

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\
 Data File : VX016009.D
 Acq On : 01 May 2020 14:23
 Operator : JC/SP
 Sample : L2182-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

Quant Time: May 02 06:52:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X043020W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Apr 30 12:42:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	4.98	128	49660	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.83	114	274727	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	248457	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.03	65	114851	30.09	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.30%
60) 4-Bromofluorobenzene	11.12	95	120433	28.90	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.33%
63) Toluene-d8	8.70	98	326262	30.61	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.03%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	5876	1.718	ug/l 98
3) Chloromethane	1.31	50	7634	2.278	ug/l 96
4) Vinyl Chloride	1.39	62	9309	2.445	ug/l 98
5) Bromomethane	1.63	94	6608	2.831	ug/l 95
6) Chloroethane	1.72	64	5961	2.388	ug/l 95
7) Trichlorofluoromethane	1.92	101	12398	2.273	ug/l 100
8) Diethyl Ether	2.17	74	5701	2.619	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7286	2.587	ug/l 97
10) 1,1-Dichloroethene	2.36	96	7440	2.618	ug/l 93
11) Methyl Iodide	2.49	142	9102	2.346	ug/l 92
12) Methyl Acetate	2.75	43	11714	2.361	ug/l 98
13) Acrolein	2.27	56	5587	14.047	ug/l 97
14) Acrylonitrile	3.12	53	23567	12.860	ug/l 99
15) Acetone	2.42	58	7114	14.668	ug/l 87
16) Carbon Disulfide	2.55	76	24601	2.846	ug/l 96
17) Allyl chloride	2.71	41	12941	2.455	ug/l 94
18) Methylene Chloride	2.84	84	8732	2.743	ug/l 94
19) trans-1,2-Dichloroethene	3.14	96	8206	2.640	ug/l 94
20) Diisopropyl ether	3.83	45	24893	2.449	ug/l 99
21) 1,1-Dichloroethane	3.67	63	14300	2.523	ug/l 97
22) cis-1,2-Dichloroethene	4.56	96	9247	2.622	ug/l 97
23) tert-Butyl Alcohol	3.01	59	11891	13.255	ug/l # 100
24) Methyl tert-Butyl Ether	3.17	73	25023	2.452	ug/l 99
25) Chloroform	5.18	83	14229	2.472	ug/l 94
26) Cyclohexane	5.55	56	12558	2.423	ug/l # 100
29) 1,1-Dichloropropene	5.77	75	10919	2.527	ug/l 98
30) 2-Butanone	4.64	43	32434	12.598	ug/l 97
31) 2,2-Dichloropropane	4.56	77	12919	2.484	ug/l # 88
32) 1,1,1-Trichloroethane	5.47	97	13238	2.526	ug/l 98
33) Carbon Tetrachloride	5.76	117	11170	2.393	ug/l 96
34) Benzene	6.12	78	31514	2.497	ug/l 98
35) Methacrylonitrile	5.00	41	6441	2.356	ug/l 96
36) 1,2-Dichloroethane	6.17	62	12331	2.558	ug/l # 87
37) Trichloroethene	7.19	130	11602	2.584	ug/l 99
38) Methylcyclohexane	7.44	83	12964	2.455	ug/l 99
39) 1,2-Dichloropropane	7.49	63	7859	2.426	ug/l 93
40) Dibromomethane	7.64	93	5732	2.548	ug/l 97

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	7.88	83	10660	2.299	ug/l	98
42) Vinyl Acetate	3.79	43	101833	11.955	ug/l	99
43) Ethyl Acetate	4.80	43	13055	2.571	ug/l #	87
44) Isopropyl Acetate	6.42	43	20262	2.459	ug/l	97
45) 1,4-Dioxane	7.72	88	4566	52.450	ug/l #	93
46) Methyl methacrylate	7.75	41	8776	2.246	ug/l	97
47) n-amyl Acetate	10.88	43	16205	2.249	ug/l	99
48) t-1,3-Dichloropropene	9.02	75	12662	2.351	ug/l	100
49) cis-1,3-Dichloropropene	8.42	75	13075	2.350	ug/l	96
50) 1,1,2-Trichloroethane	9.20	97	7674	2.421	ug/l	96
51) Ethyl methacrylate	9.16	69	11437	2.185	ug/l	95
52) 1,3-Dichloropropane	9.35	76	13118	2.394	ug/l	95
53) Dibromochloromethane	9.57	129	7983	2.213	ug/l	99
54) 1,2-Dibromoethane	9.65	107	8480	2.434	ug/l	95
55) 2-Chloroethyl vinyl ether	8.29	63	31038	10.899	ug/l	99
56) Bromoform	10.84	173	5449	2.005	ug/l	99
58) 4-Methyl-2-Pentanone	8.62	43	60328	12.313	ug/l	99
59) 2-Hexanone	9.48	43	46656	12.328	ug/l	100
61) Tetrachloroethene	9.32	164	13482	2.743	ug/l	94
62) Toluene	8.76	91	33189	2.500	ug/l	100
64) Chlorobenzene	10.12	112	21221	2.511	ug/l	98
65) 1,1,1,2-Tetrachloroethane	10.21	131	7184	2.239	ug/l	93
66) Ethyl Benzene	10.24	91	36207	2.395	ug/l	97
67) m/p-Xylenes	10.34	106	27173	4.719	ug/l	98
68) o-Xylene	10.68	106	13401	2.413	ug/l	98
69) Styrene	10.70	104	21544	2.267	ug/l	98
70) Isopropylbenzene	11.01	105	35960	2.399	ug/l	99
71) 1,1,2,2-Tetrachloroethane	11.26	83	5400	1.938	ug/l	95
72) 1,2,3-Trichloropropane	11.28	75	15356	3.402	ug/l	82
73) Bromobenzene	11.24	156	9106	2.410	ug/l	98
74) n-propylbenzene	11.35	91	41176	2.365	ug/l	99
75) 2-Chlorotoluene	11.40	91	24620	2.406	ug/l	99
76) 1,3,5-Trimethylbenzene	11.49	105	29085	2.286	ug/l	100
77) t-1,4-Dichloro-2-butene	11.06	75	4309	2.220	ug/l	94
78) 4-Chlorotoluene	11.49	91	28680	2.368	ug/l	98
79) tert-butylbenzene	11.76	119	25001	2.300	ug/l	97
80) 1,2,4-Trimethylbenzene	11.79	105	29398	2.312	ug/l	99
81) sec-Butylbenzene	11.93	105	33612	2.293	ug/l	99
82) p-Isopropyltoluene	12.05	119	30432	2.240	ug/l	99
83) 1,3-Dichlorobenzene	12.01	146	16566	2.432	ug/l	99
84) 1,4-Dichlorobenzene	12.08	146	16614	2.455	ug/l	99
85) n-Butylbenzene	12.37	91	27323	2.202	ug/l	99
86) Hexachloroethane	12.58	117	4721	1.974	ug/l	100
87) 1,2-Dichlorobenzene	12.38	146	15996	2.428	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	12.98	75	2903	2.489	ug/l	89
89) 1,2,4-Trichlorobenzene	13.63	180	11906	2.454	ug/l	99
90) Hexachlorobutadiene	13.77	225	5530	2.652	ug/l	99
91) Naphthalene	13.82	128	35898	2.324	ug/l	99
92) 1,2,3-Trichlorobenzene	14.01	180	11521	2.472	ug/l	95

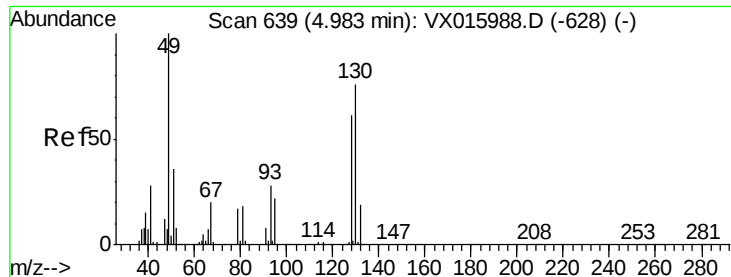
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Apr 30 12:42:44 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 4.98 min Scan# 639

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

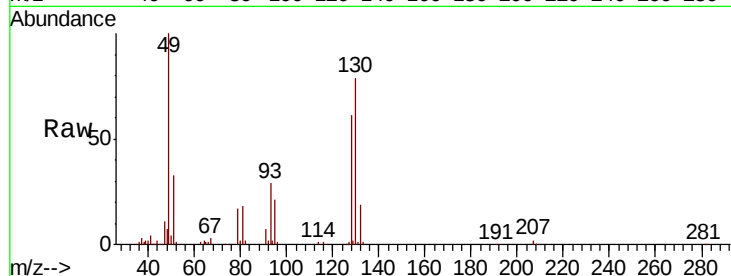
Tot Ion:128 Resp: 49660

Ion Ratio Lower Upper

128 100

49 161.4 0.0 418.5

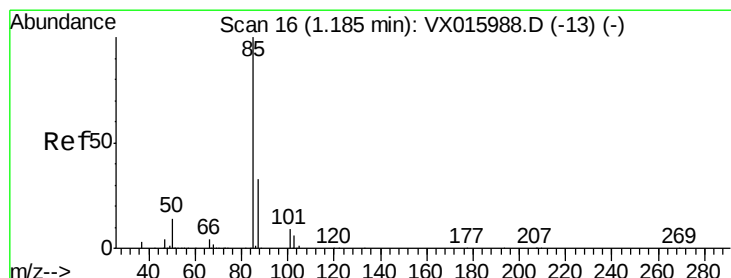
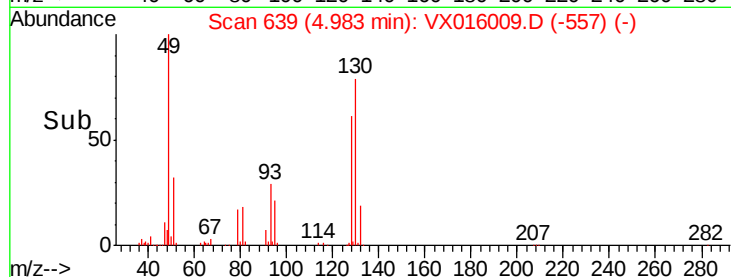
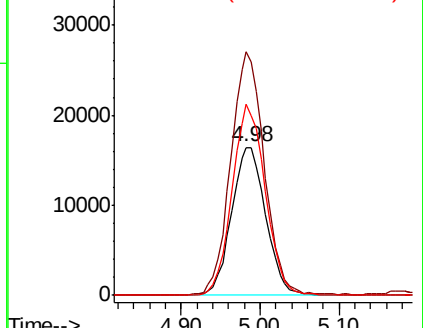
130 124.7 0.0 326.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 1.718 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX016009.D

