratio Lower Upper
62 100
98 9.3 0.0 19.0





#43

Isopropyl Acetate

Concen: 2.458 ug/l

RT: 6.41 min Scan# 873

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

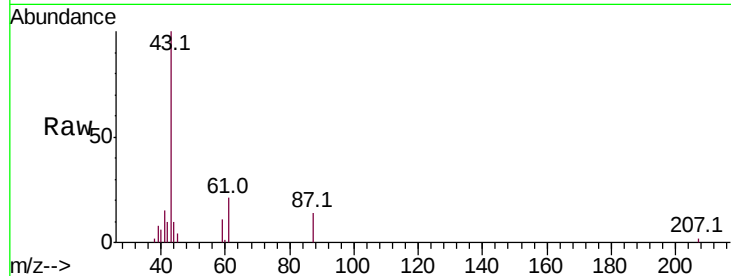
Tot Ion: 43 Resp: 16100

Ion Ratio Lower Upper

43 100

61 21.0 17.8 26.6

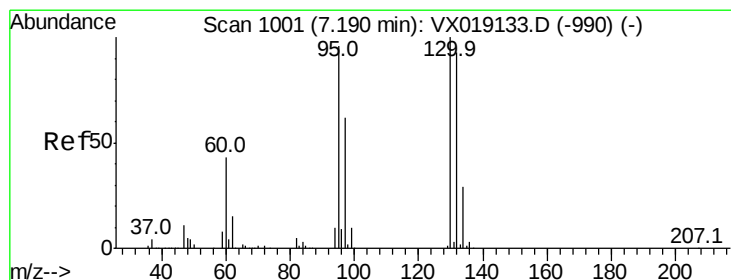
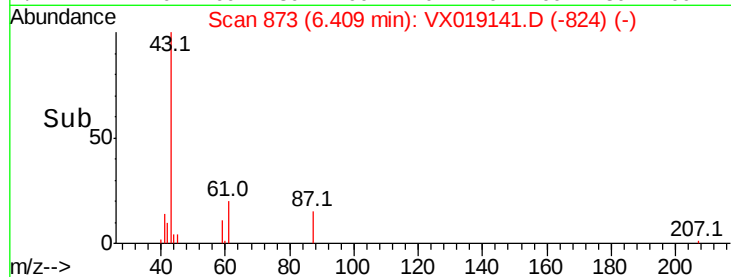
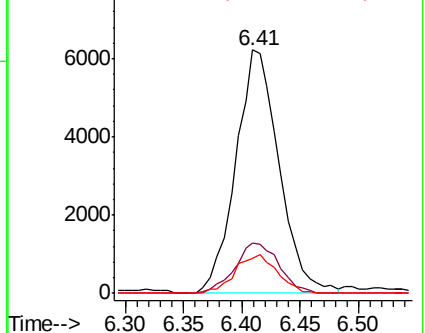
87 15.2 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 2.356 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX019141.D

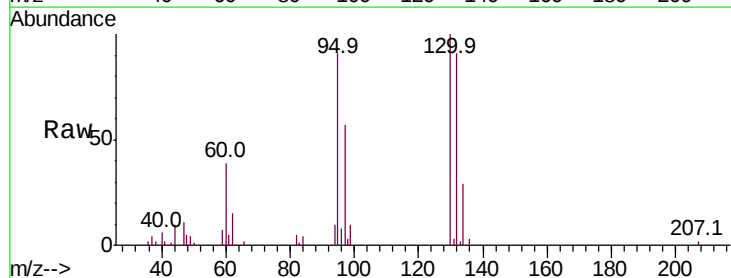
Acq: 27 Oct 2020 17:11

Tgt Ion:130 Resp: 8062

Ion Ratio Lower Upper

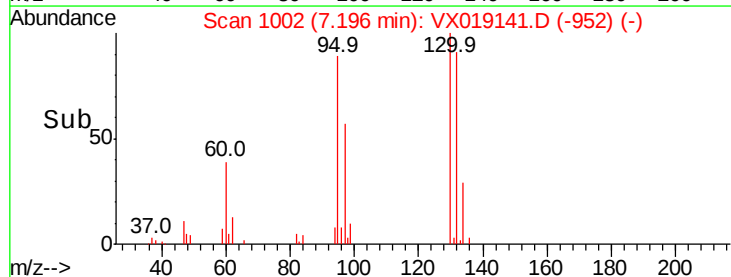
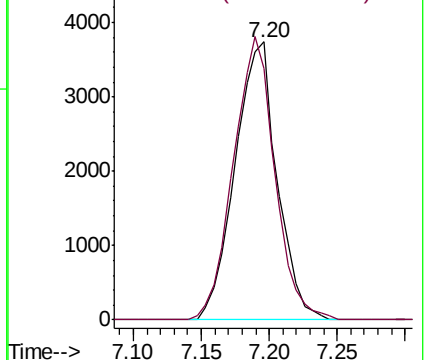
130 100

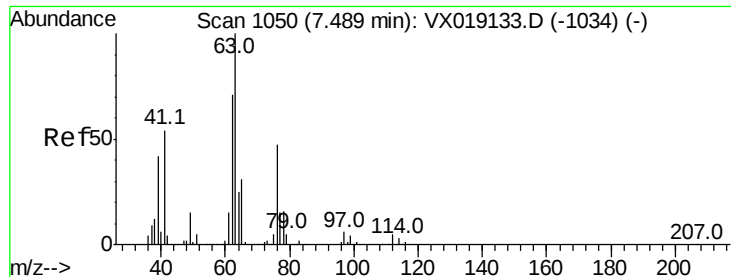
95 90.5 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 2.392 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

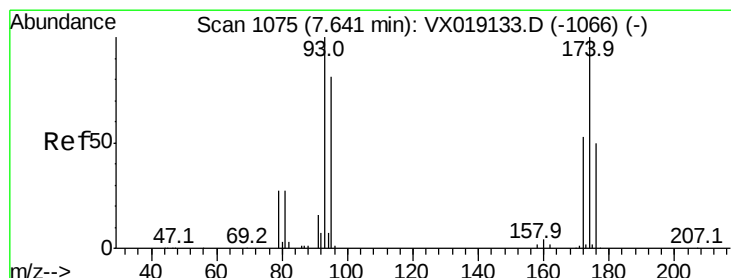
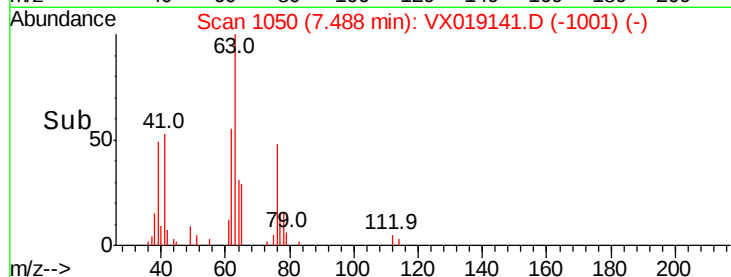
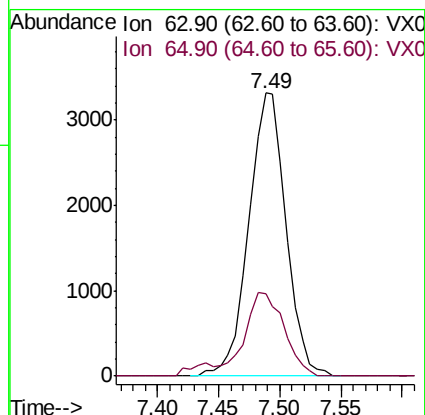
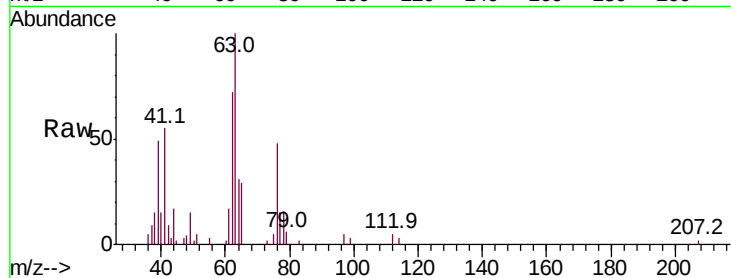
MDL-WATER-03-QT4-2020

Tot Ion: 63 Resp: 6999

Ion Ratio Lower Upper

63 100

65 29.0 25.2 37.8



#46

Dibromomethane

Concen: 2.457 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

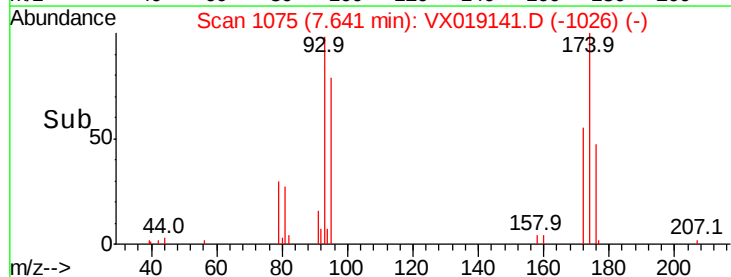
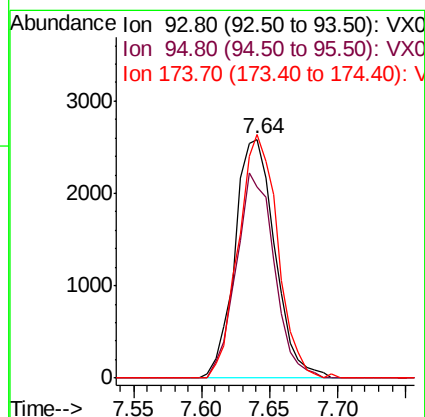
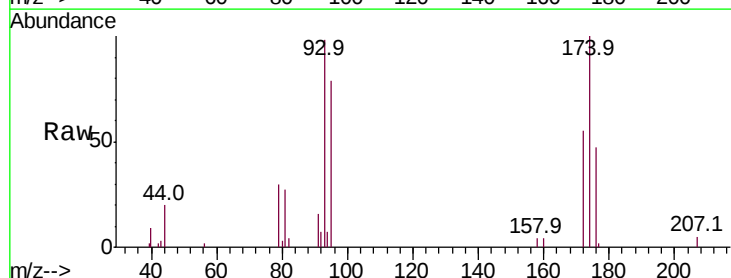
Tgt Ion: 93 Resp: 5317

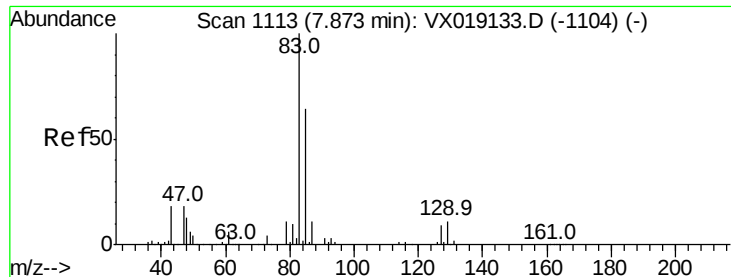
Ion Ratio Lower Upper

93 100

95 81.7 67.0 100.6

174 100.0 81.7 122.5





#47

Bromodichloromethane

Concen: 2.332 ug/l

RT: 7.87 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

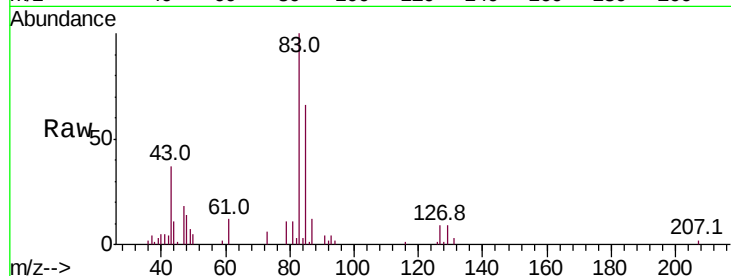
Tot Ion: 83 Resp: 9946

Ion Ratio Lower Upper

83 100

85 66.0 51.2 76.8

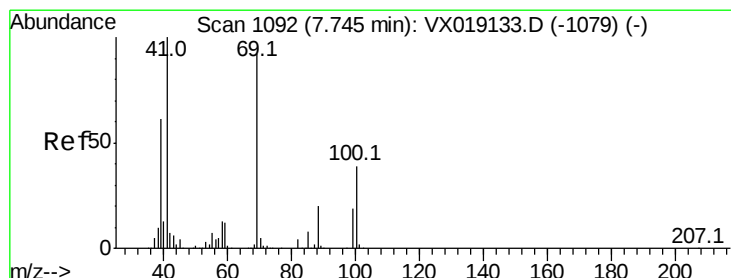
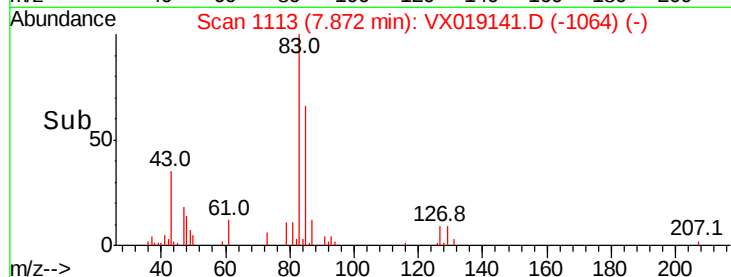
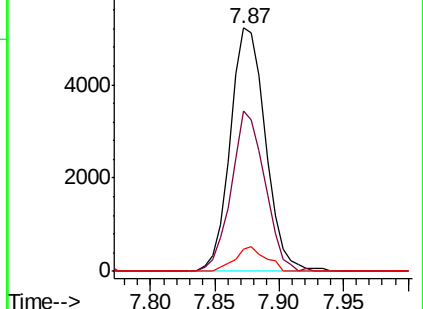
127 9.0 7.1 10.7



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.417 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

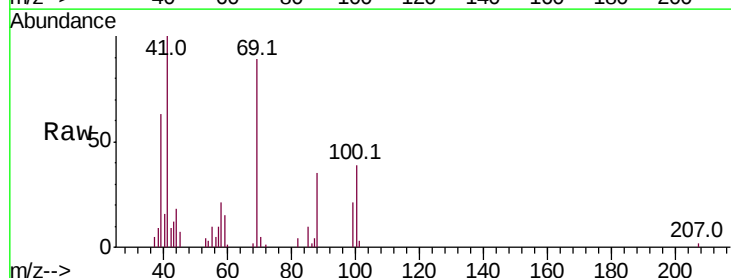
Tgt Ion: 41 Resp: 7620

Ion Ratio Lower Upper

41 100

69 87.8 75.5 113.3

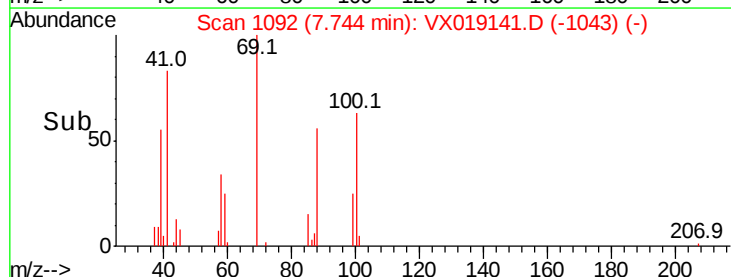
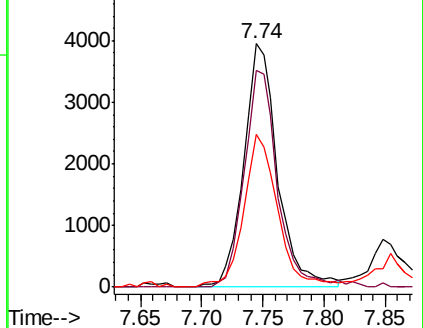
39 62.8 48.9 73.3

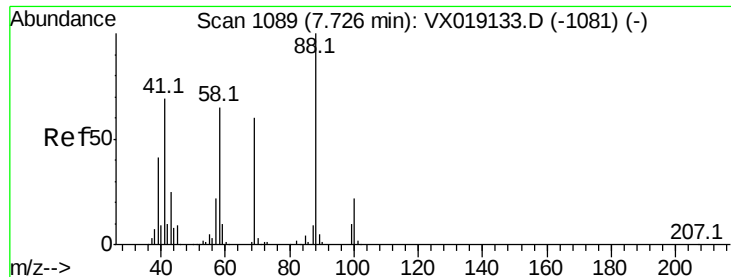


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

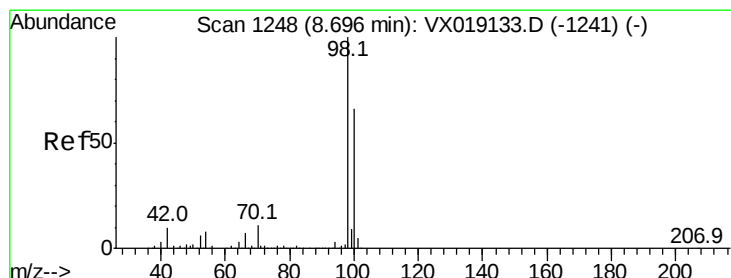
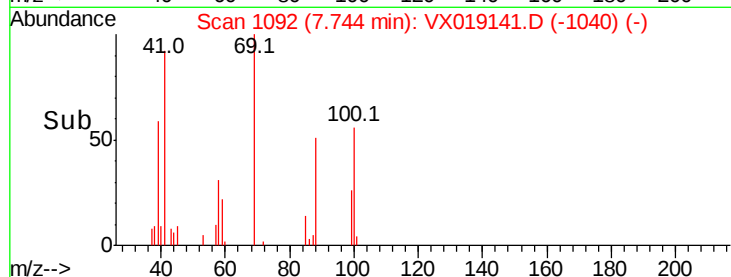
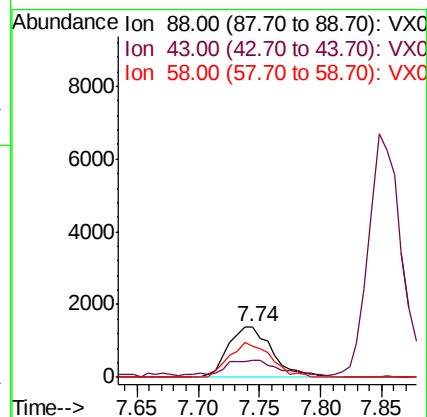
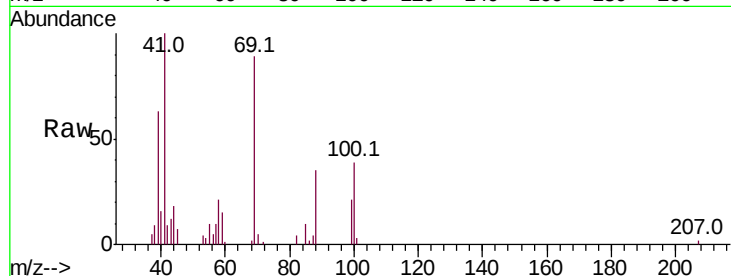




#49
1,4-Dioxane
Concen: 49.977 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.02 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

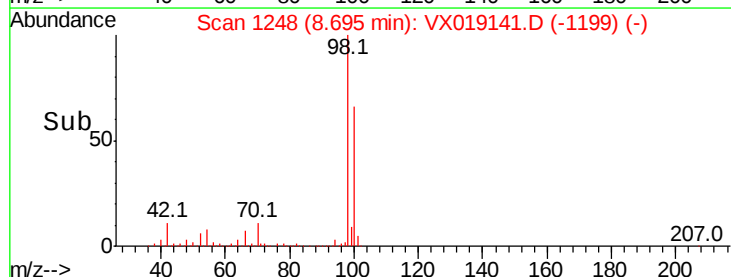
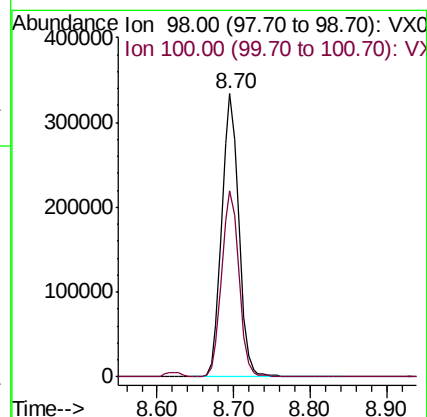
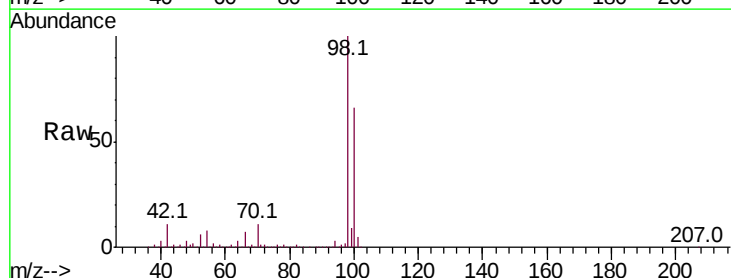
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

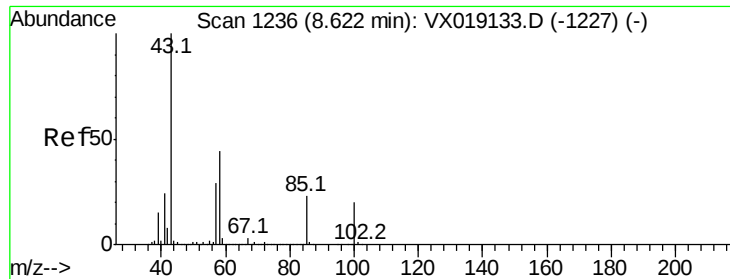
Tot Ion: 88 Resp: 3504
Ion Ratio Lower Upper
88 100
43 32.2 23.0 34.6
58 64.4 52.2 78.2



#50
Toluene-d8
Concen: 47.884 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 98 Resp: 517324
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 12.190 ug/l

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

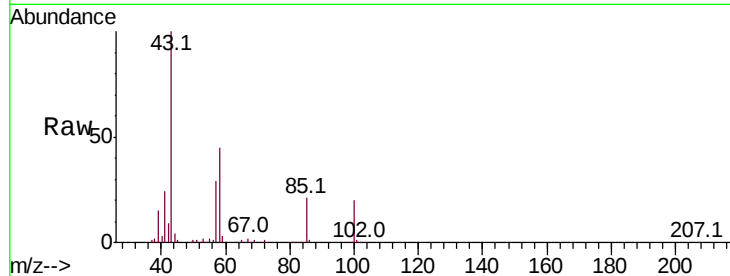
MDL-WATER-03-QT4-2020

Tot Ion: 43 Resp: 45891

Ion Ratio Lower Upper

43 100

58 43.3 35.0 52.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

30000

25000

20000

15000

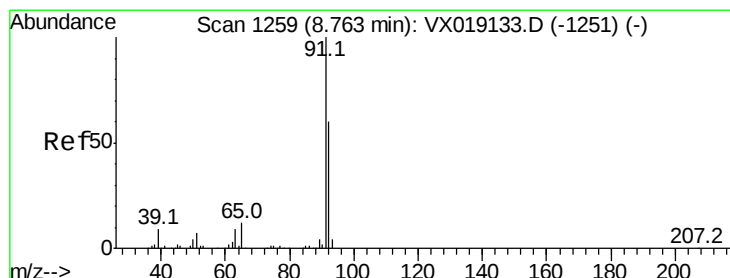
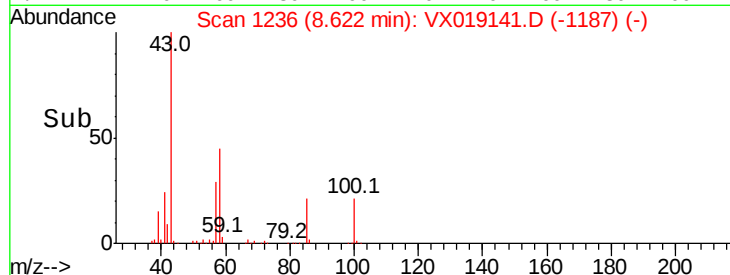
10000

5000

0

8.50 8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 2.417 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VX019141.D

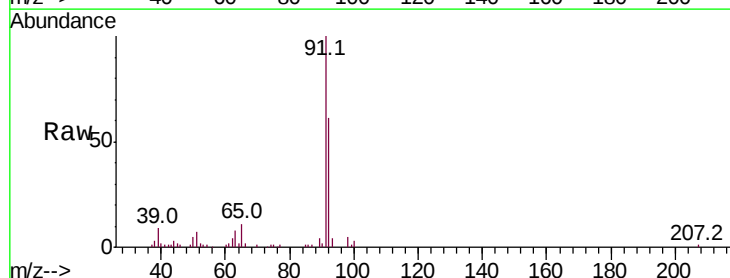
Acq: 27 Oct 2020 17:11

Tgt Ion: 92 Resp: 18598

Ion Ratio Lower Upper

92 100

91 167.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.77

20000

15000

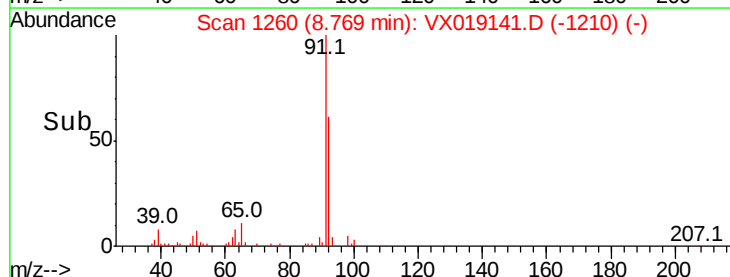
10000

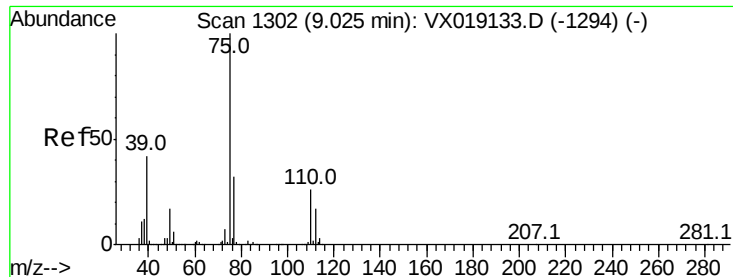
5000

0

8.70 8.75 8.80 8.85

Time-->





#53

t-1,3-Dichloropropene

Concen: 2.127 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

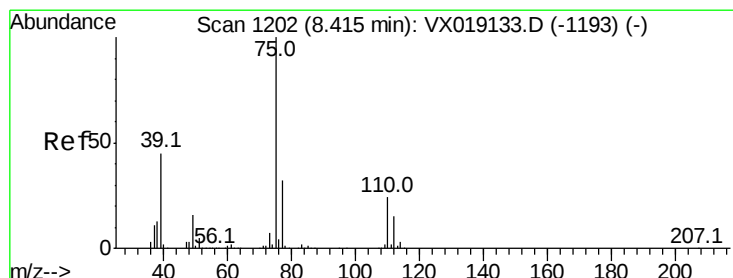
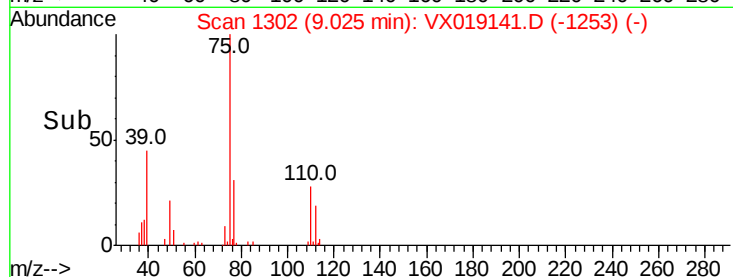
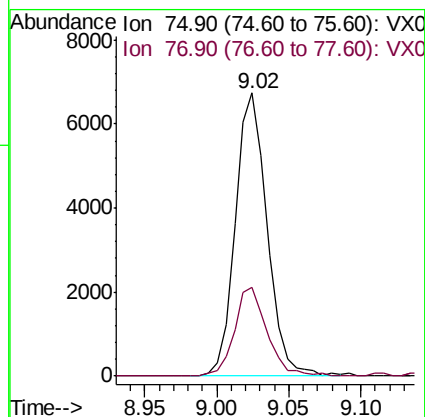
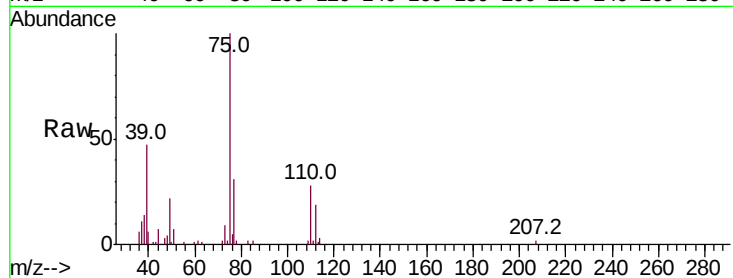
MDL-WATER-03-QT4-2020

Tot Ion: 75 Resp: 10362

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 2.240 ug/l

RT: 8.41 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

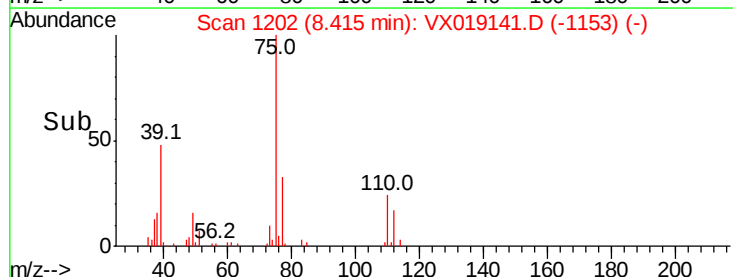
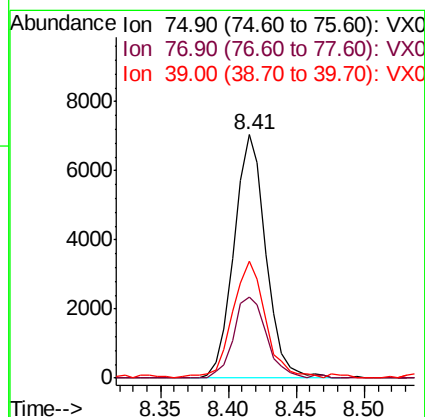
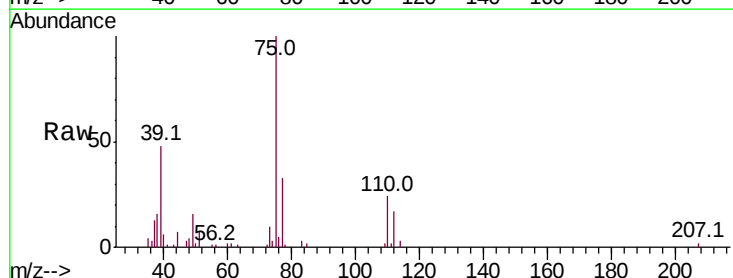
Tgt Ion: 75 Resp: 11475

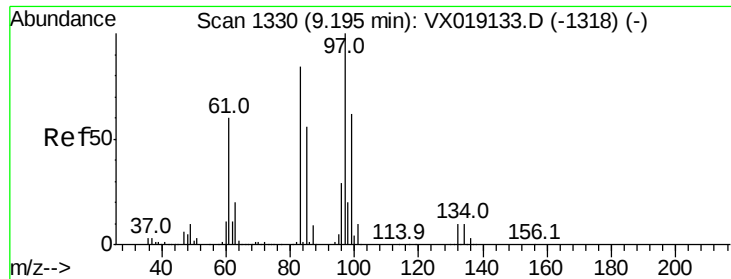
Ion Ratio Lower Upper

75 100

77 33.3 25.5 38.3

39 46.8 36.2 54.2

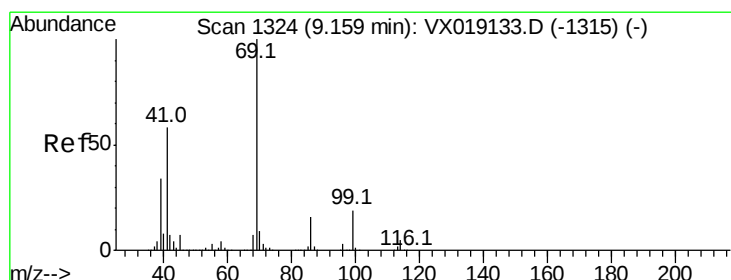
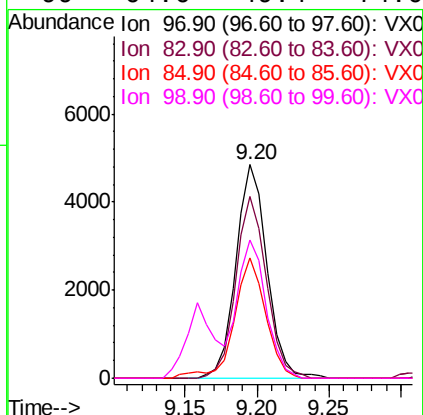
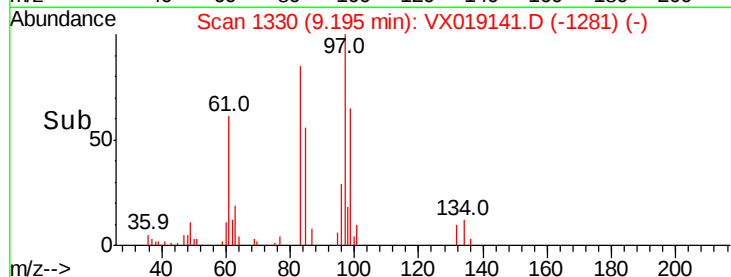
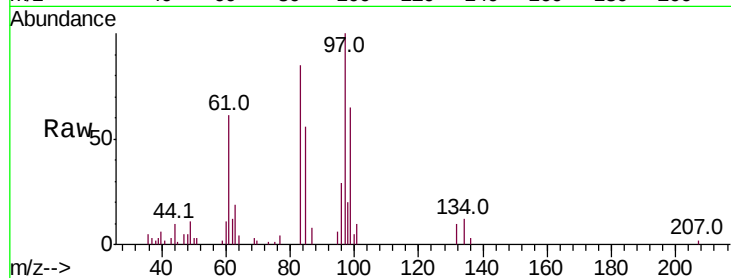




#55
 1,1,2-Trichloroethane
 Concen: 2.396 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

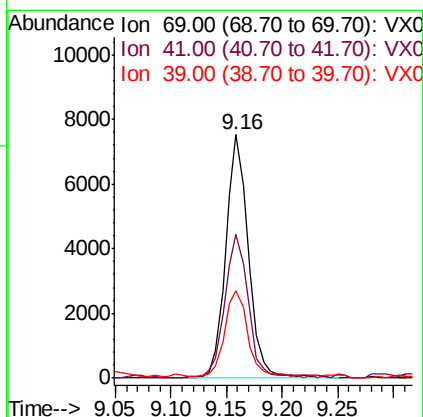
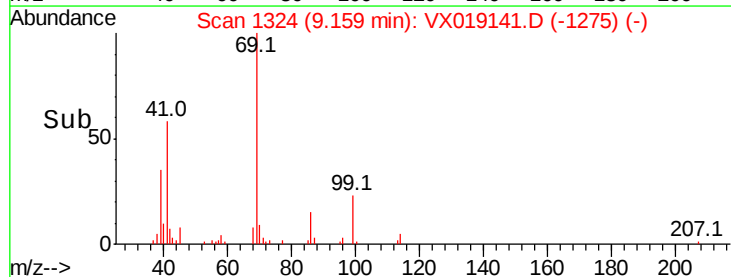
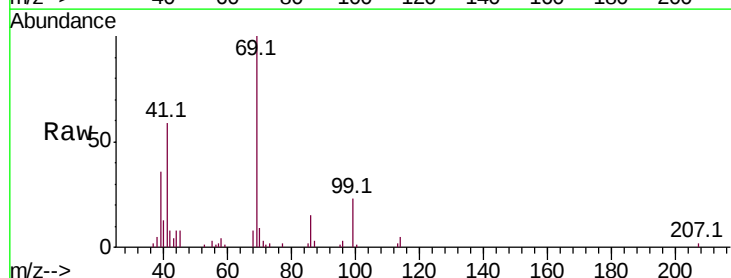
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