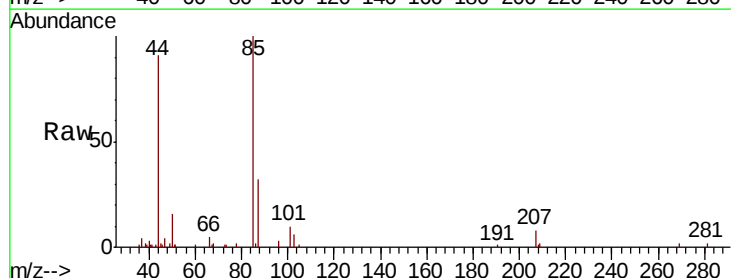
Acq: 01 May 2020 14:23

Tgt Ion: 85 Resp: 5876

Ion Ratio Lower Upper

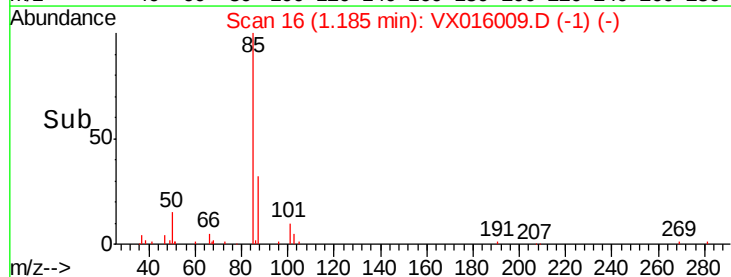
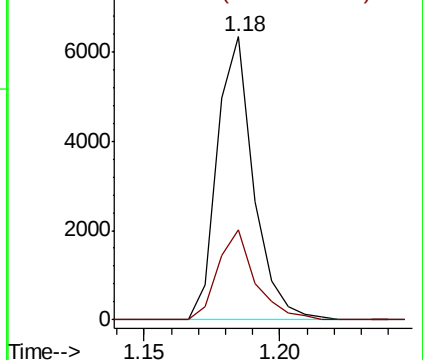
85 100

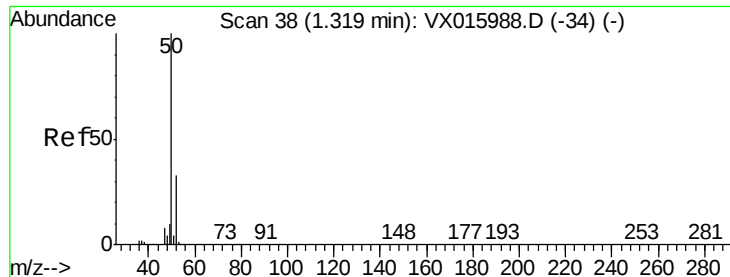
87 32.0 16.6 49.7



Abundance Ion 85.00 (84.70 to 85.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#3

Chloromethane

Concen: 2.278 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

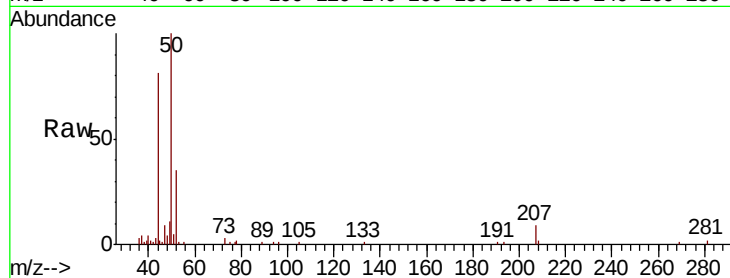
MDL-WATER-03-QT2-2020DL

Tot Ion: 50 Resp: 7634

Ion Ratio Lower Upper

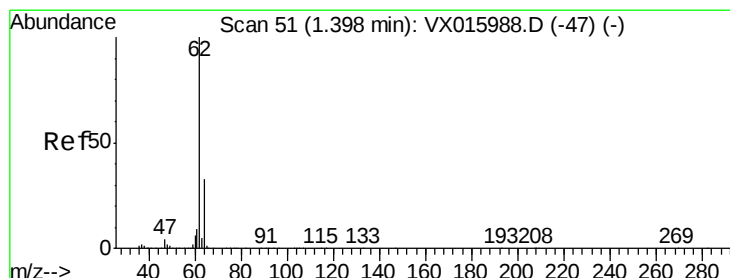
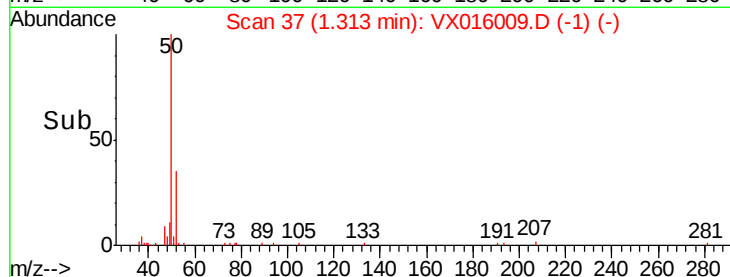
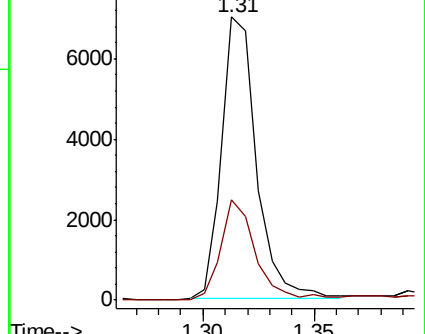
50 100

52 35.6 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



#4

Vinyl Chloride

Concen: 2.445 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.01 min

Lab File: VX016009.D

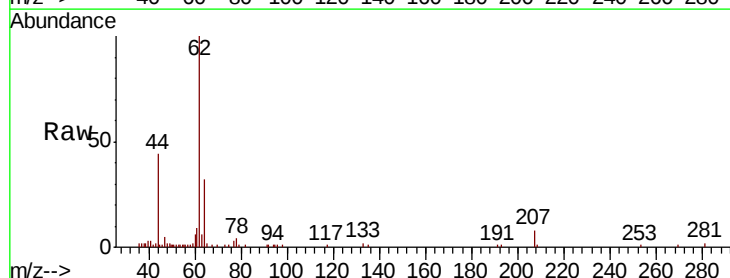
Acq: 01 May 2020 14:23

Tgt Ion: 62 Resp: 9309

Ion Ratio Lower Upper

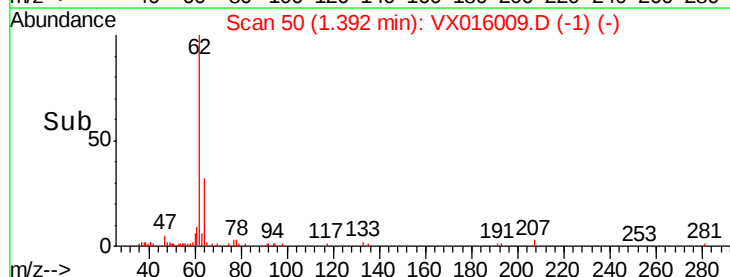
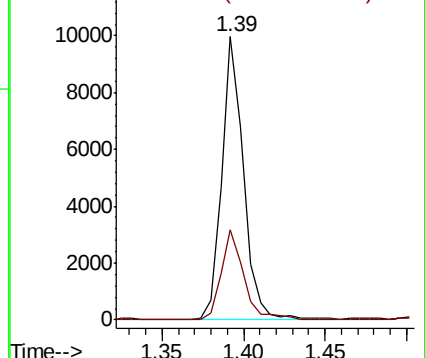
62 100