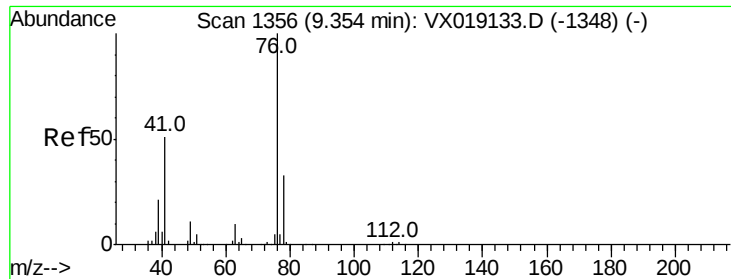
Tot Ion:	97	Resp:	7283
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.2	100.8
85	56.3	44.6	67.0
99	64.6	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 2.305 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion:	69	Resp:	10586
Ion	Ratio	Lower	Upper
69	100		
41	61.5	46.5	69.7
39	38.7	27.6	41.4





#57

1,3-Dichloropropane

Concen: 2.414 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

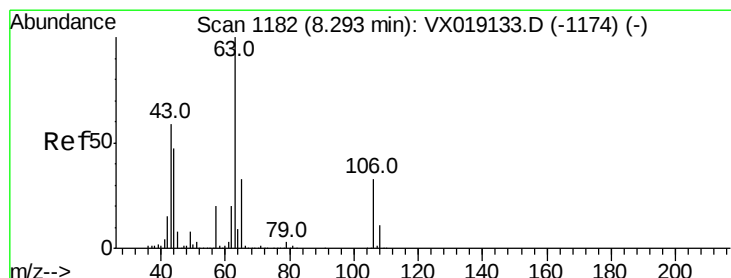
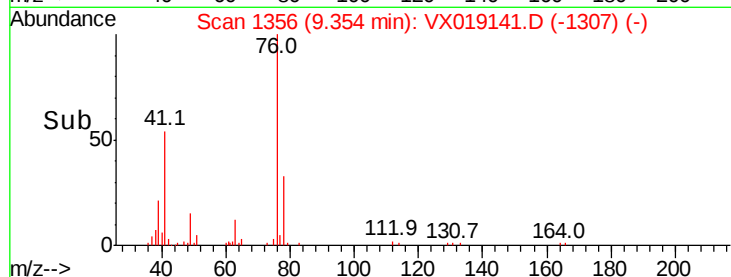
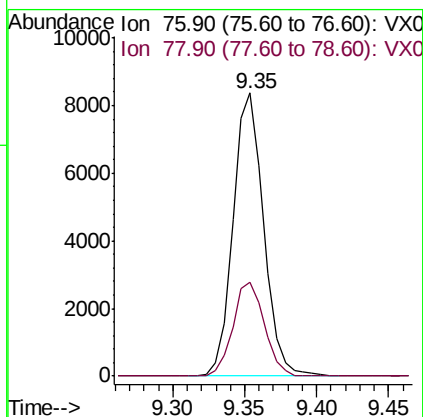
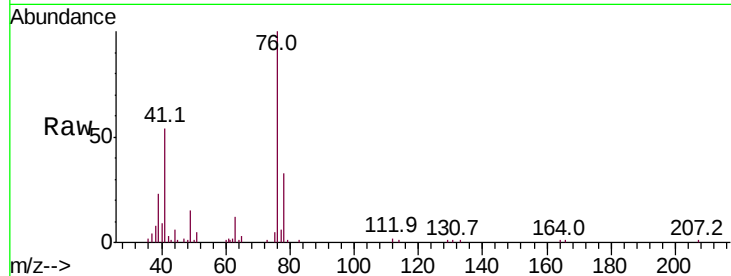
MDL-WATER-03-QT4-2020

Tot Ion: 76 Resp: 12375

Ion Ratio Lower Upper

76 100

78 34.0 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 11.314 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VX019141.D

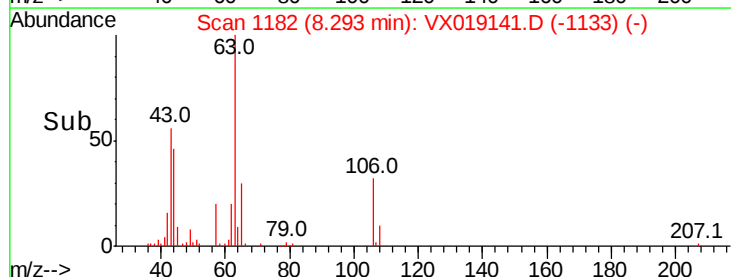
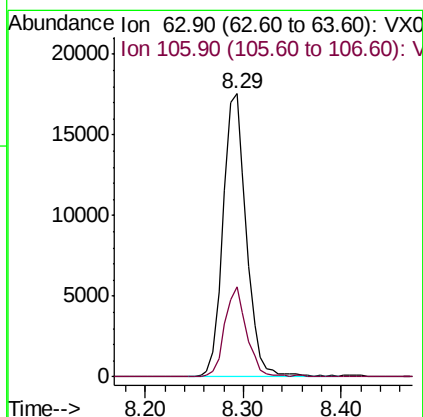
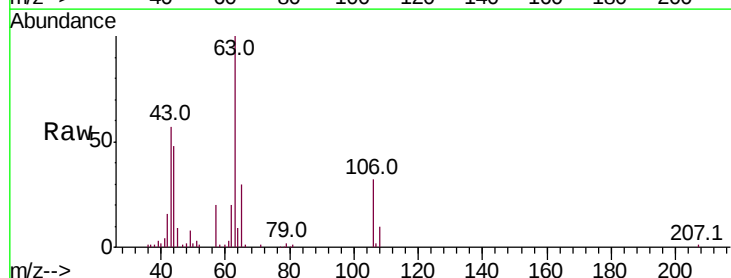
Acq: 27 Oct 2020 17:11

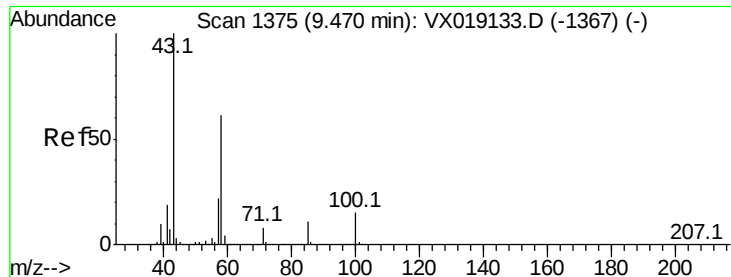
Tgt Ion: 63 Resp: 29055

Ion Ratio Lower Upper

63 100

106 30.1 25.1 37.7

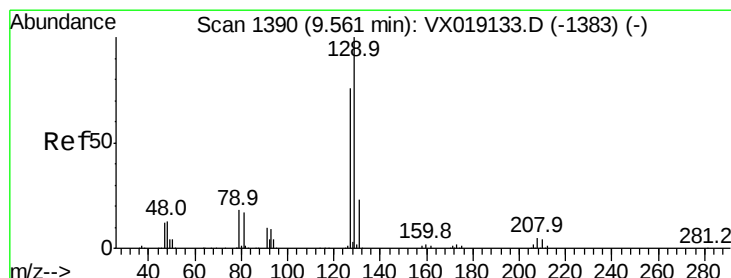
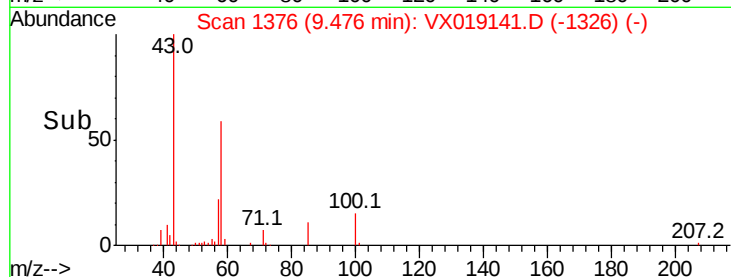
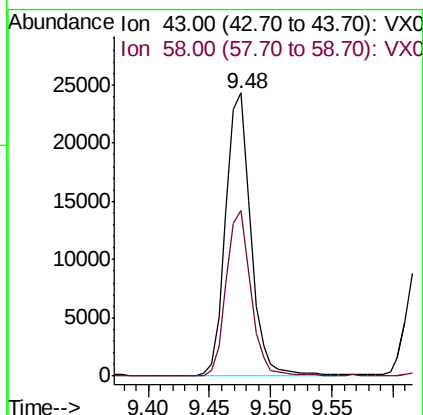
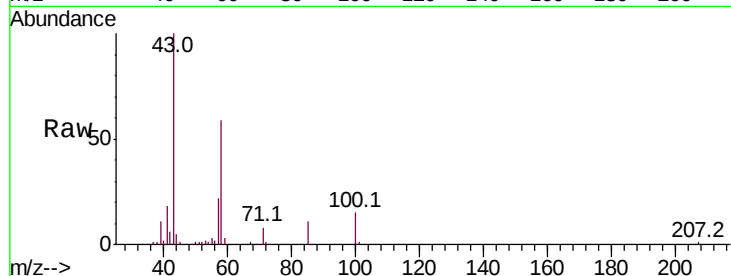




#59
2-Hexanone
Concen: 12.153 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

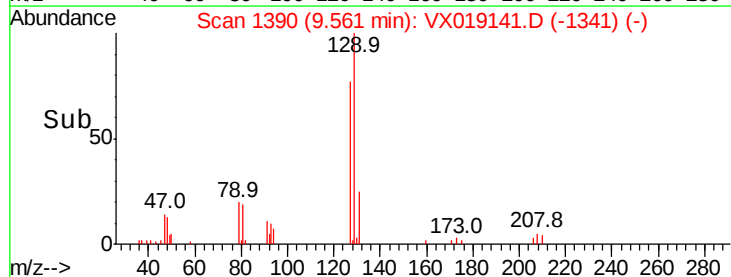
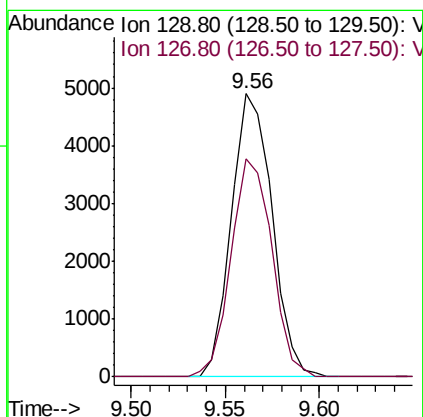
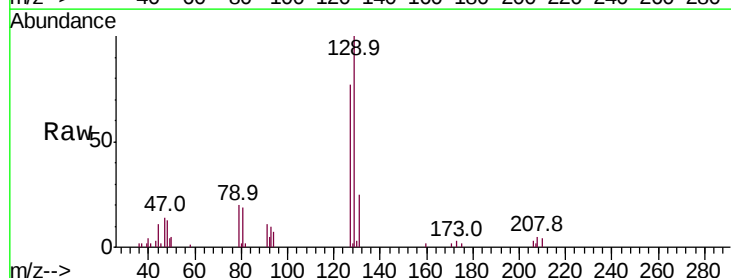
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

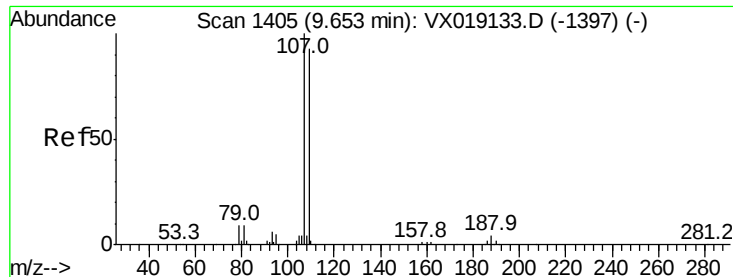
Tot Ion: 43 Resp: 34829
Ion Ratio Lower Upper
43 100
58 57.2 30.5 91.5



#60
Dibromochloromethane
Concen: 2.223 ug/l
RT: 9.56 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 129 Resp: 7335
Ion Ratio Lower Upper
129 100
127 77.3 38.6 115.8





#61

1,2-Dibromoethane

Concen: 2.430 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

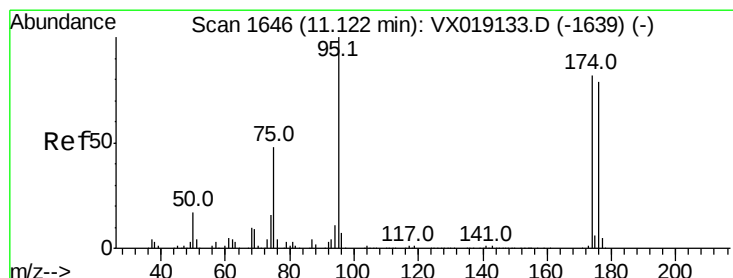
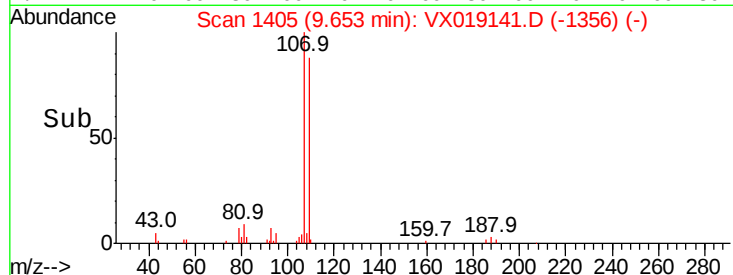
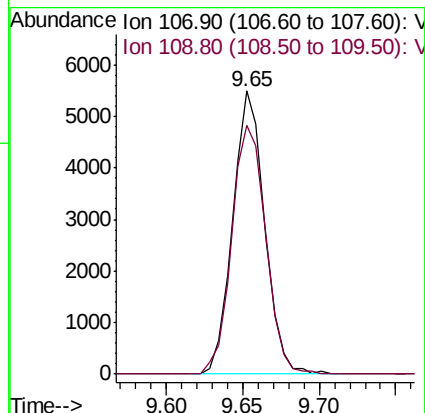
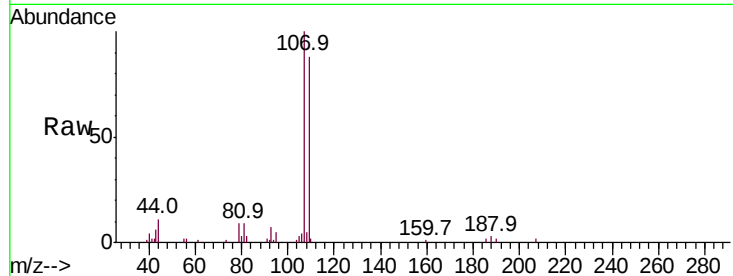
MDL-WATER-03-QT4-2020

Tot Ion:107 Resp: 7899

Ion Ratio Lower Upper

107 100

109 93.9 75.9 113.9



#62

4-Bromofluorobenzene

Concen: 46.404 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

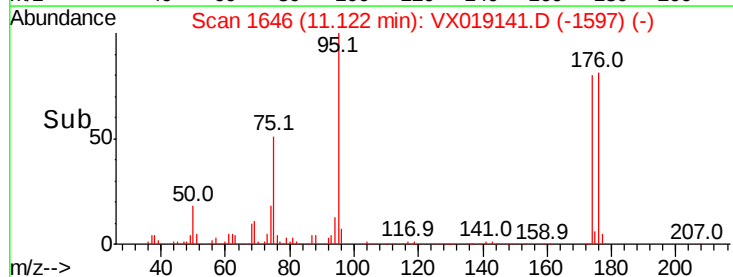
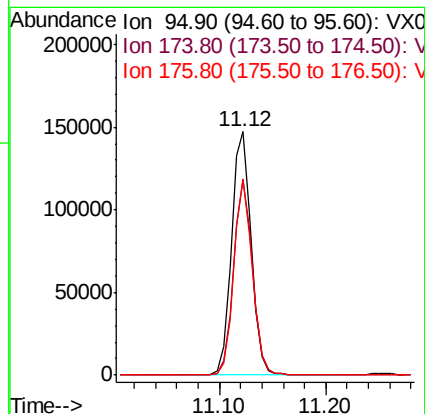
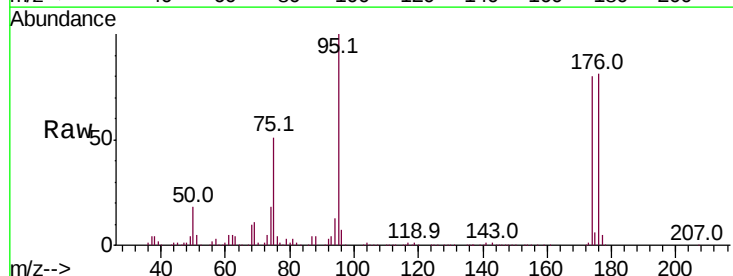
Tgt Ion: 95 Resp: 189862

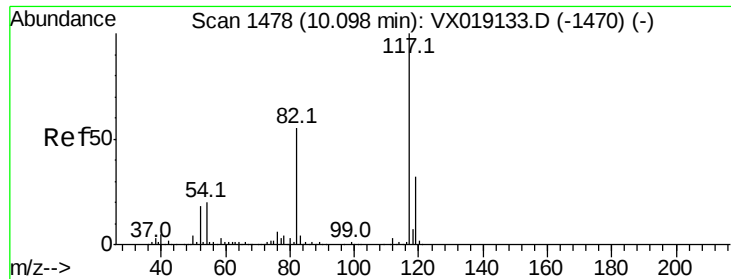
Ion Ratio Lower Upper

95 100

174 77.4 0.0 156.0

176 76.1 0.0 149.8

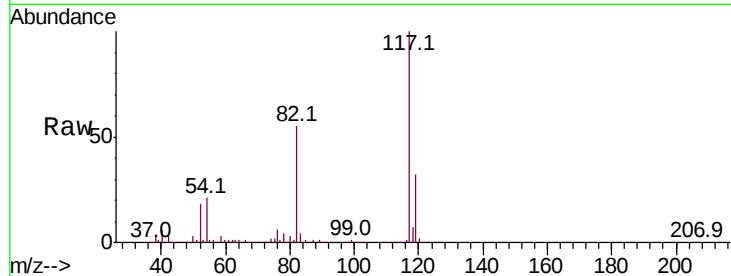




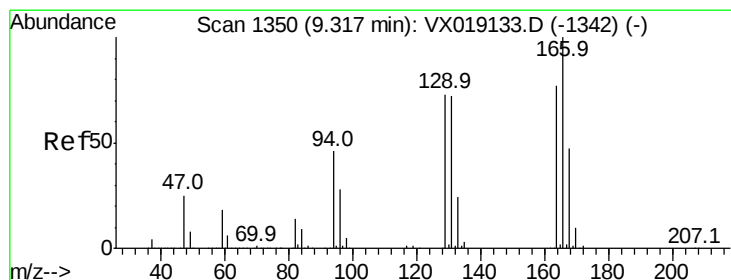
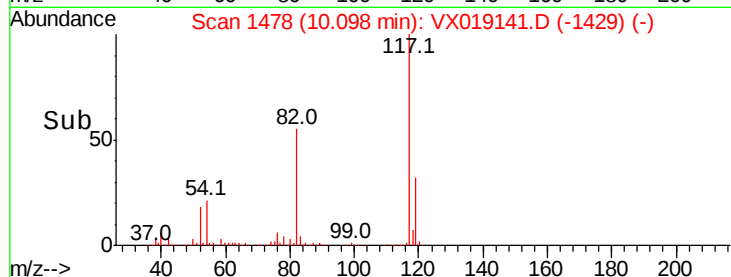
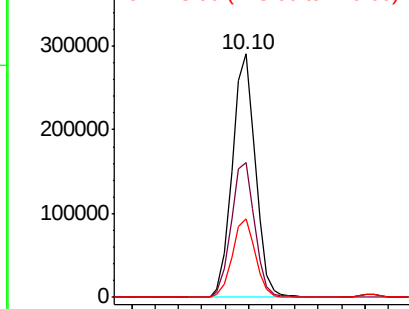
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

Tot Ion:117 Resp: 404150
Ion Ratio Lower Upper
117 100
82 55.4 43.6 65.4
119 32.3 25.5 38.3

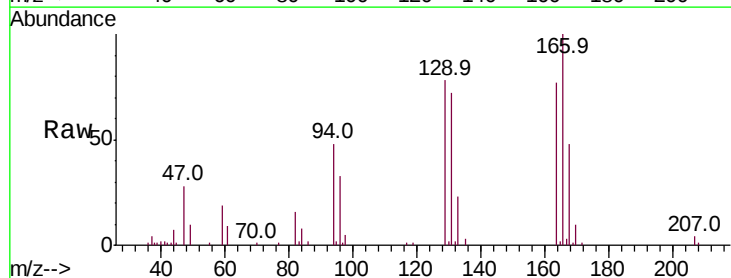


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

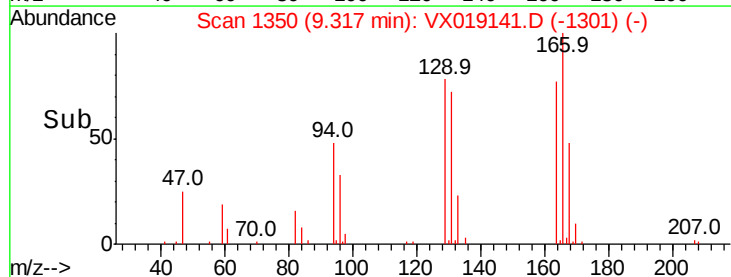
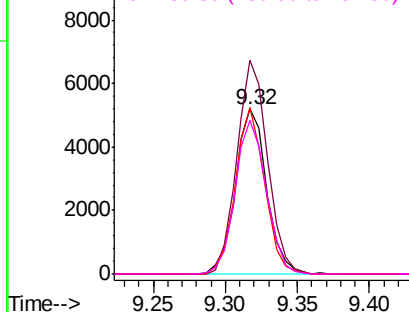


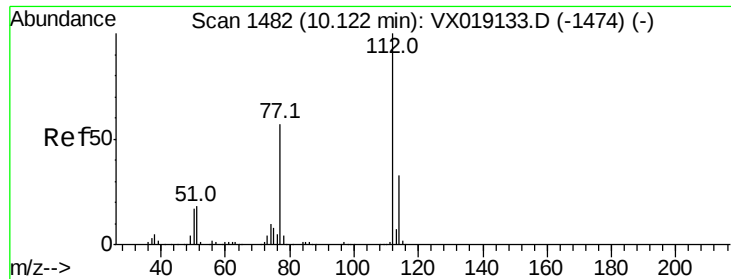
#64
Tetrachloroethene
Concen: 2.538 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion:164 Resp: 7815
Ion Ratio Lower Upper
164 100
166 129.7 104.1 156.1
129 100.9 76.2 114.4
131 93.5 74.6 112.0



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

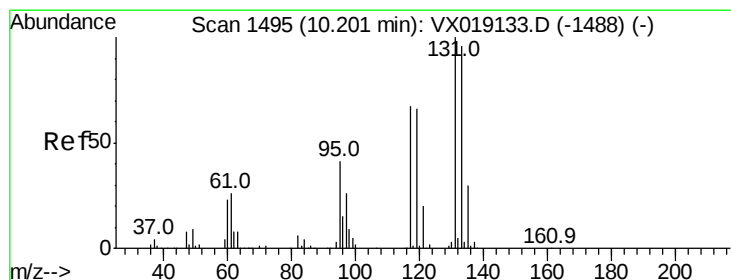
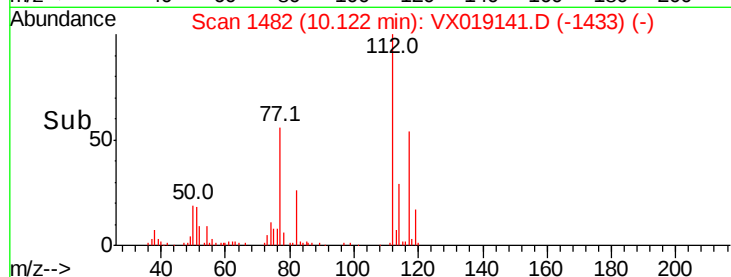
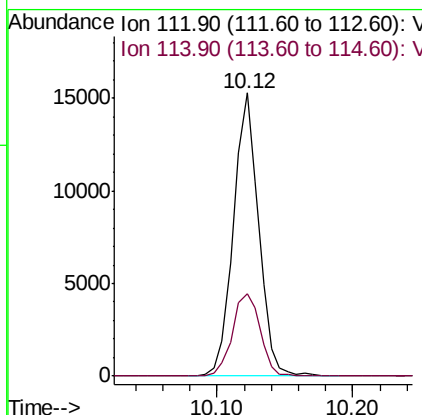
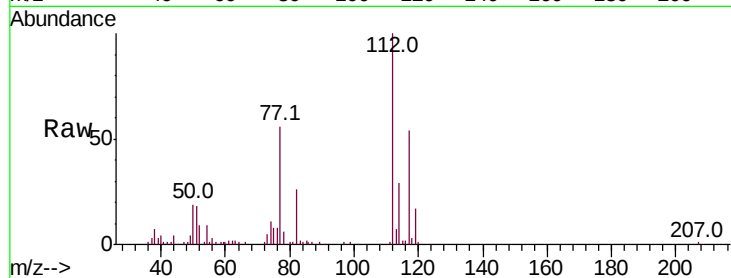




#65
Chlorobenzene
Concen: 2.388 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

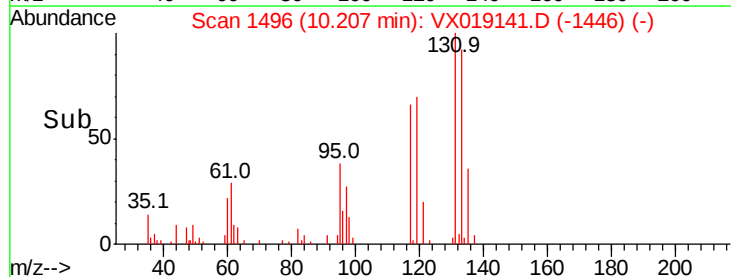
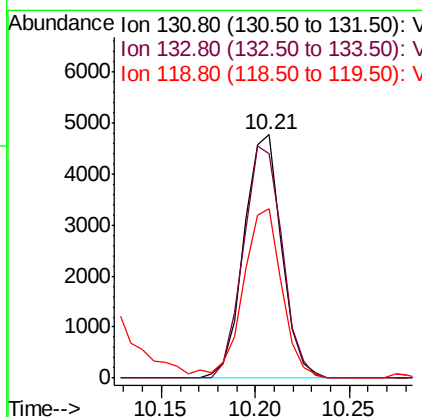
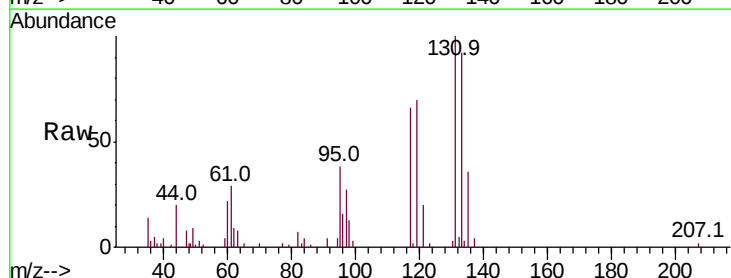
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

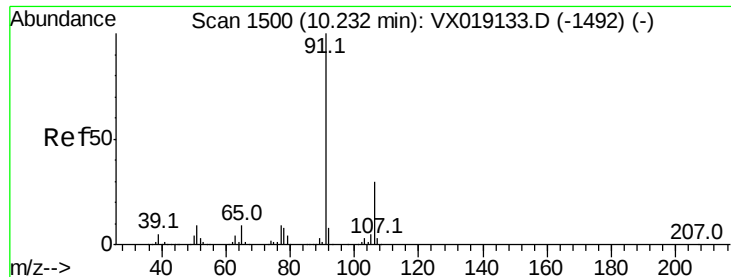
Tot Ion:112 Resp: 19722
Ion Ratio Lower Upper
112 100
114 28.9 26.1 39.1



#66
1,1,1,2-Tetrachloroethane
Concen: 2.222 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion:131 Resp: 6609
Ion Ratio Lower Upper
131 100
133 98.2 47.3 141.8
119 70.2 32.3 96.9

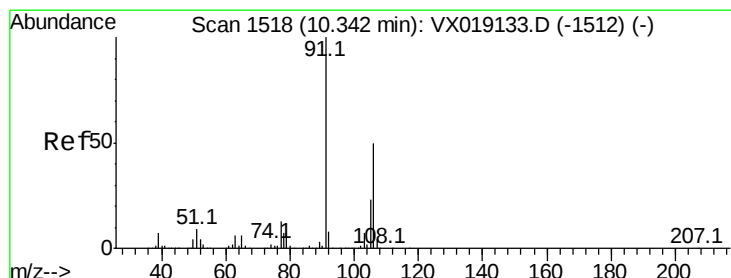
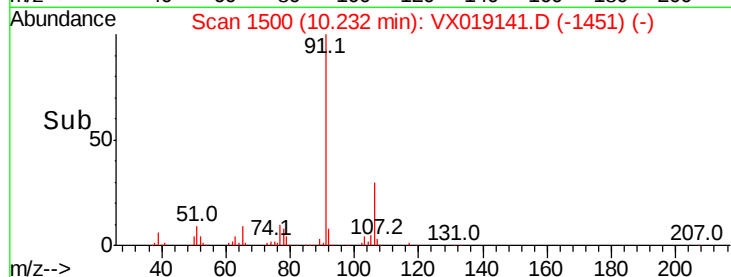
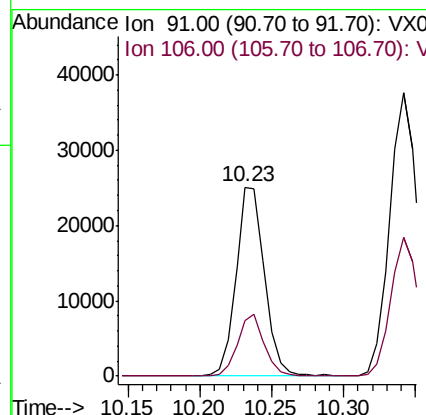
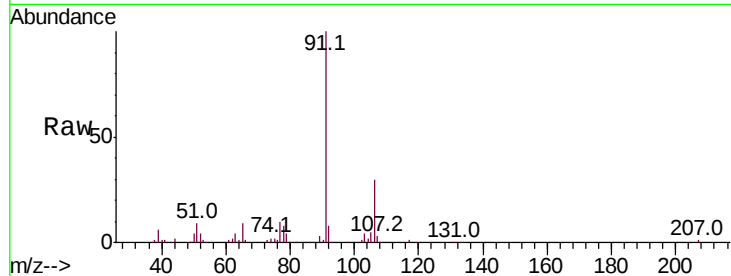




#67
Ethyl Benzene
Concen: 2.360 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

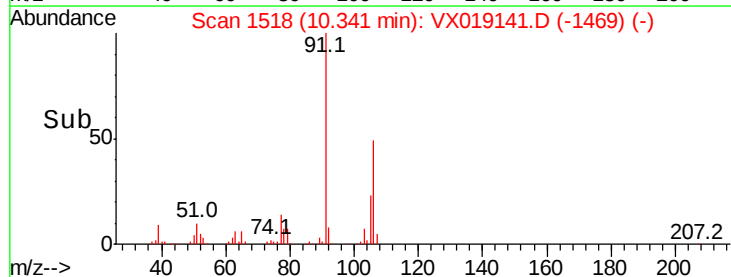
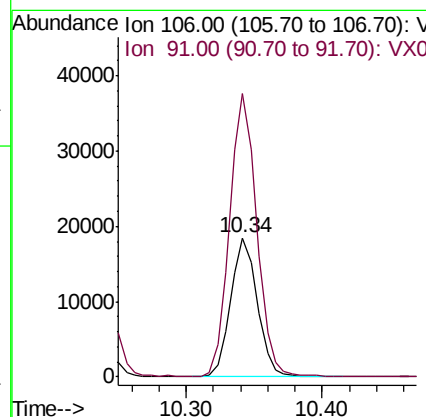
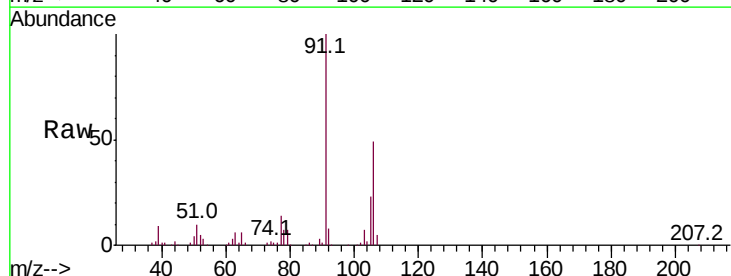
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

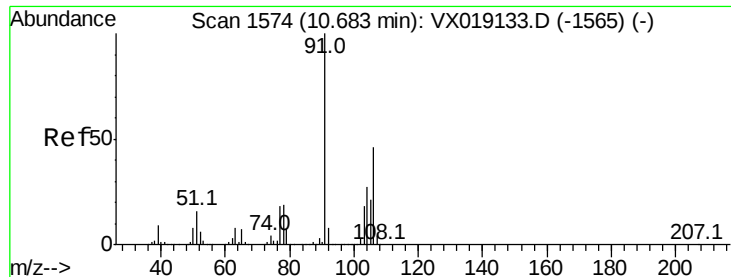
Tot Ion: 91 Resp: 34739
Ion Ratio Lower Upper
91 100
106 29.7 24.3 36.5



#68
m/p-Xylenes
Concen: 4.571 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 106 Resp: 25254
Ion Ratio Lower Upper
106 100
91 207.3 161.0 241.4

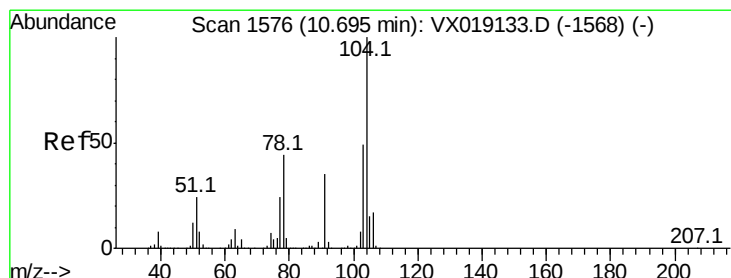
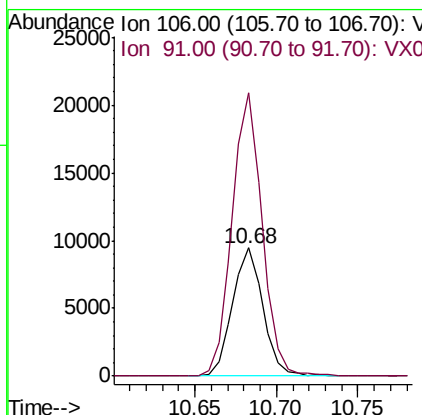
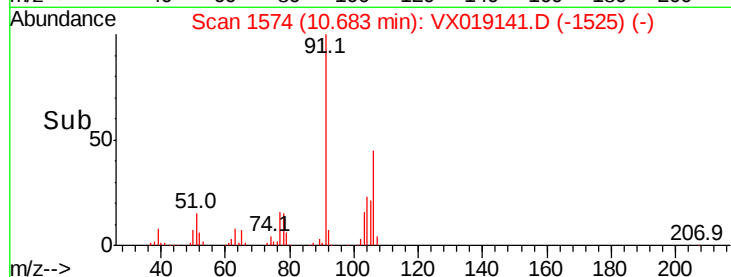
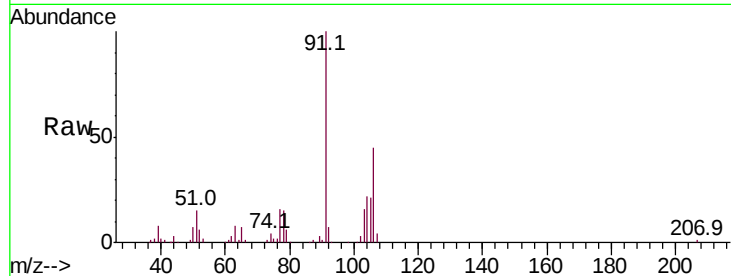