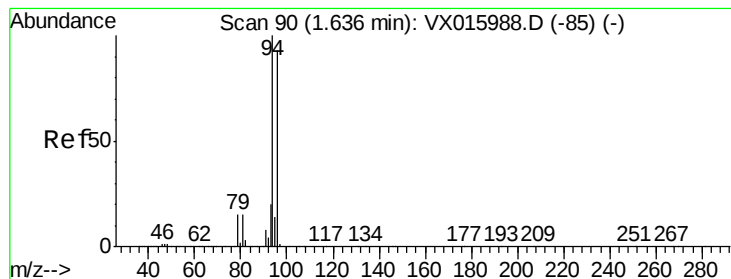
64 31.7 26.3 39.5



Abundance Ion 62.00 (61.70 to 62.70): VX0

Ion 64.00 (63.70 to 64.70): VX0





#5

Bromomethane

Concen: 2.831 ug/l

RT: 1.63 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

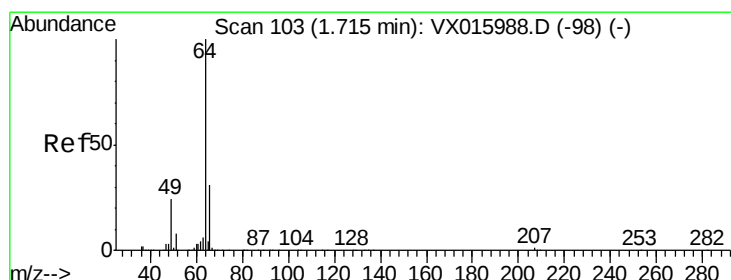
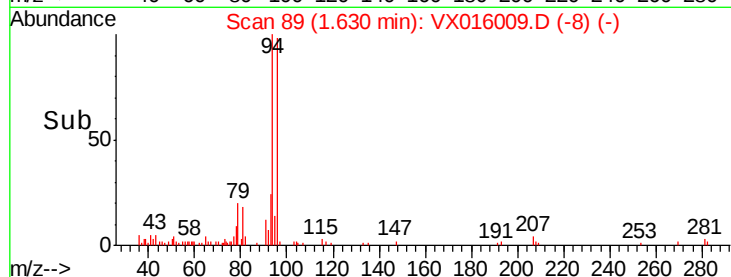
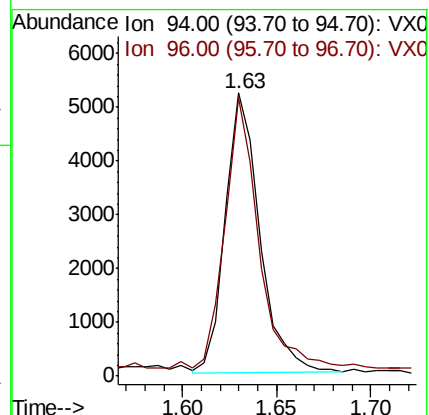
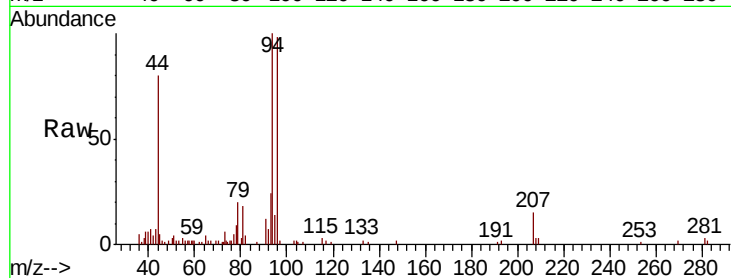
MDL-WATER-03-QT2-2020DL

Tot Ion: 94 Resp: 6608

Ion Ratio Lower Upper

94 100

96 97.0 74.2 111.2



#6

Chloroethane

Concen: 2.388 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.00 min

Lab File: VX016009.D

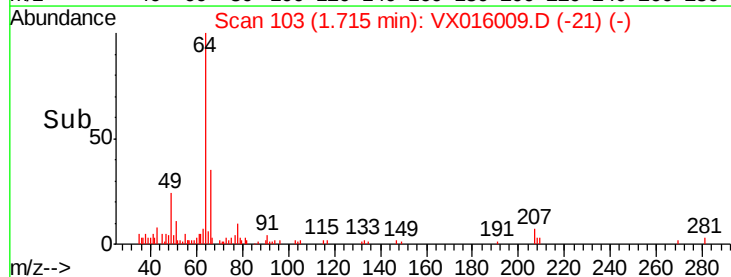
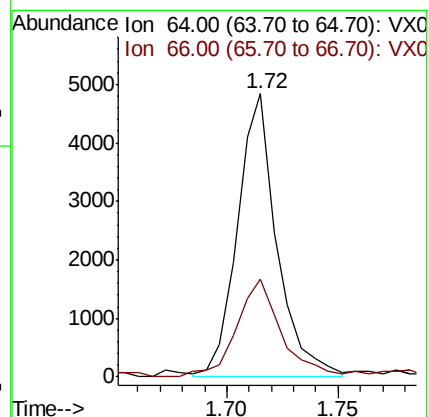
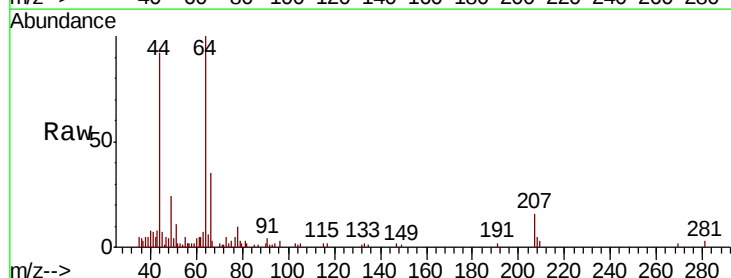
Acq: 01 May 2020 14:23

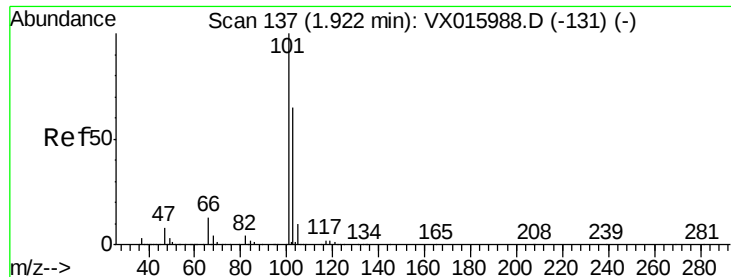
Tgt Ion: 64 Resp: 5961

Ion Ratio Lower Upper

64 100

66 33.7 24.9 37.3



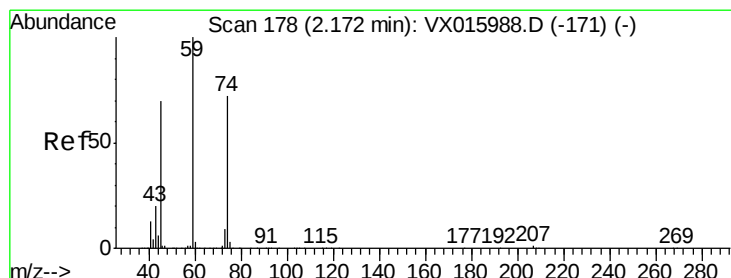
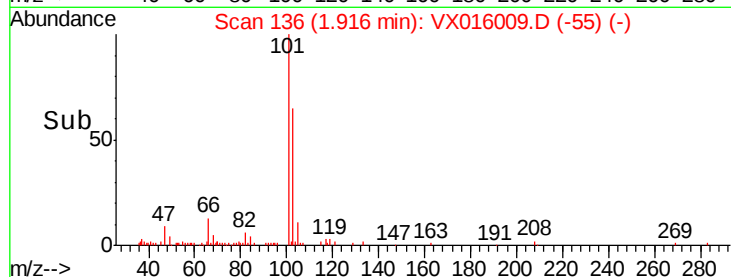
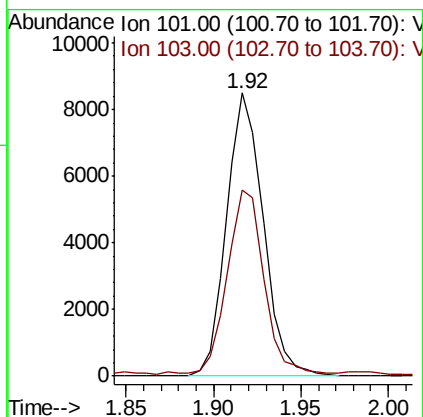
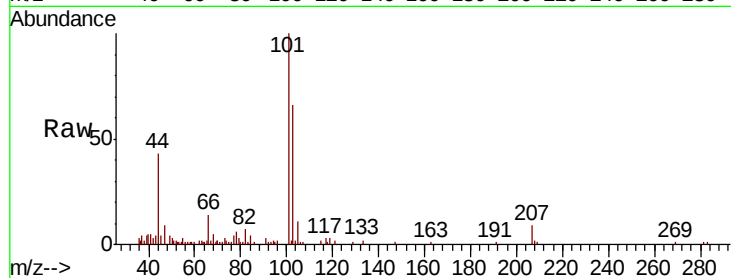


#7

Trichlorofluoromethane
Concen: 2.273 ug/l
RT: 1.92 min Scan# 136
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

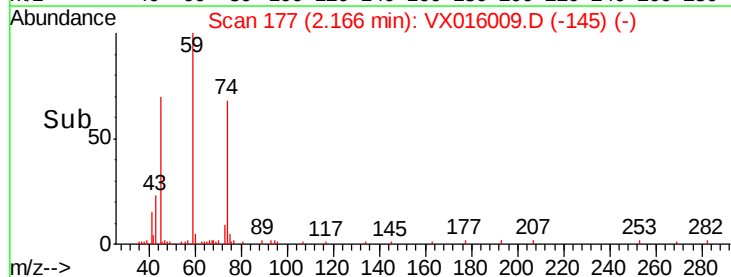
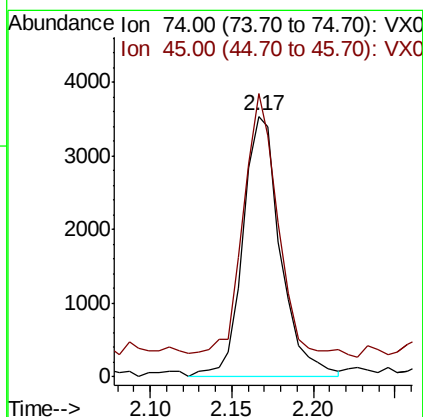
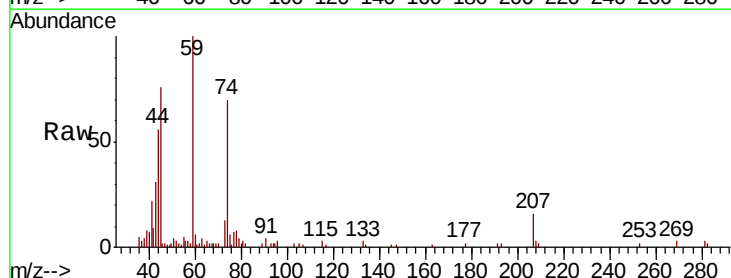
Tot Ion:101 Resp: 12398
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.8