#69
o-Xylene
Concen: 2.356 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

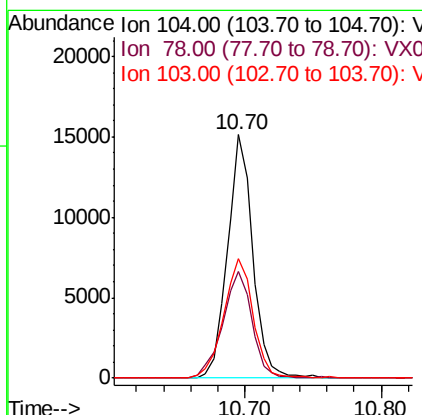
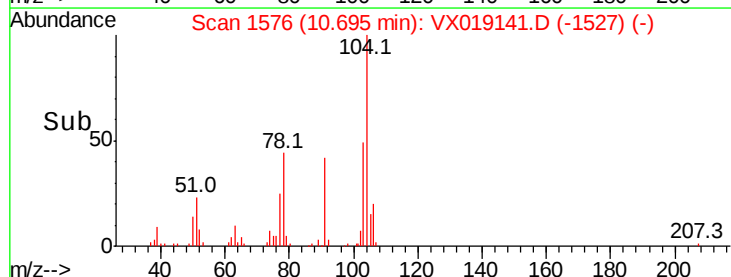
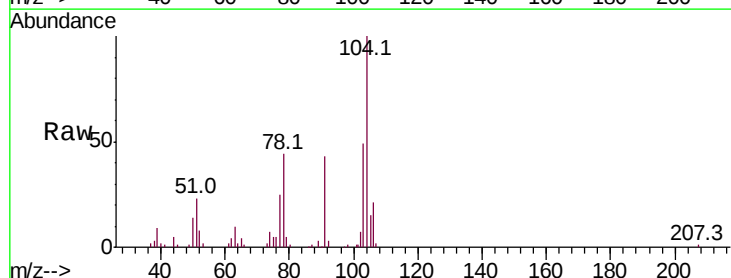
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

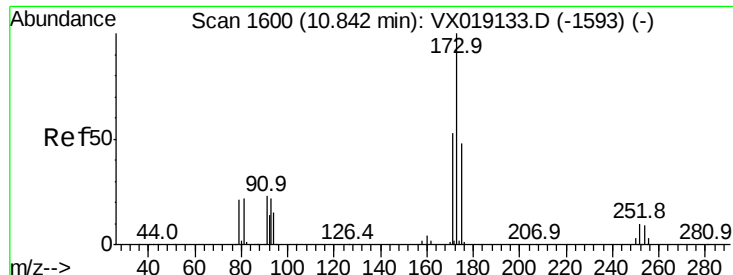
Tot Ion:106 Resp: 12343
Ion Ratio Lower Upper
106 100
91 217.5 108.3 324.8



#70
Styrene
Concen: 2.188 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion:104 Resp: 19560
Ion Ratio Lower Upper
104 100
78 50.7 40.0 60.0
103 56.8 43.5 65.3





#71

Bromoform

Concen: 2.020 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

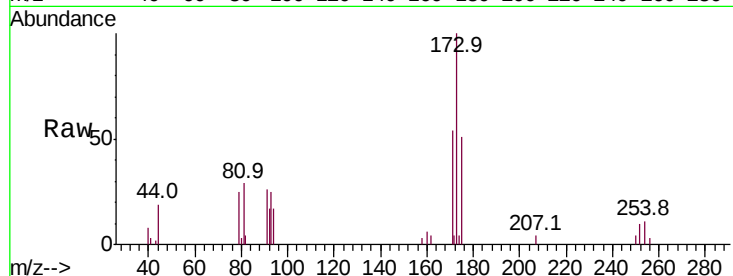
Tot Ion:173 Resp: 4762

Ion Ratio Lower Upper

173 100

175 50.0 24.4 73.4

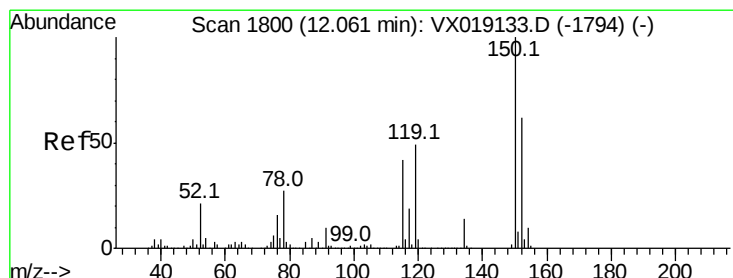
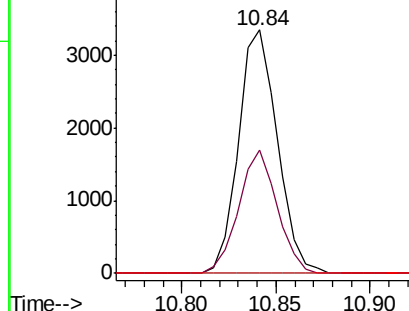
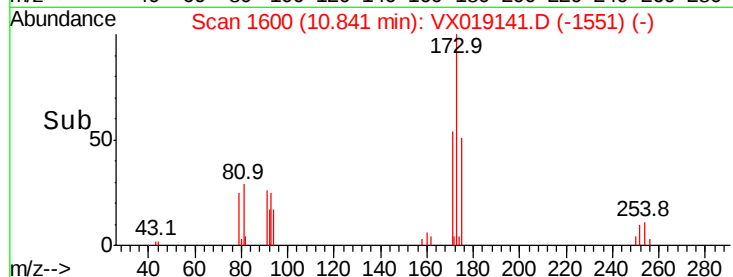
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

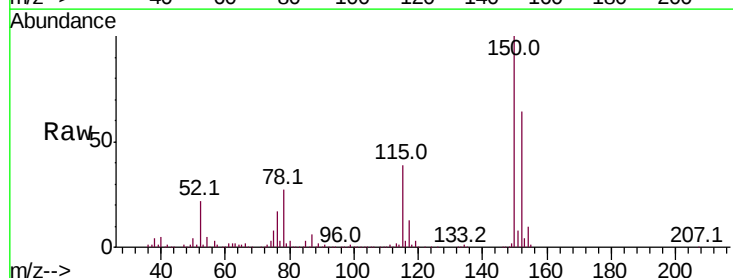
Tgt Ion:152 Resp: 198041

Ion Ratio Lower Upper

152 100

115 61.1 41.9 125.7

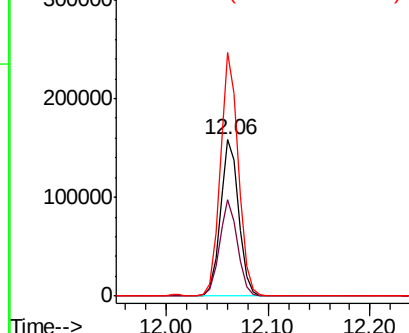
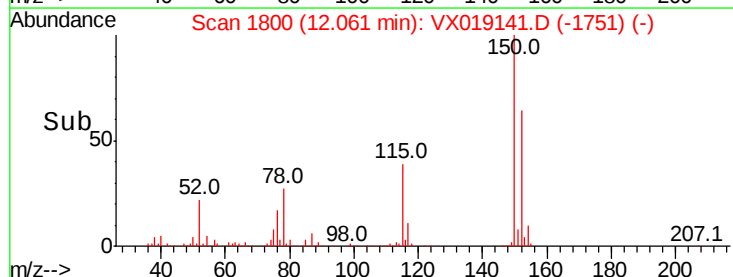
150 154.6 0.0 347.8

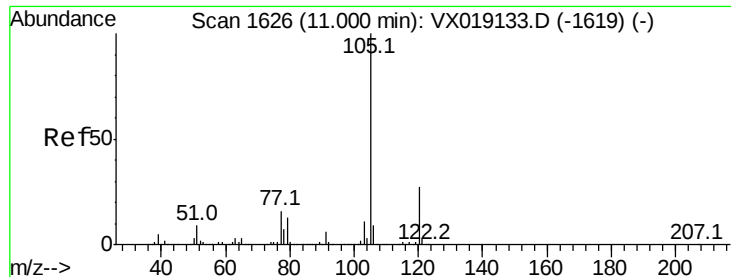


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

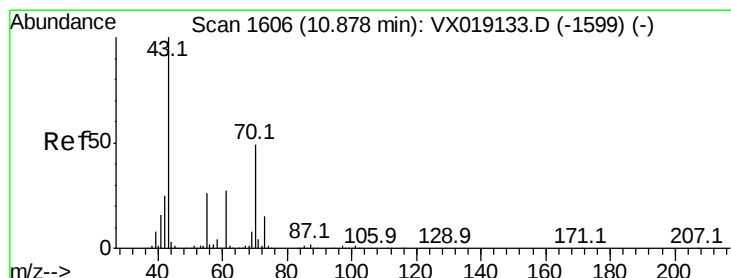
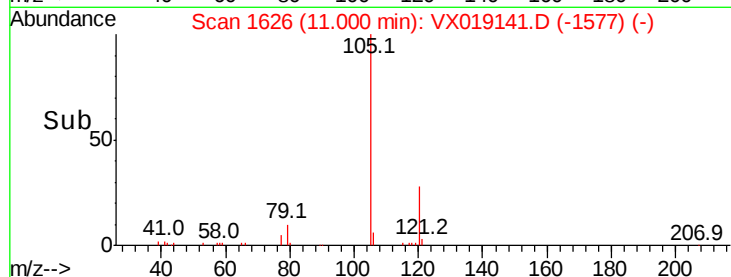
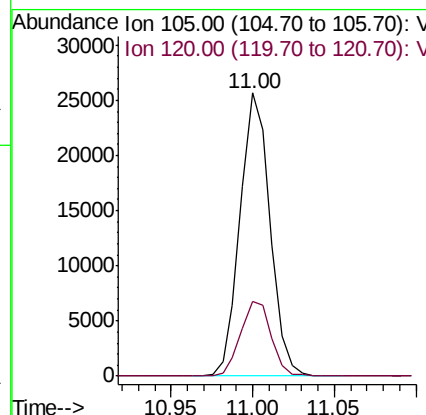
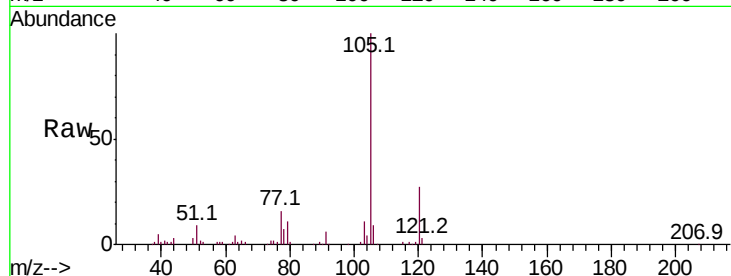




#73
Isopropylbenzene
Concen: 2.351 ug/l
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

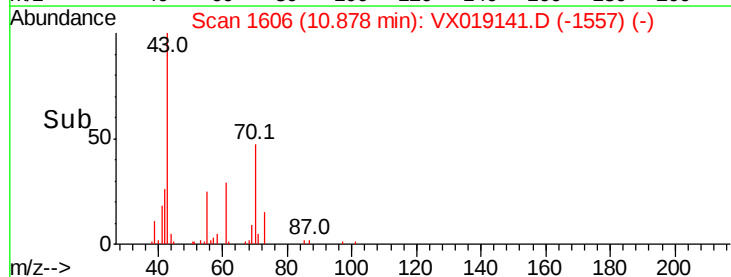
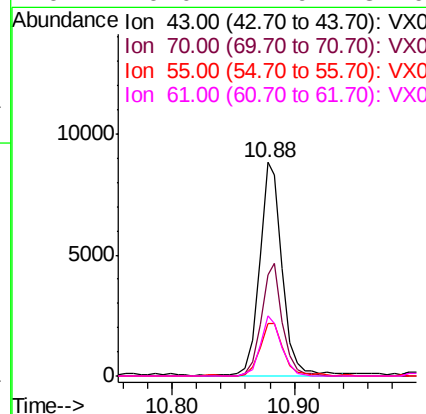
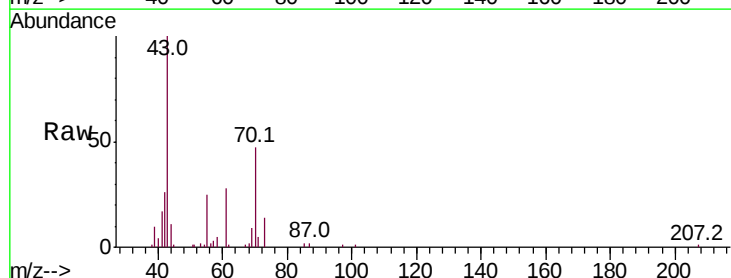
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

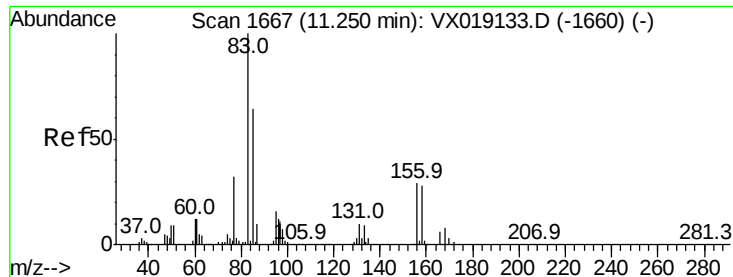
Tot Ion:105 Resp: 32959
Ion Ratio Lower Upper
105 100
120 27.1 13.3 39.8



#74
N-ethyl acetate
Concen: 2.243 ug/l
RT: 10.88 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 43 Resp: 11498
Ion Ratio Lower Upper
43 100
70 48.5 39.6 59.4
55 25.7 20.7 31.1
61 26.0 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 2.394 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

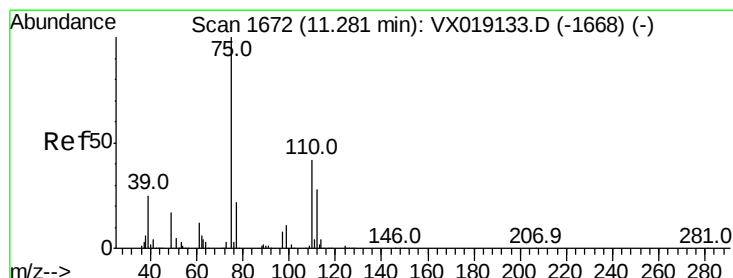
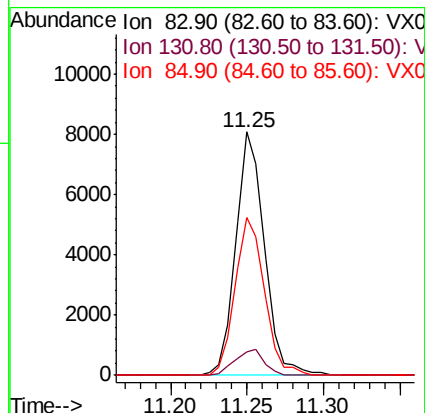
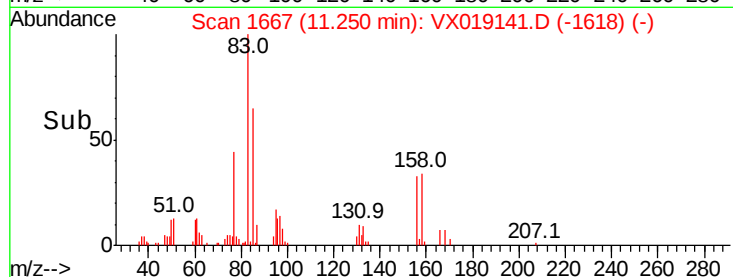
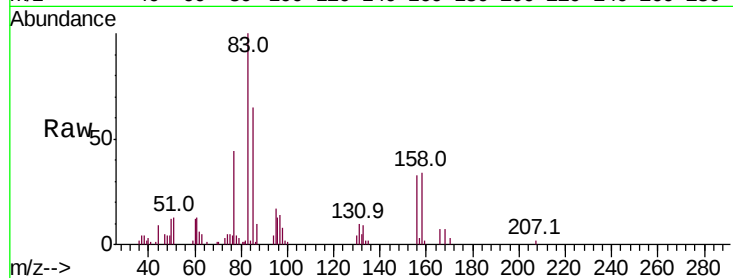
Tot Ion: 83 Resp: 10490

Ion Ratio Lower Upper

83 100

131 10.7 5.2 15.6

85 66.2 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 2.885 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. -0.00 min

Lab File: VX019141.D

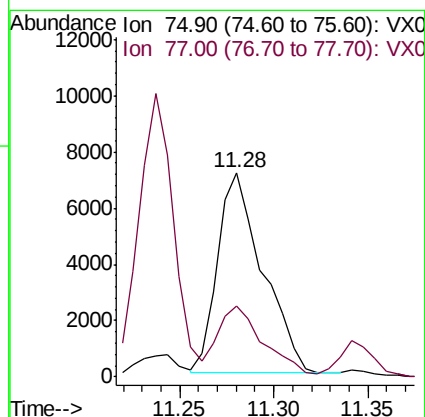
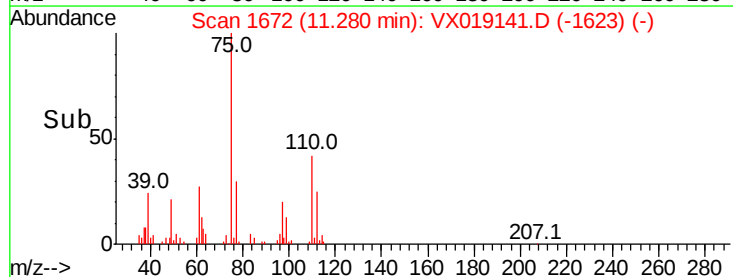
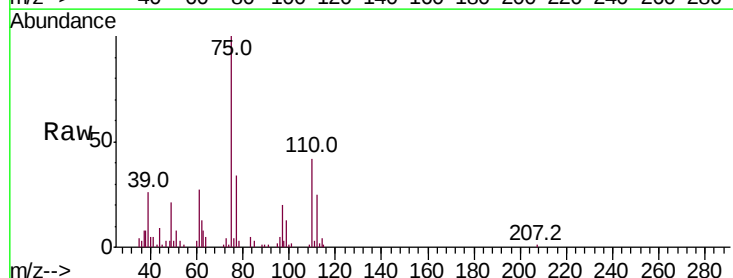
Acq: 27 Oct 2020 17:11