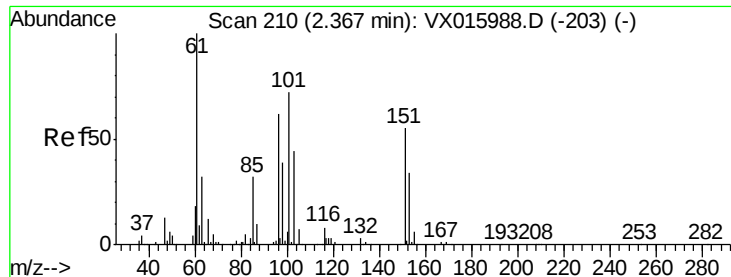


#8

Diethyl Ether
Concen: 2.619 ug/l
RT: 2.17 min Scan# 177
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 74 Resp: 5701
Ion Ratio Lower Upper
74 100
45 91.2 19.4 174.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.587 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

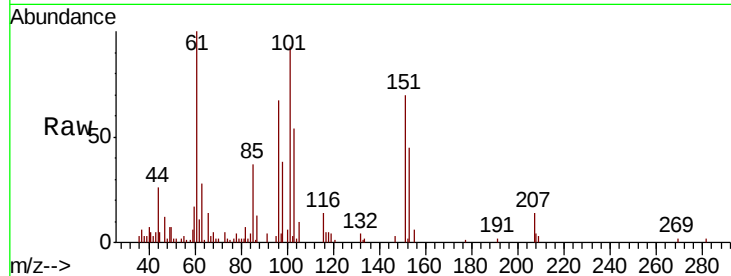
Tot Ion:101 Resp: 7286

Ion Ratio Lower Upper

101 100

85 44.5 0.0 90.6

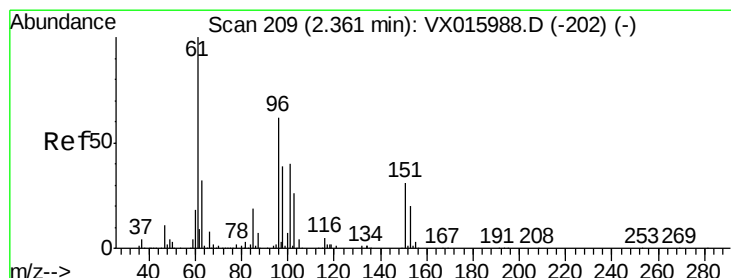
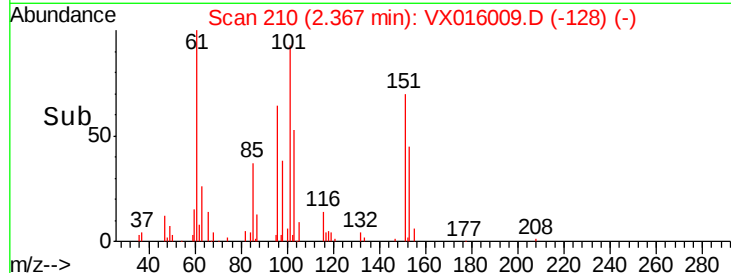
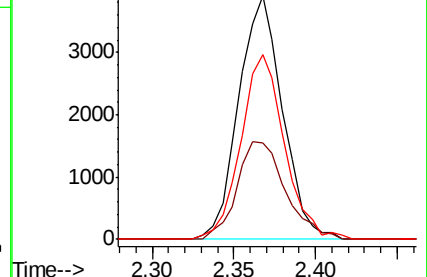
151 74.8 0.0 157.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VX0

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 2.618 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

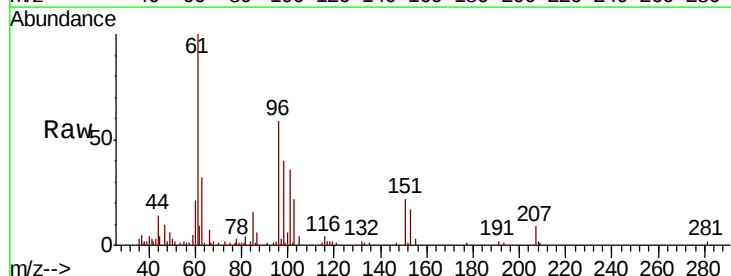
Tgt Ion: 96 Resp: 7440

Ion Ratio Lower Upper

96 100

61 173.0 129.8 194.8

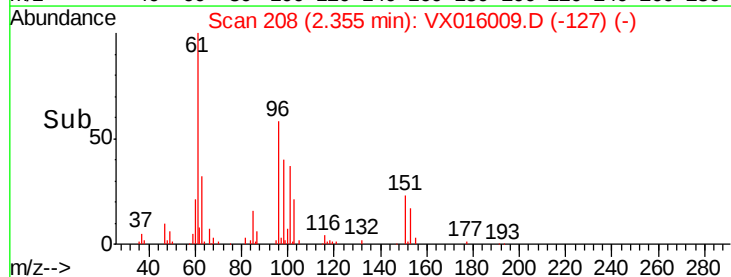
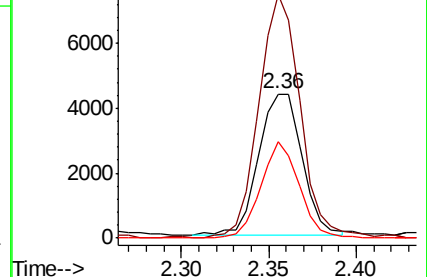
98 68.5 51.1 76.7

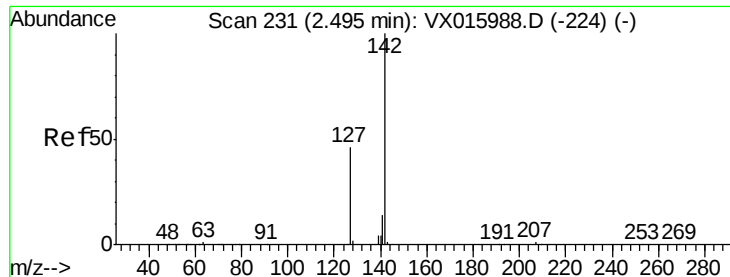


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

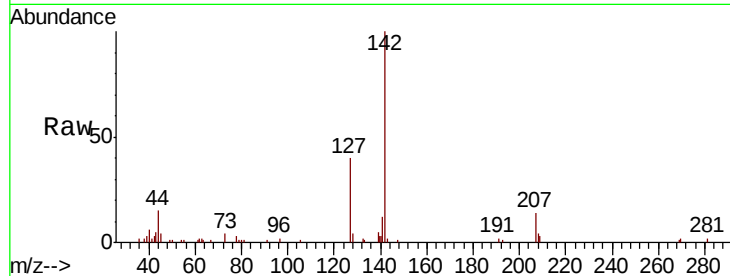




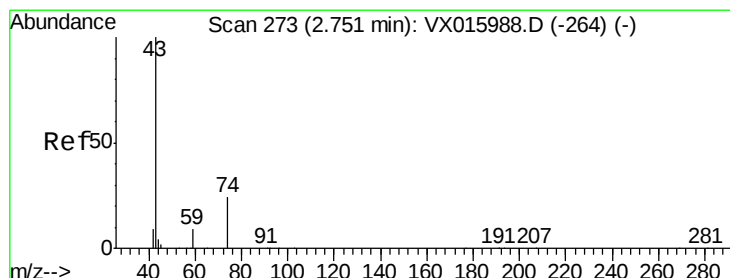
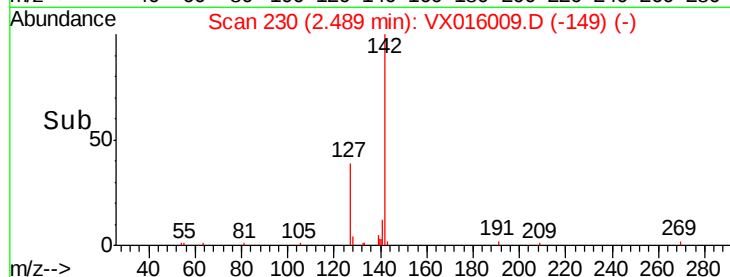
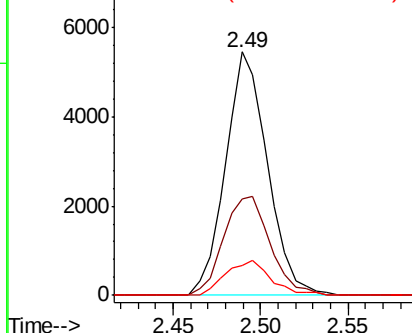
#11
Methvl Iodide
Concen: 2.346 ug/l
RT: 2.49 min Scan# 230
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:142 Resp: 9102
Ion Ratio Lower Upper
142 100
127 39.6 22.8 68.4
141 12.2 7.0 21.1

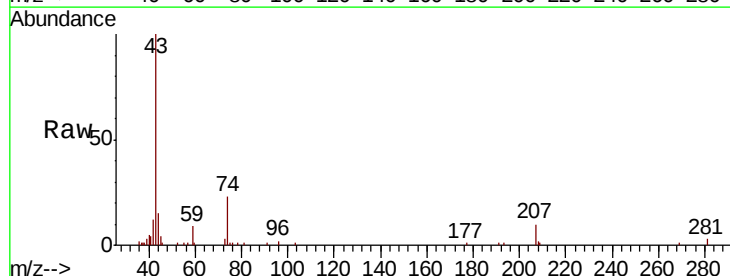


Abundance Ion 142.00 (141.70 to 142.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 141.00 (140.70 to 141.70): V

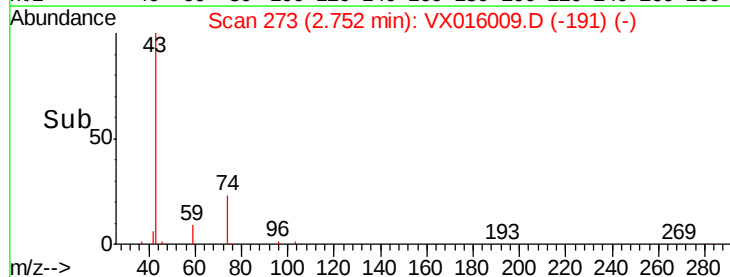
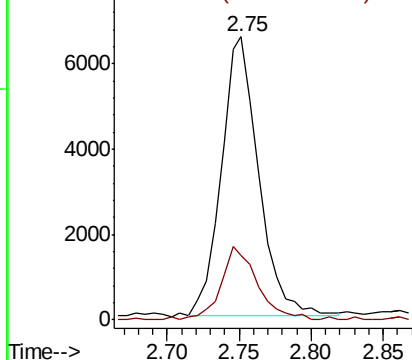


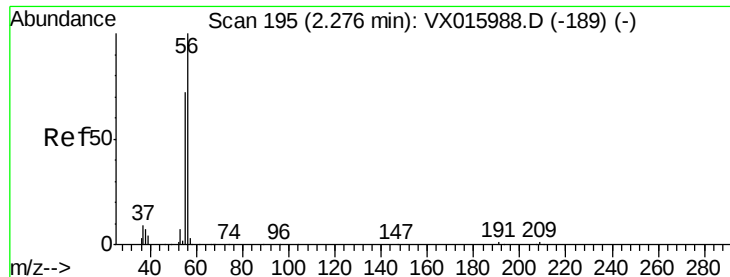
#12
Methyl Acetate
Concen: 2.361 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 43 Resp: 11714
Ion Ratio Lower Upper
43 100
74 22.5 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 74.00 (73.70 to 74.70): VX0





#13

Acrolein

Concen: 14.047 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

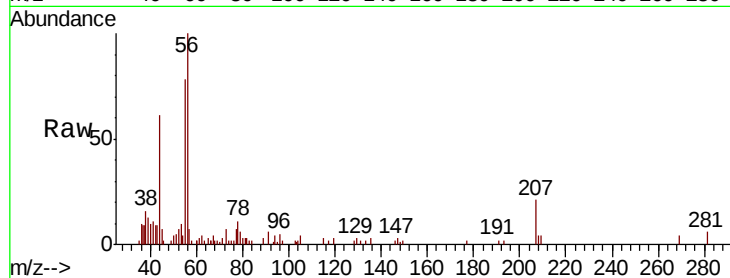
MDL-WATER-03-QT2-2020DL

Tot Ion: 56 Resp: 5587

Ion Ratio Lower Upper

56 100

55 73.0 56.2 84.4



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.27

4000

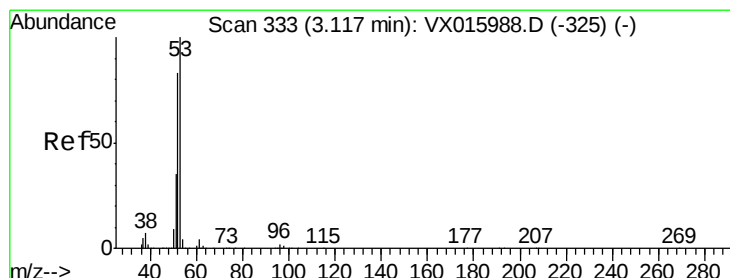
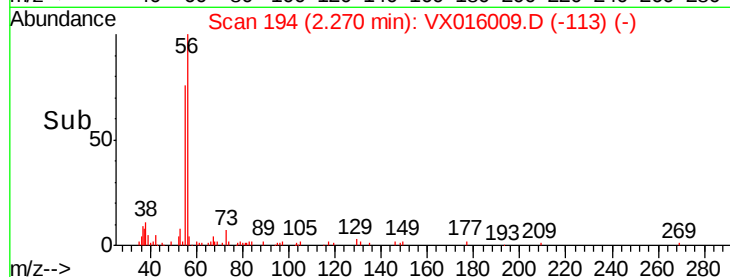
3000

2000

1000

0

Time--> 2.20 2.25 2.30



#14

Acrylonitrile

Concen: 12.860 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

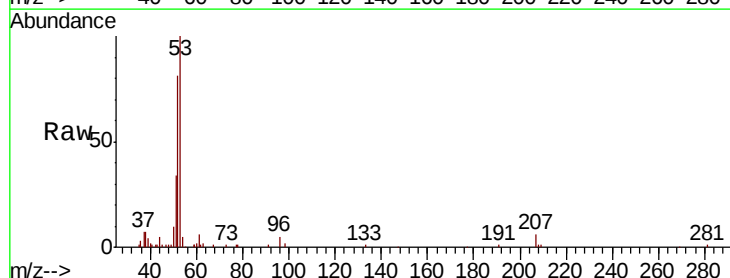
Tgt Ion: 53 Resp: 23567

Ion Ratio Lower Upper

53 100

52 80.7 41.2 123.6

51 35.9 17.8 53.5



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0

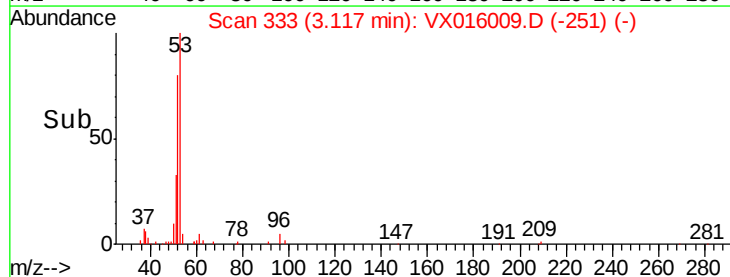
15000

10000

5000

0

Time--> 3.05 3.10 3.15 3.20





#15

Acetone

Concen: 14.668 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

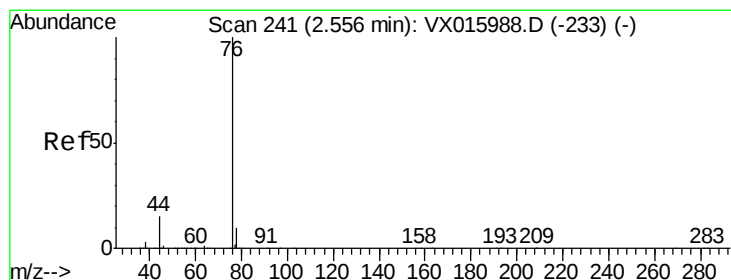
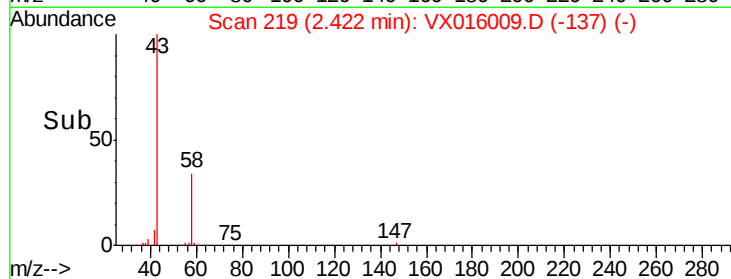
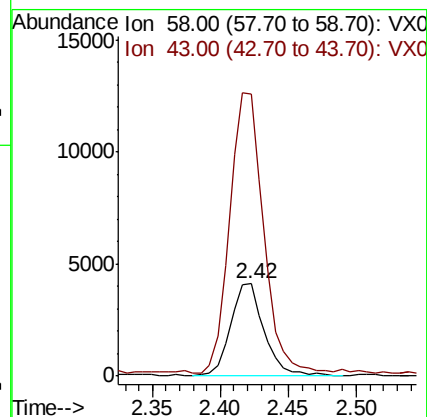
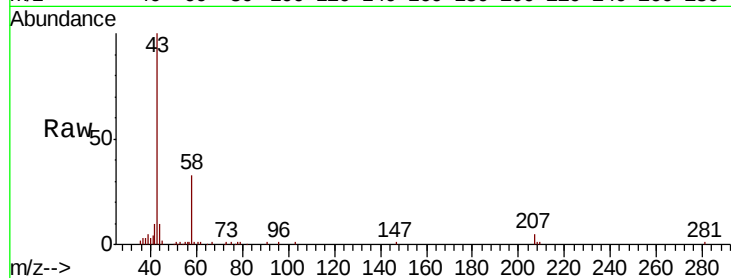
MDL-WATER-03-QT2-2020DL