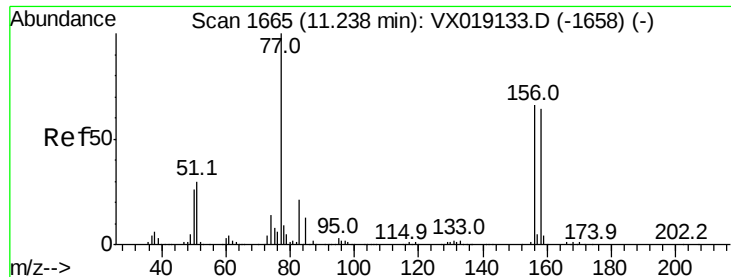
Tgt Ion: 75 Resp: 11798

Ion Ratio Lower Upper

75 100

77 36.3 20.3 60.9





#77

Bromobenzene

Concen: 2.366 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

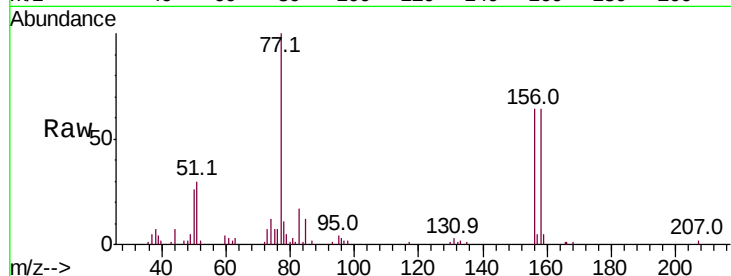
Tot Ion:156 Resp: 8232

Ion Ratio Lower Upper

156 100

77 159.2 77.7 233.1

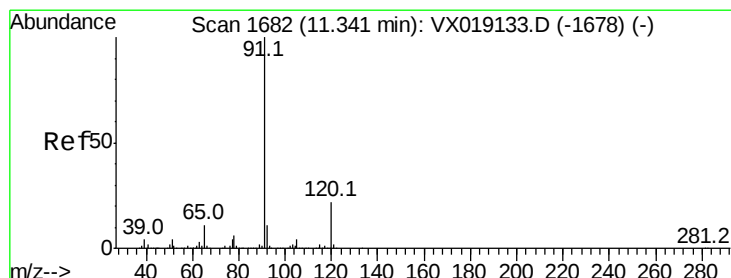
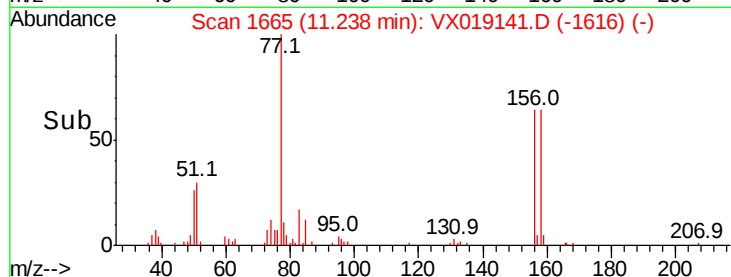
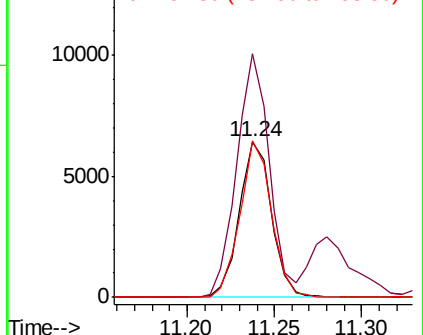
158 98.3 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.332 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX019141.D

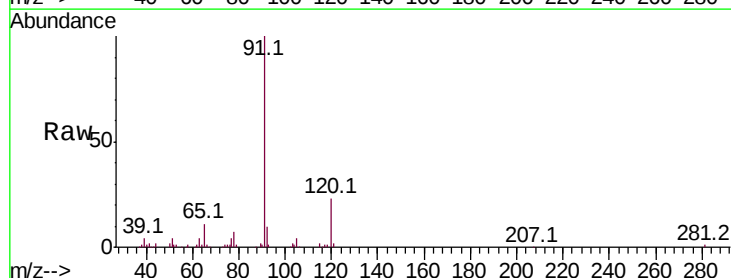
Acq: 27 Oct 2020 17:11

Tgt Ion: 91 Resp: 37314

Ion Ratio Lower Upper

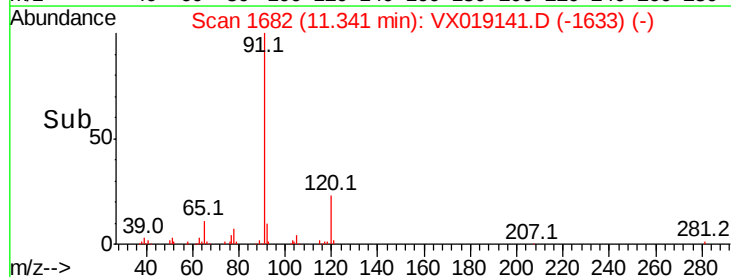
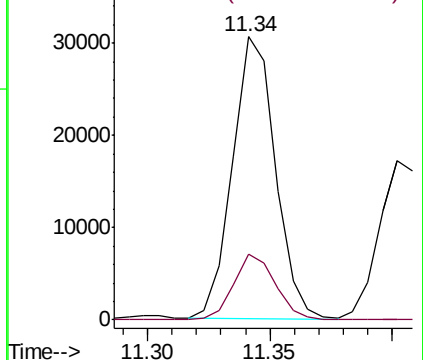
91 100

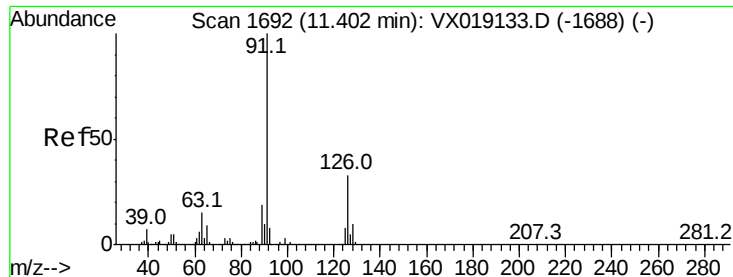
120 22.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

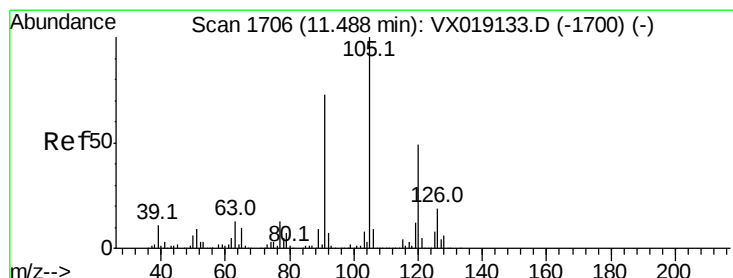
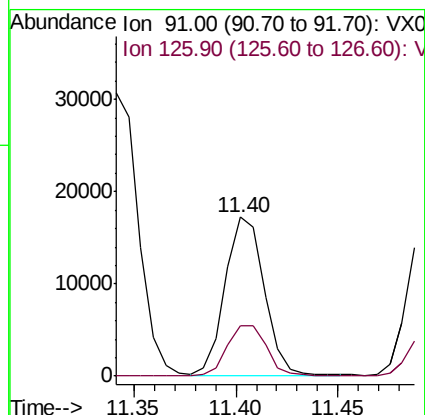
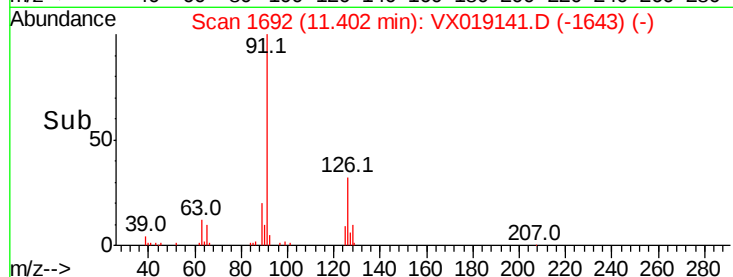
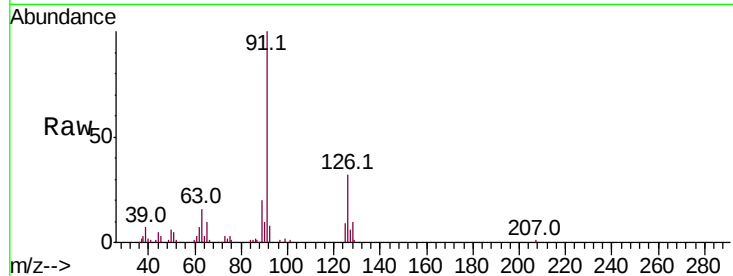




#79
2-Chlorotoluene
Concen: 2.419 ug/l
RT: 11.40 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

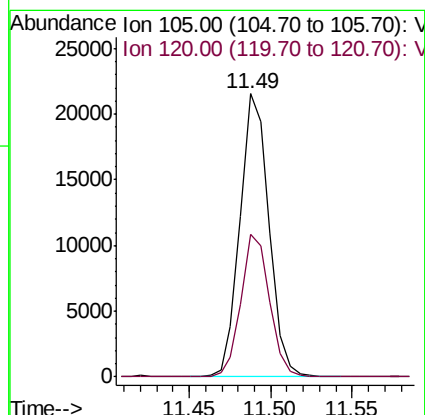
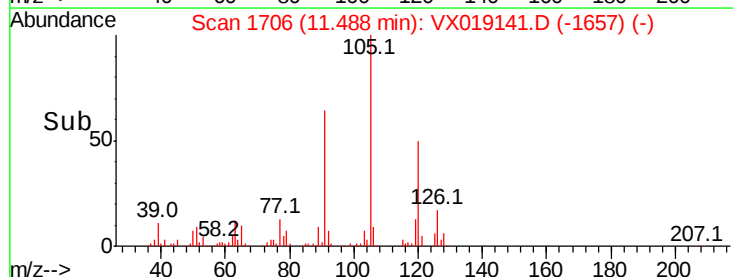
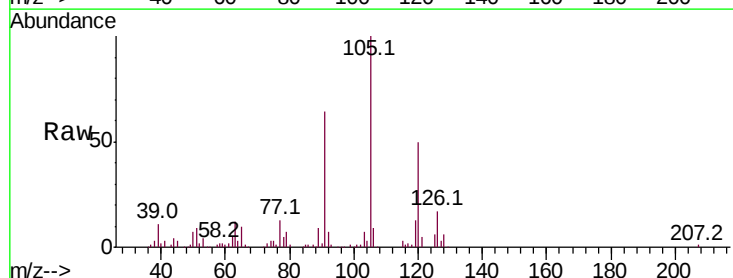
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

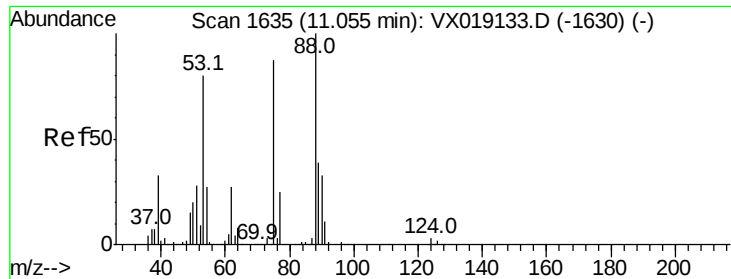
Tot Ion: 91 Resp: 22788
Ion Ratio Lower Upper
91 100
126 32.2 16.9 50.7



#80
1,3,5-Trimethylbenzene
Concen: 2.255 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 105 Resp: 26707
Ion Ratio Lower Upper
105 100
120 49.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 1.898 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

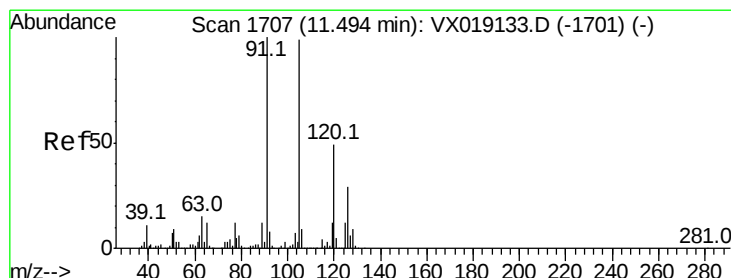
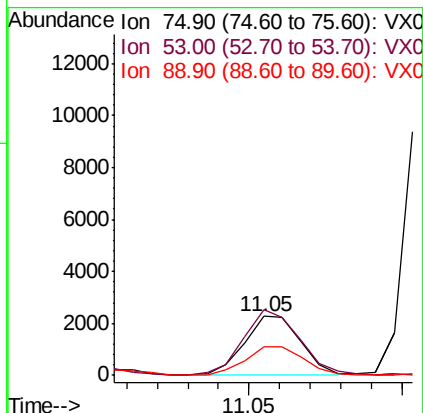
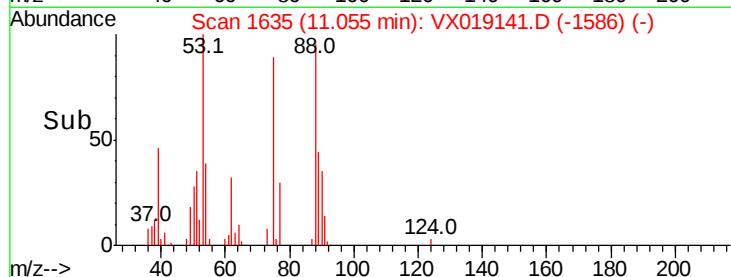
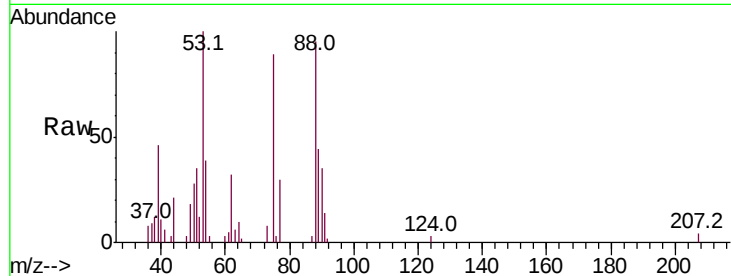
Tot Ion: 75 Resp: 2948

Ion Ratio Lower Upper

75 100

53 109.2 73.3 109.9

89 50.1 38.2 57.2



#82

4-Chlorotoluene

Concen: 2.334 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX019141.D

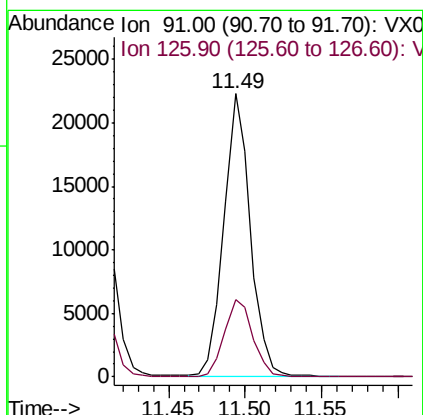
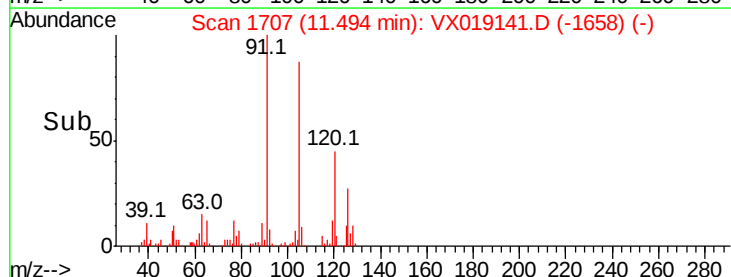
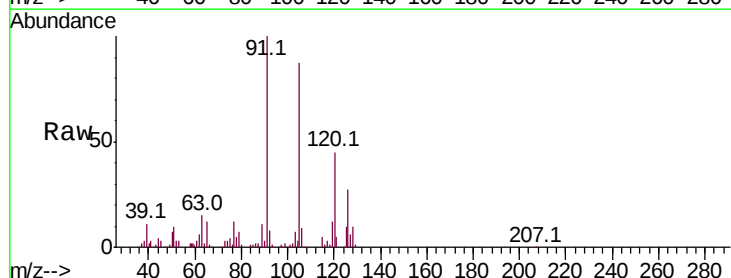
Acq: 27 Oct 2020 17:11