Tot Ion: 58 Resp: 7114

Ion Ratio Lower Upper

58 100

43 302.3 264.2 396.2



#16

Carbon Disulfide

Concen: 2.846 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.01 min

Lab File: VX016009.D

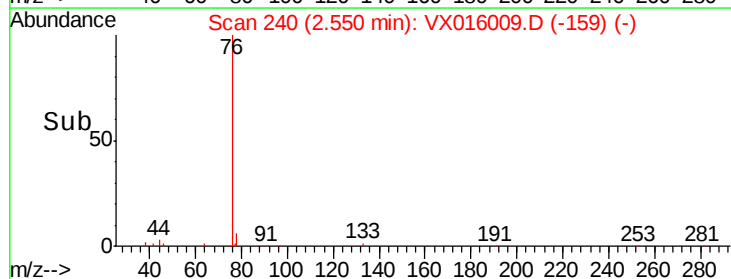
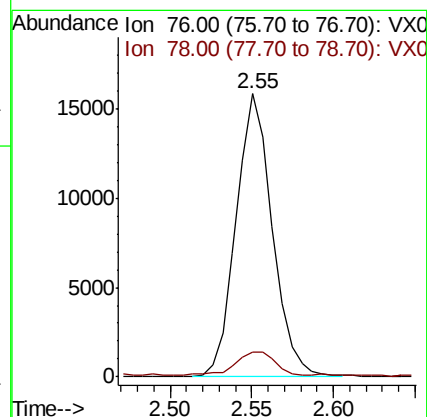
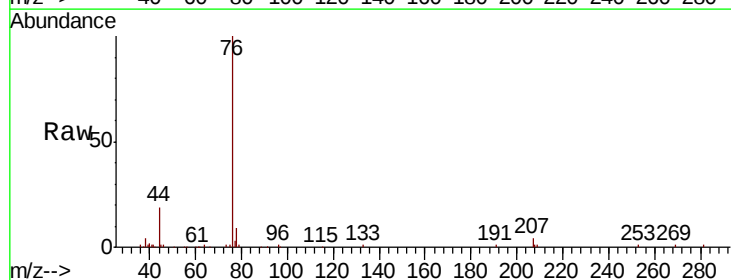
Acq: 01 May 2020 14:23

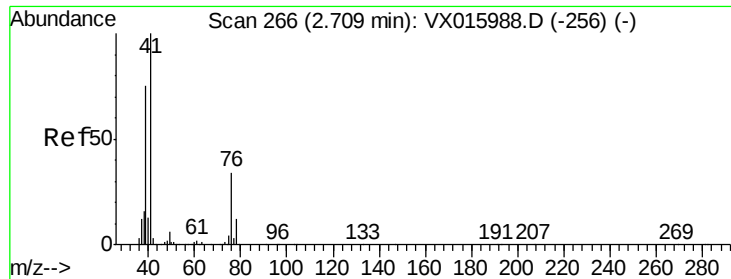
Tgt Ion: 76 Resp: 24601

Ion Ratio Lower Upper

76 100

78 8.0 7.7 11.5

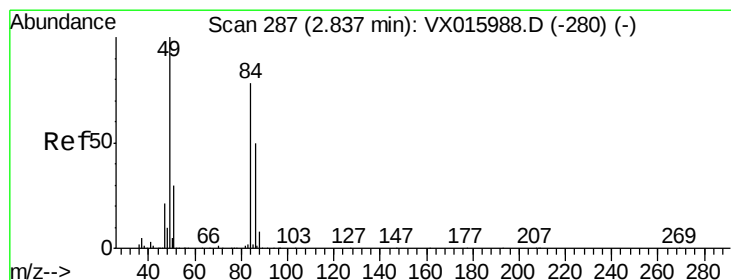
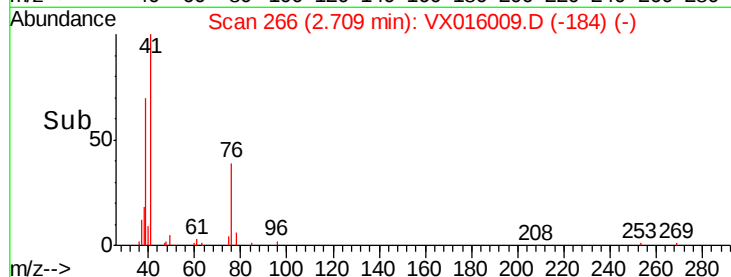
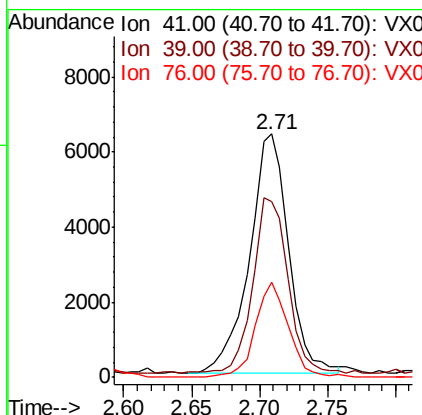
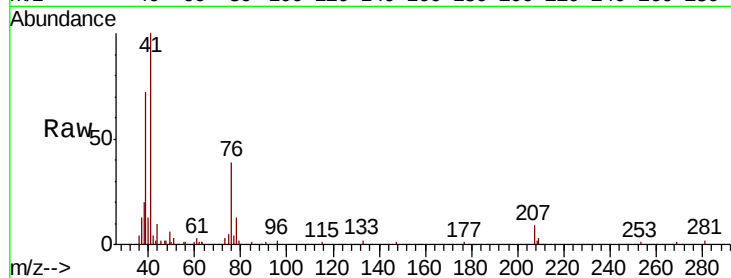




#17
Allvl chloride
Concen: 2.455 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

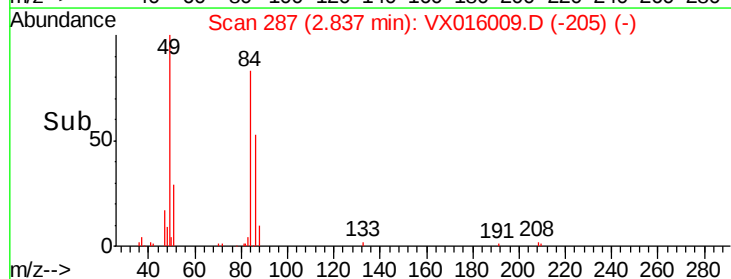
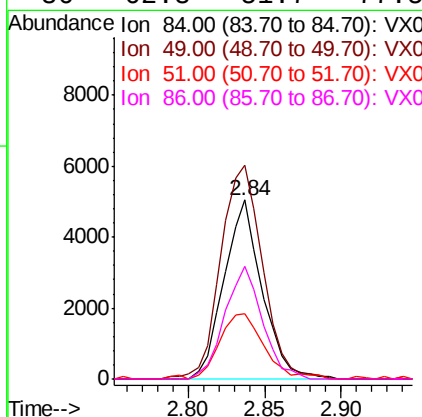
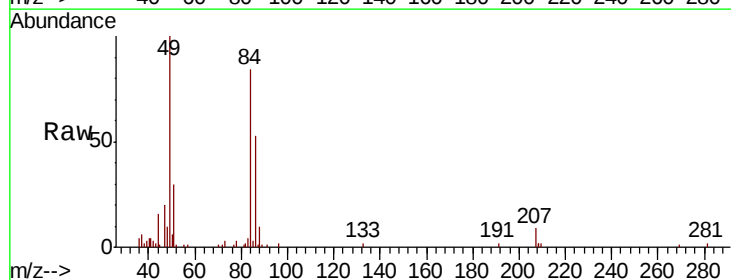
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

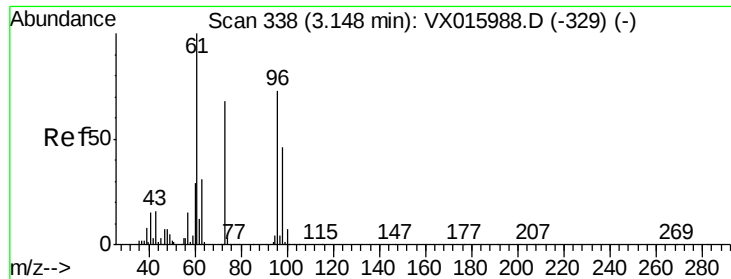
Tot Ion: 41 Resp: 12941
Ion Ratio Lower Upper
41 100
39 71.3 37.6 112.8
76 39.7 17.2 51.5



#18
Methylene Chloride
Concen: 2.743 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 84 Resp: 8732
Ion Ratio Lower Upper
84 100
49 119.2 103.0 154.4
51 36.3 31.4 47.0
86 62.8 51.7 77.5