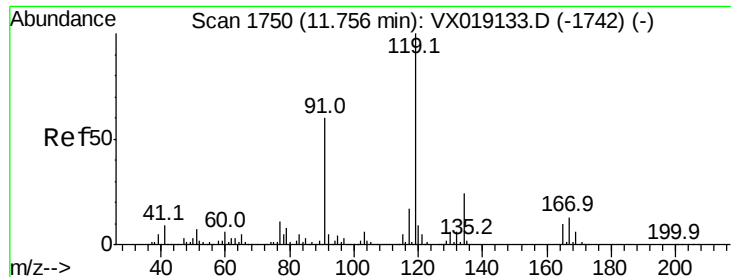
Tgt Ion: 91 Resp: 26848

Ion Ratio Lower Upper

91 100

126 29.6 14.8 44.4

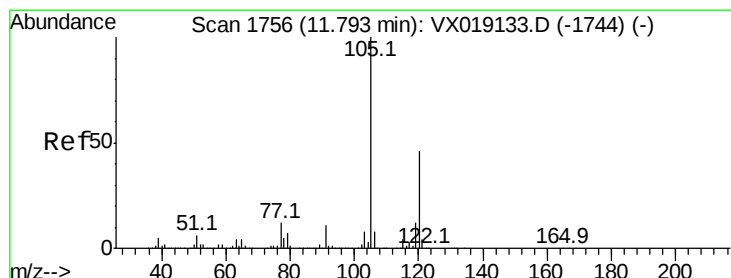
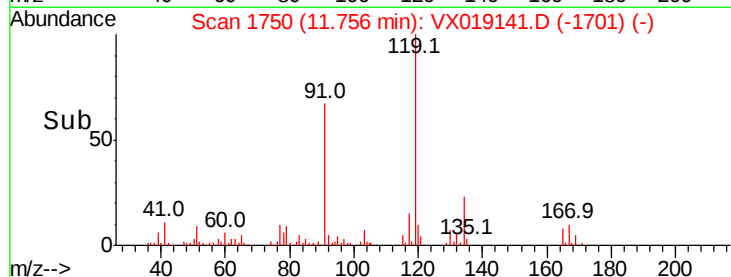
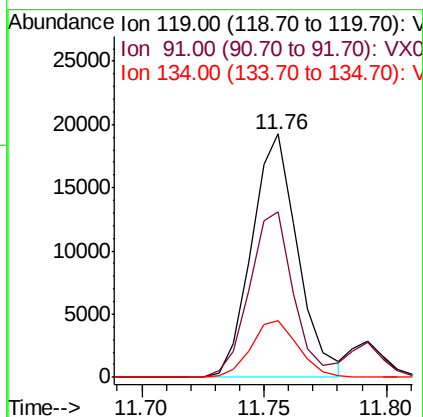
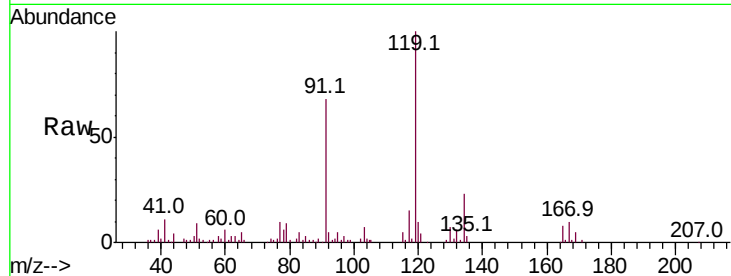




#83
tert-Butylbenzene
Concen: 2.227 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

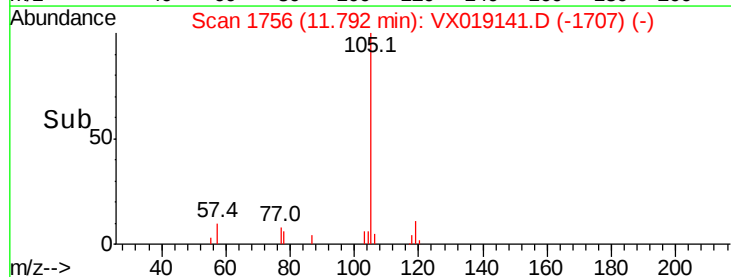
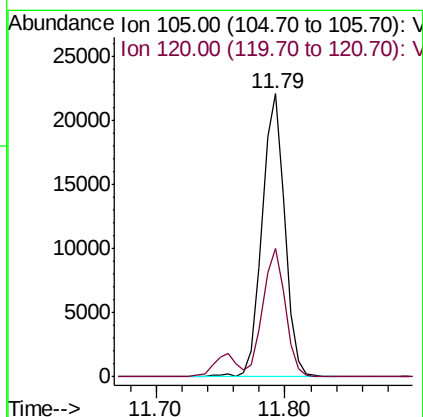
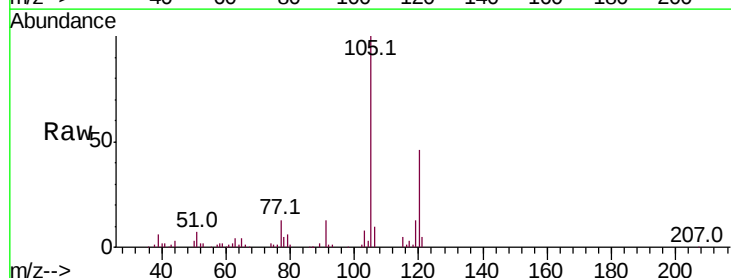
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

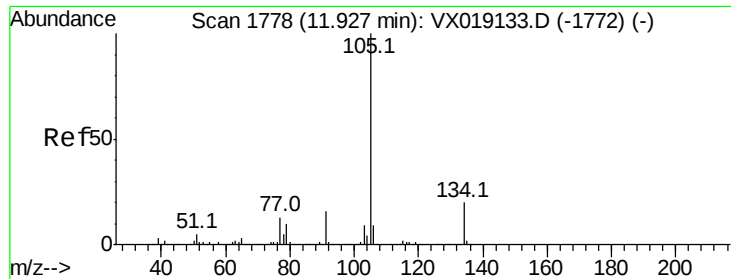
Tot Ion:119 Resp: 25254
Ion Ratio Lower Upper
119 100
91 64.8 29.0 87.1
134 23.8 11.7 35.0



#84
1,2,4-Trimethylbenzene
Concen: 2.236 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion:105 Resp: 26735
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3

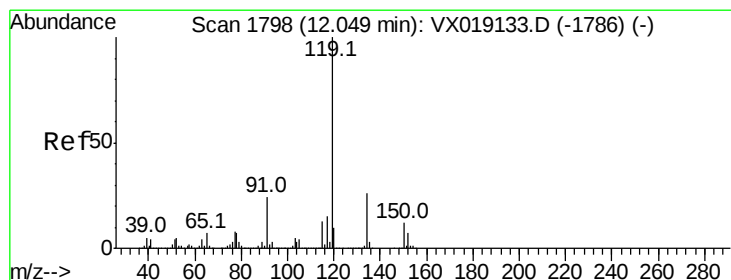
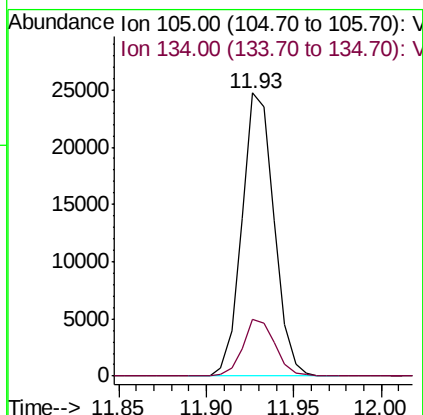
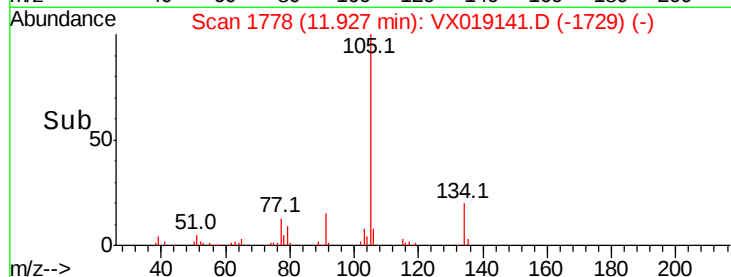
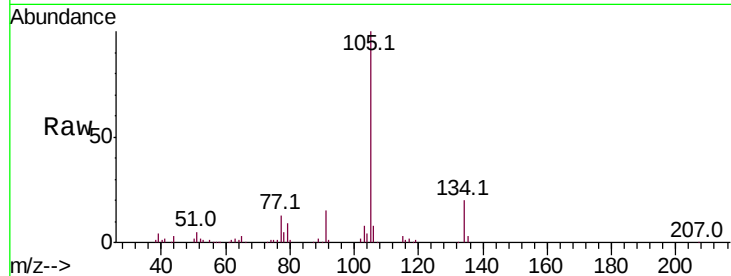




#85
 sec-Butylbenzene
 Concen: 2.325 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

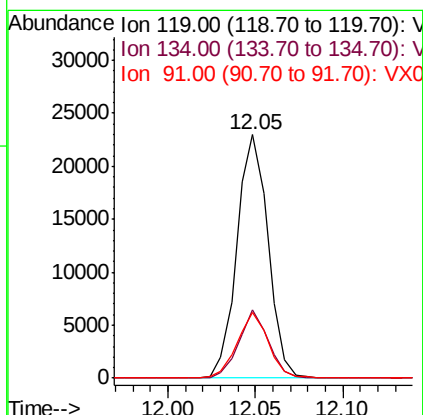
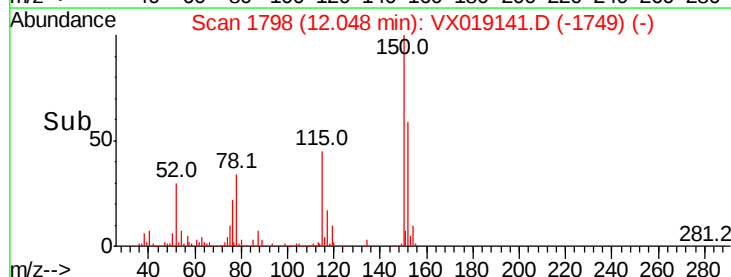
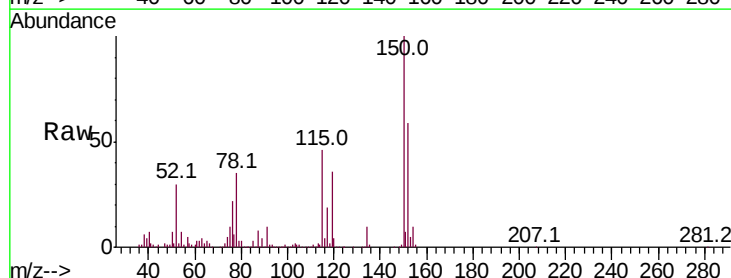
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

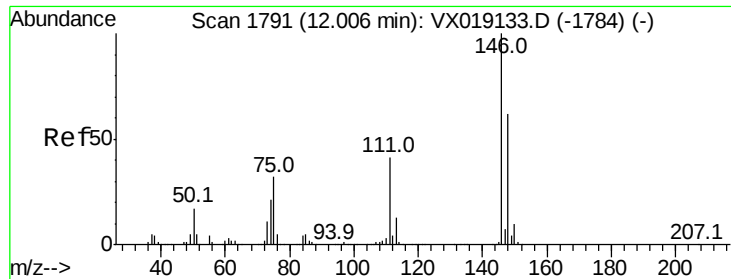
Tot Ion:105 Resp: 31616
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 2.260 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion:119 Resp: 28370
 Ion Ratio Lower Upper
 119 100
 134 26.6 12.9 38.7
 91 26.9 12.0 36.0

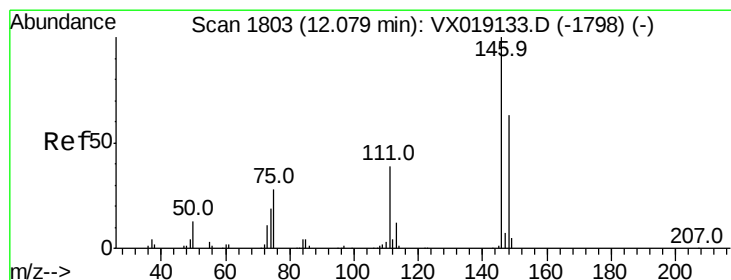
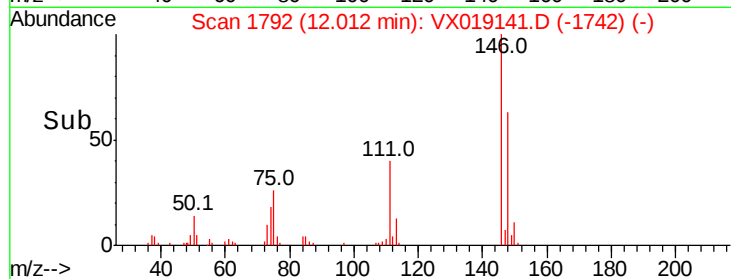
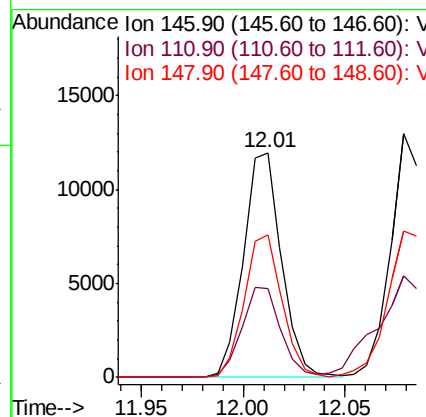
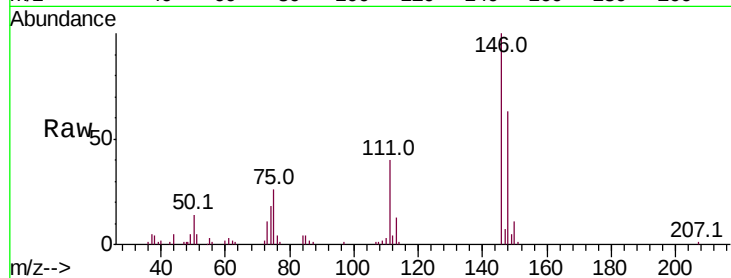




#87
 1,3-Dichlorobenzene
 Concen: 2.393 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

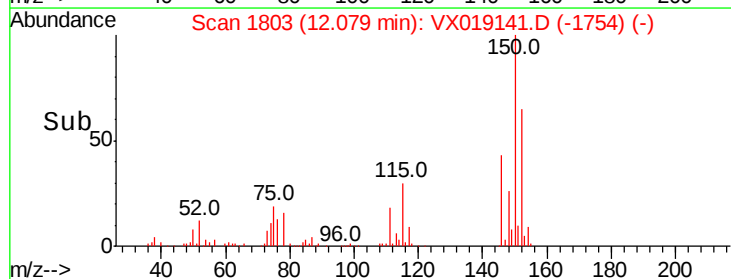
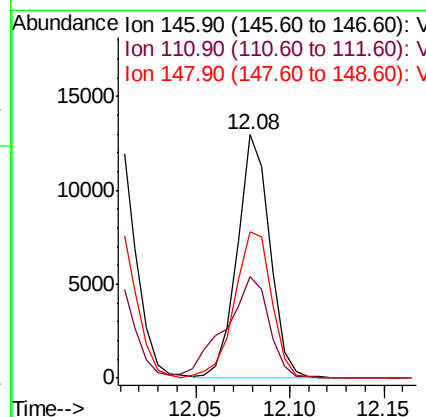
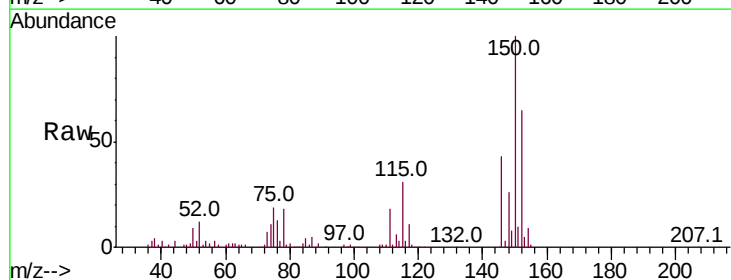
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

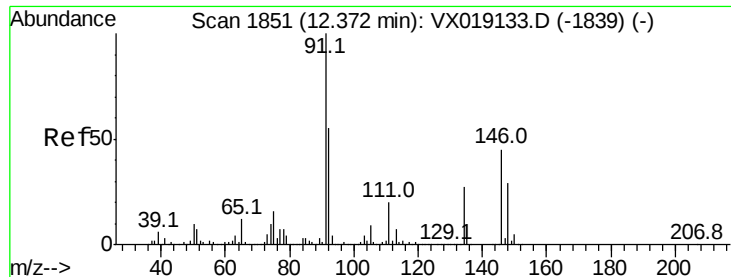
Tot Ion:146 Resp: 15504
 Ion Ratio Lower Upper
 146 100
 111 41.3 20.4 61.2
 148 62.7 31.6 94.8



#88
 1,4-Dichlorobenzene
 Concen: 2.310 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion:146 Resp: 15580
 Ion Ratio Lower Upper
 146 100
 111 56.4 20.2 60.5
 148 68.3 31.3 93.8

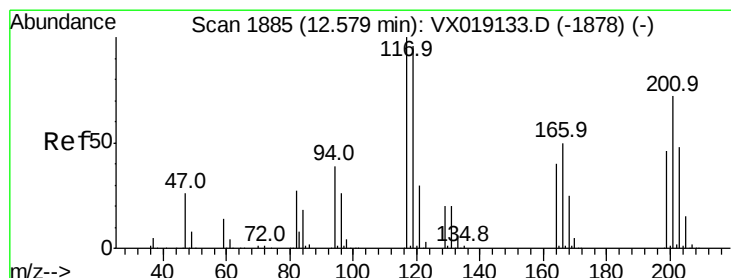
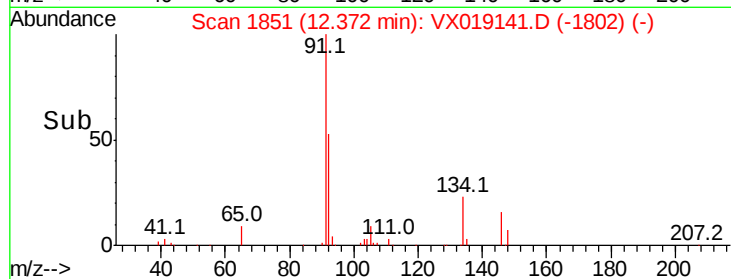
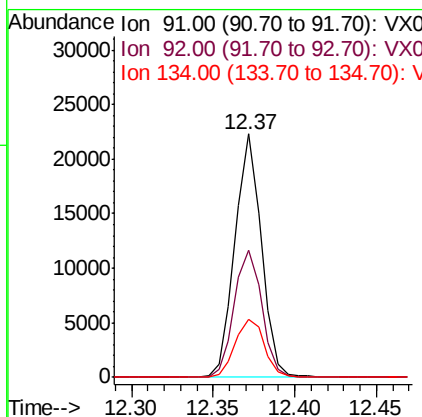
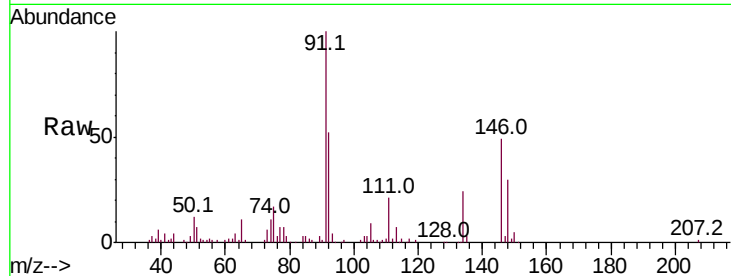