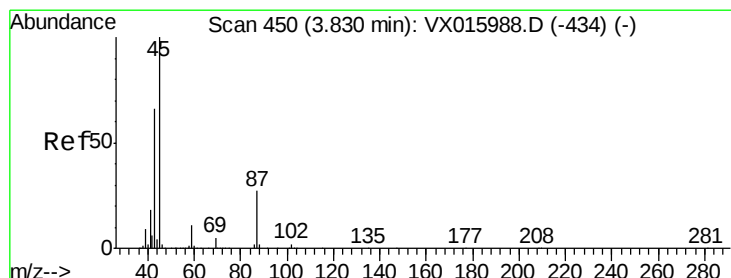
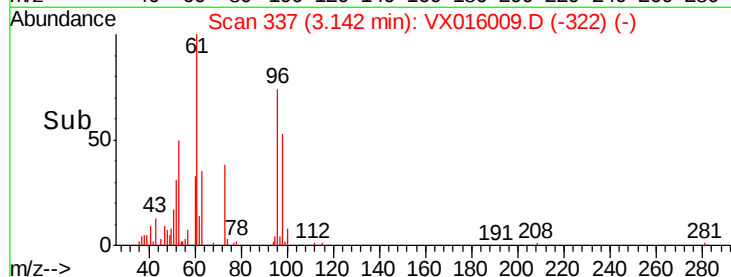
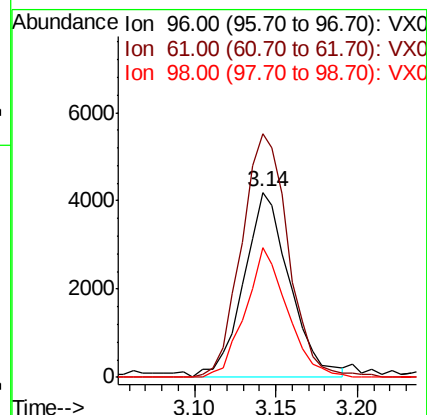
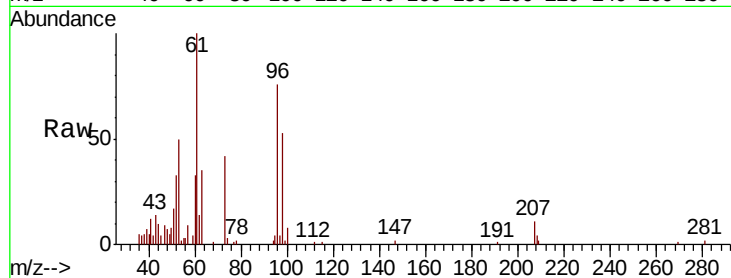




#19
trans-1,2-Dichloroethene
Concen: 2.640 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

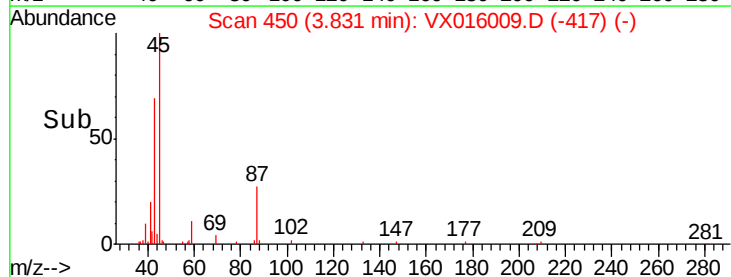
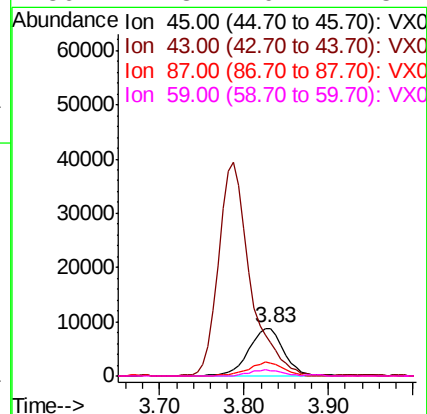
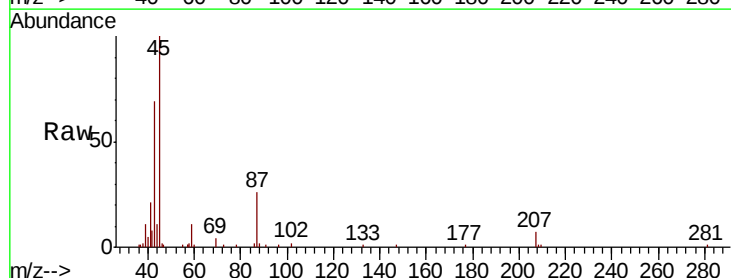
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

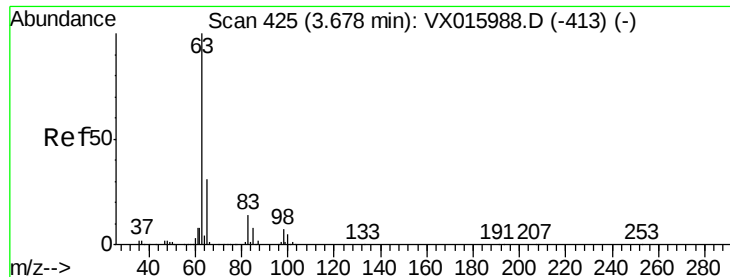
Tot Ion: 96 Resp: 8206
Ion Ratio Lower Upper
96 100
61 131.6 109.0 163.4
98 70.1 50.0 75.0



#20
Diisopropyl ether
Concen: 2.449 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 45 Resp: 24893
Ion Ratio Lower Upper
45 100
43 67.0 53.0 79.4
87 26.4 21.9 32.9
59 11.3 9.1 13.7





#21

1,1-Dichloroethane

Concen: 2.523 ug/l

RT: 3.67 min Scan# 424

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

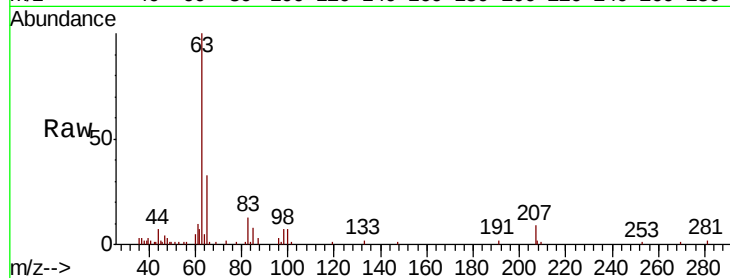
Tot Ion: 63 Resp: 14300

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

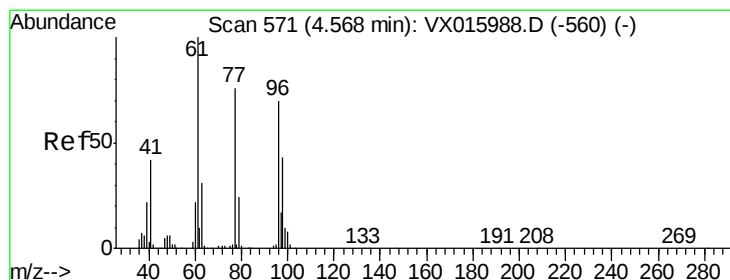
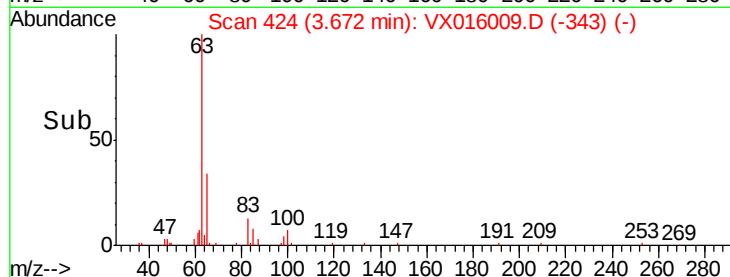
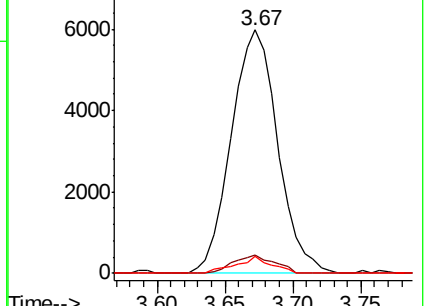
100 6.8 2.3 6.9



Abundance Ion 63.00 (62.70 to 63.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#22

cis-1,2-Dichloroethene

Concen: 2.622 ug/l

RT: 4.56 min Scan# 570

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

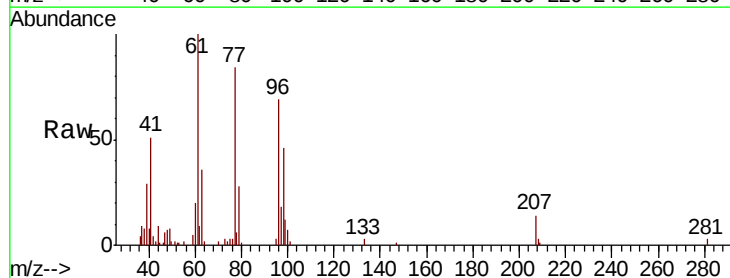
Tgt Ion: 96 Resp: 9247

Ion Ratio Lower Upper

96 100

61 146.3 121.6 182.4

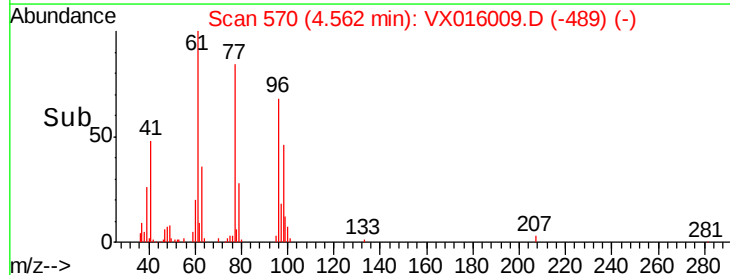
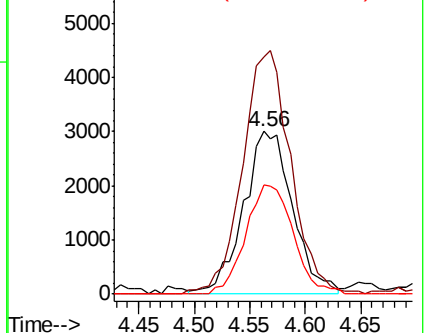
98 64.5 51.9 77.9