#89
n-Butylbenzene
Concen: 2.140 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

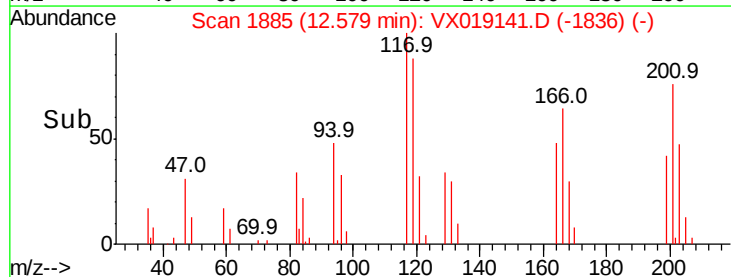
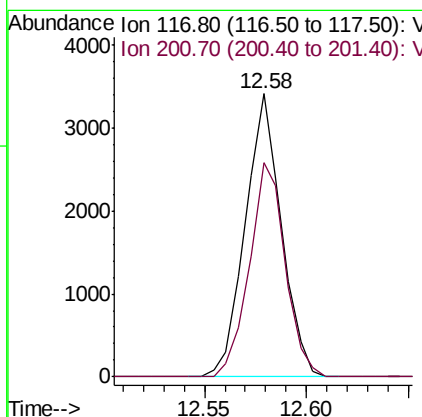
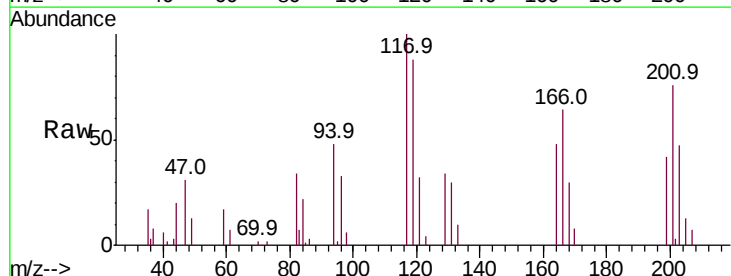
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT4-2020

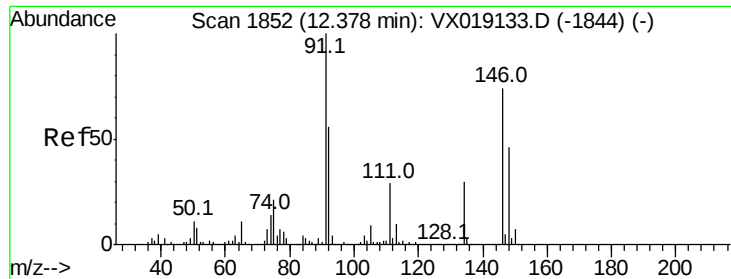
Tot Ion: 91 Resp: 25246
Ion Ratio Lower Upper
91 100
92 54.5 27.5 82.4
134 26.2 13.2 39.6



#90
Hexachloroethane
Concen: 1.967 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VX019141.D
Acq: 27 Oct 2020 17:11

Tgt Ion: 117 Resp: 4196
Ion Ratio Lower Upper
117 100
201 75.2 38.5 115.3

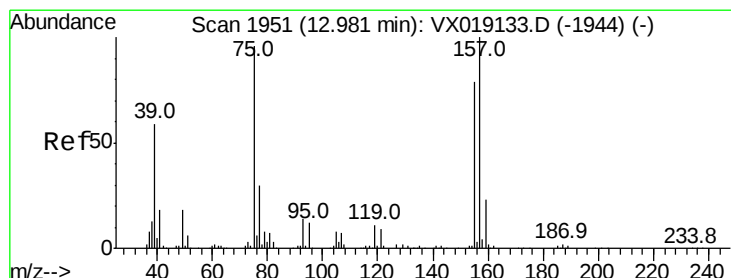
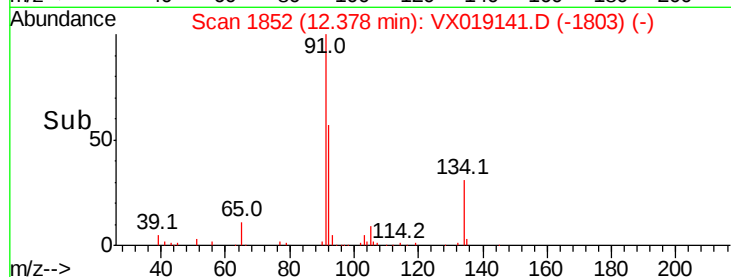
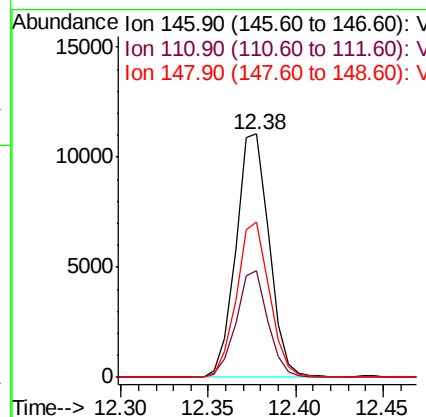
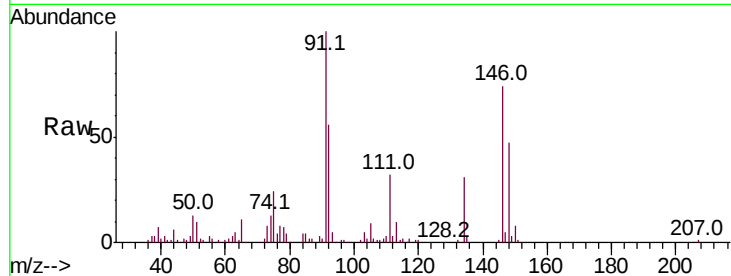




#91
 1,2-Dichlorobenzene
 Concen: 2.347 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

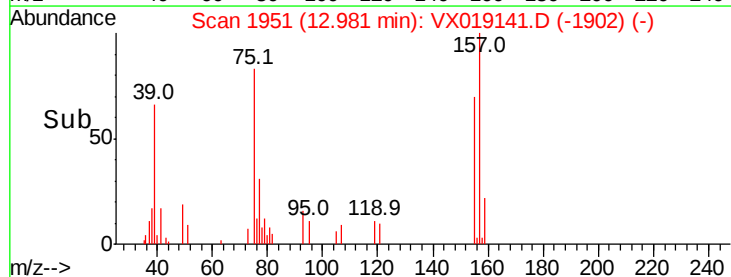
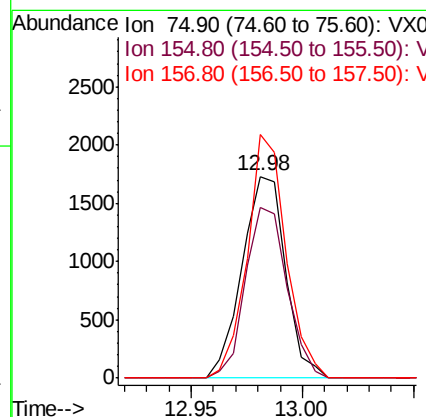
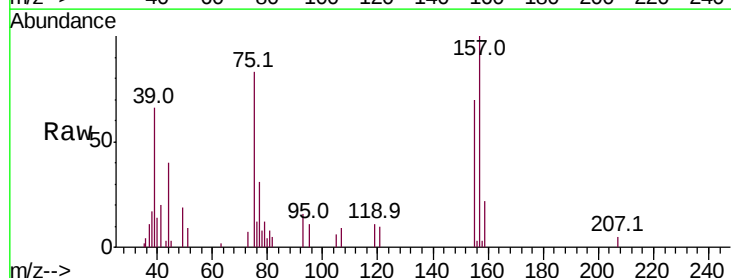
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

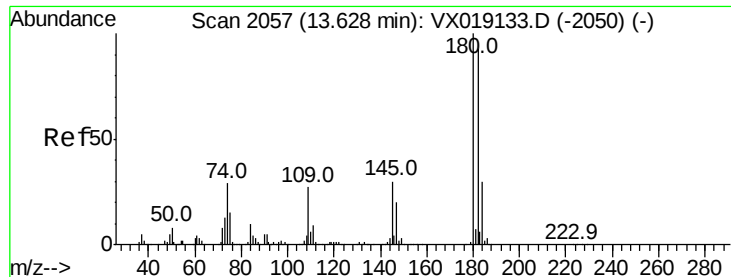
Tot Ion:146 Resp: 14601
 Ion Ratio Lower Upper
 146 100
 111 42.0 21.2 63.6
 148 63.2 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.192 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion: 75 Resp: 2351
 Ion Ratio Lower Upper
 75 100
 155 81.4 42.8 128.4
 157 108.0 54.8 164.4

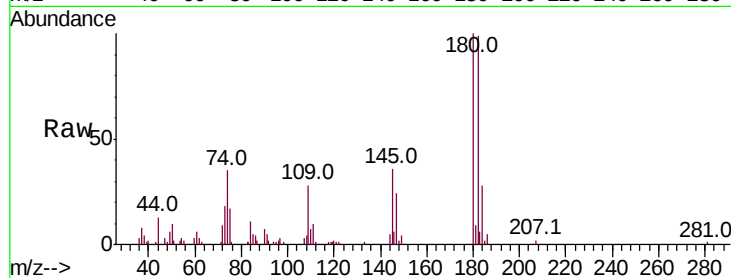




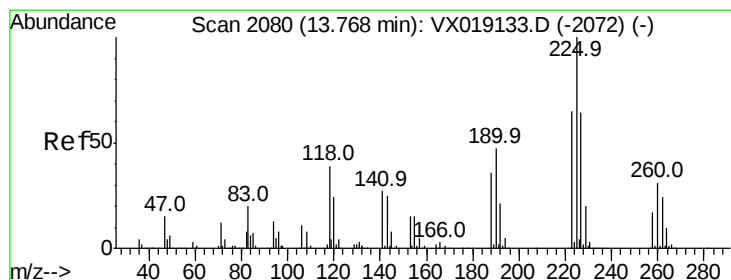
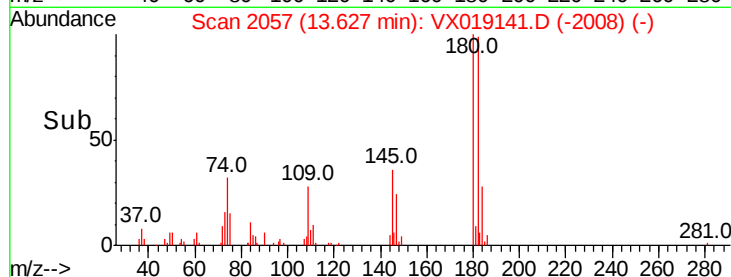
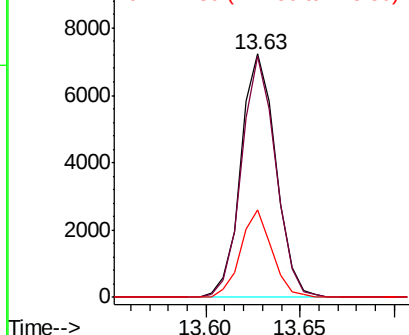
#93
 1,2,4-Trichlorobenzene
 Concen: 1.996 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. -0.00 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2020

Tot Ion:180 Resp: 9327
 Ion Ratio Lower Upper
 180 100
 182 96.0 46.8 140.3
 145 32.1 15.5 46.5

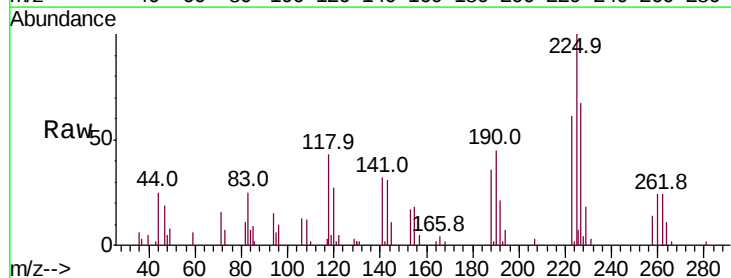


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

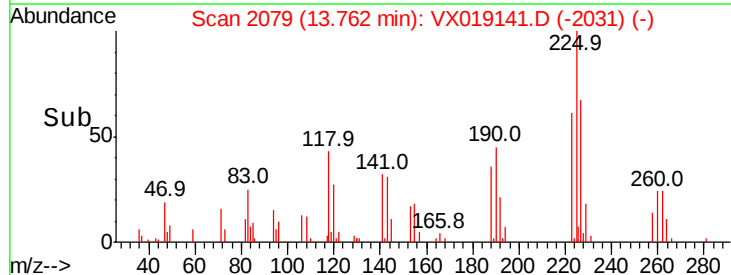
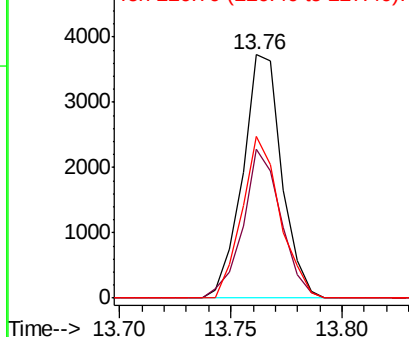


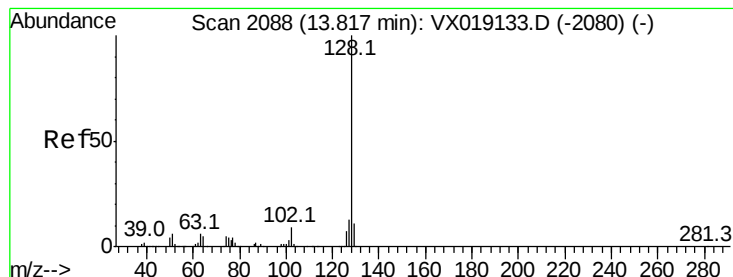
#94
 Hexachlorobutadiene
 Concen: 2.227 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX019141.D
 Acq: 27 Oct 2020 17:11

Tgt Ion:225 Resp: 4581
 Ion Ratio Lower Upper
 225 100
 223 59.2 32.4 97.2
 227 64.5 31.6 94.7



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: 2.045 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT4-2020

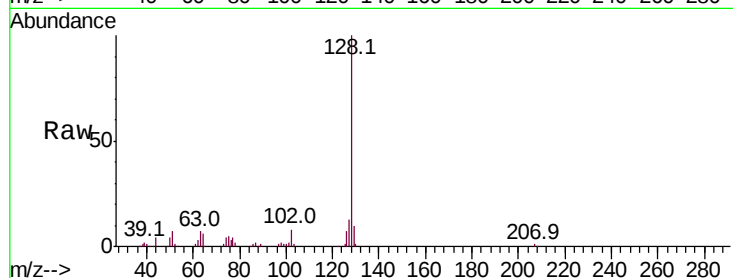
Tot Ion:128 Resp: 30104

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

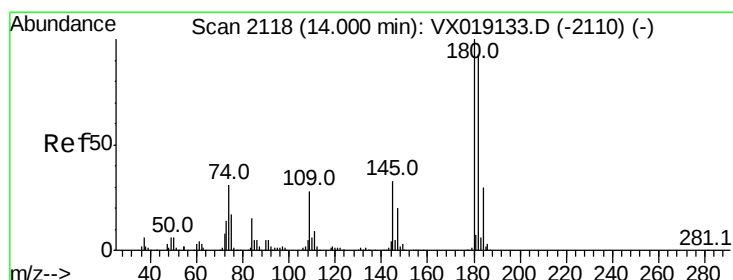
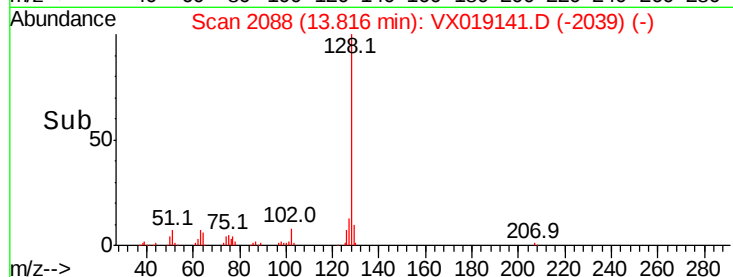
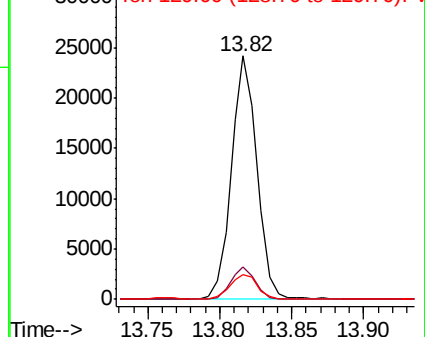
129 10.8 8.6 13.0



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: 2.123 ug/l

RT: 14.00 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VX019141.D

Acq: 27 Oct 2020 17:11

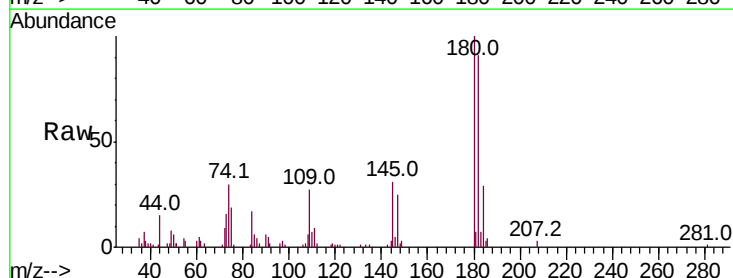
Tgt Ion:180 Resp: 9626

Ion Ratio Lower Upper

180 100

182 94.2 47.8 143.3

145 31.9 16.5 49.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