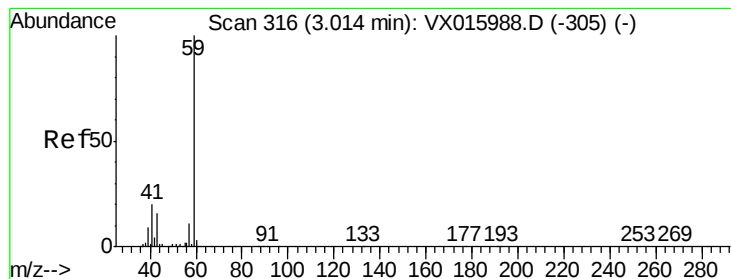


Abundance Ion 96.00 (95.70 to 96.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#23

tert-Butyl Alcohol

Concen: 13.255 ug/l

RT: 3.01 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

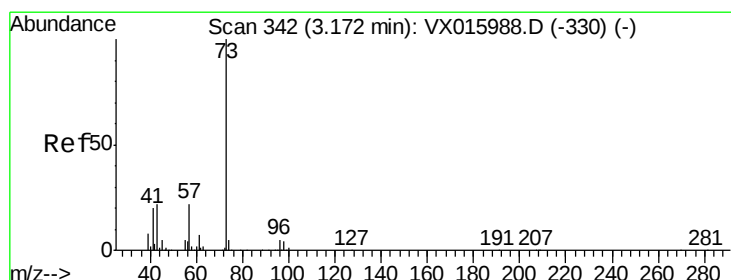
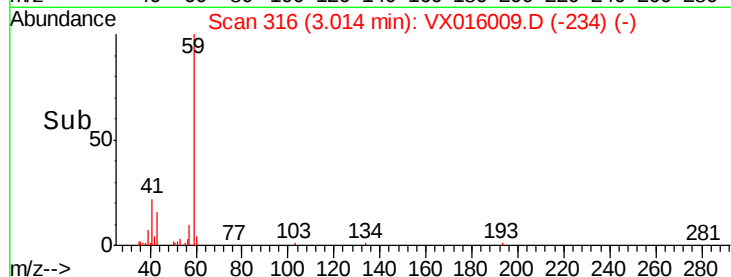
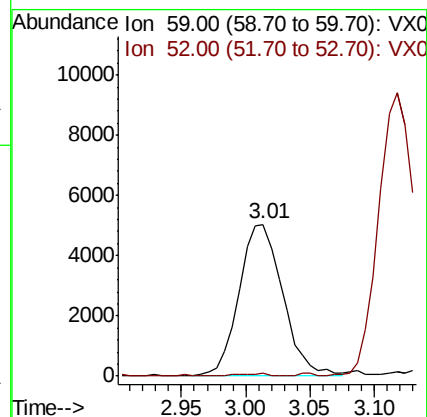
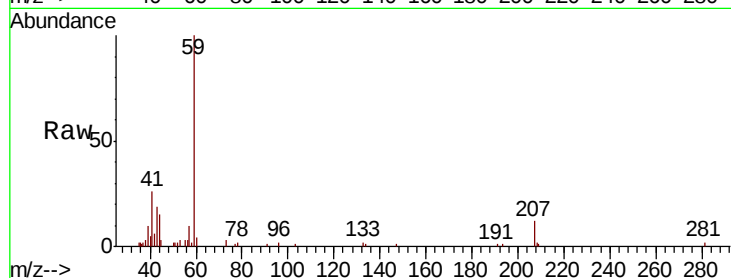
MDL-WATER-03-QT2-2020DL

Tot Ion: 59 Resp: 11891

Ion Ratio Lower Upper

59 100

52 0.5 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 2.452 ug/l

RT: 3.17 min Scan# 342

Delta R.T. 0.00 min

Lab File: VX016009.D

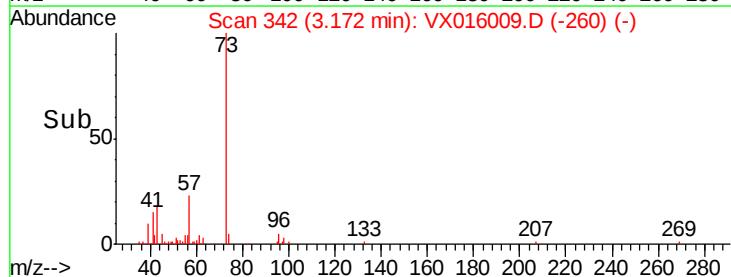
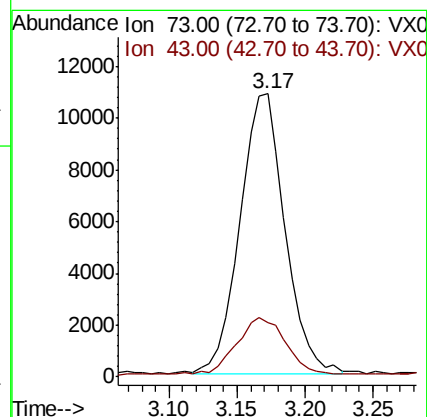
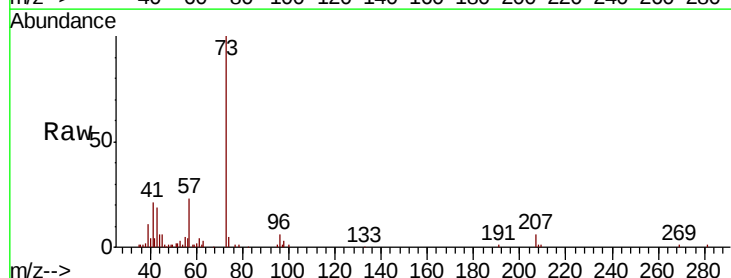
Acq: 01 May 2020 14:23

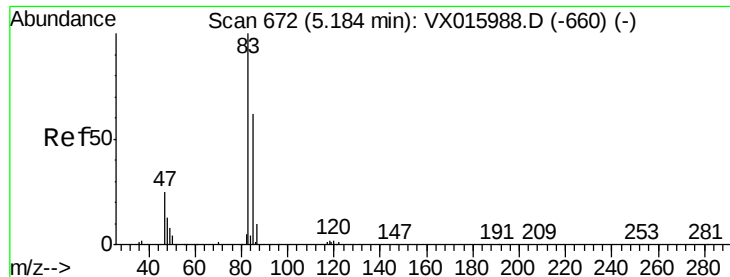
Tgt Ion: 73 Resp: 25023

Ion Ratio Lower Upper

73 100

43 21.7 17.8 26.6





#25

Chloroform

Concen: 2.472 ug/l

RT: 5.18 min Scan# 671

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

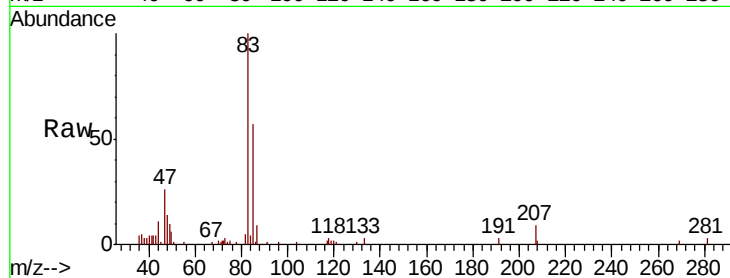
MDL-WATER-03-QT2-2020DL

Tot Ion: 83 Resp: 14229

Ion Ratio Lower Upper

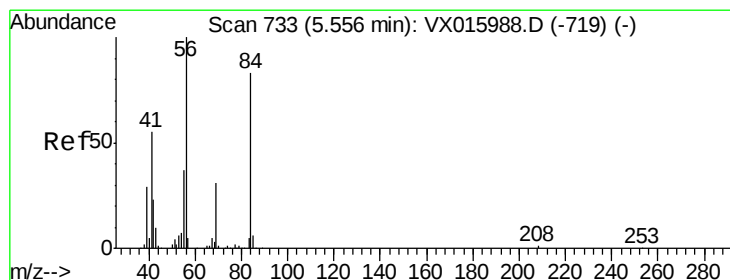
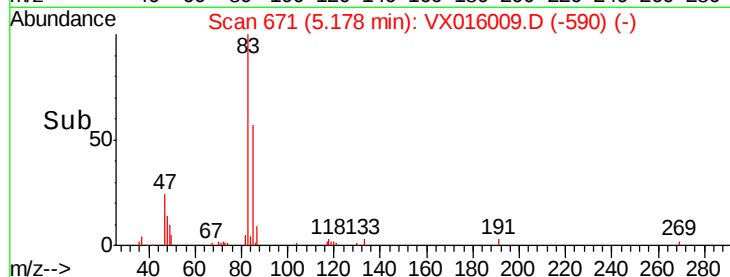
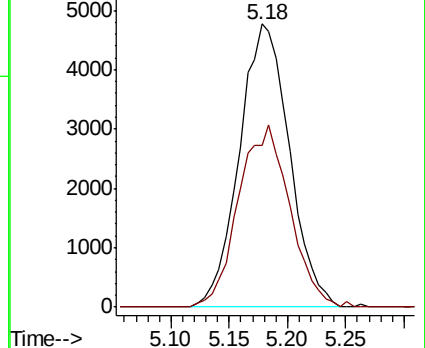
83 100

85 57.3 49.6 74.4



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0



#26

Cyclohexane

Concen: 2.423 ug/l

RT: 5.55 min Scan# 732

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

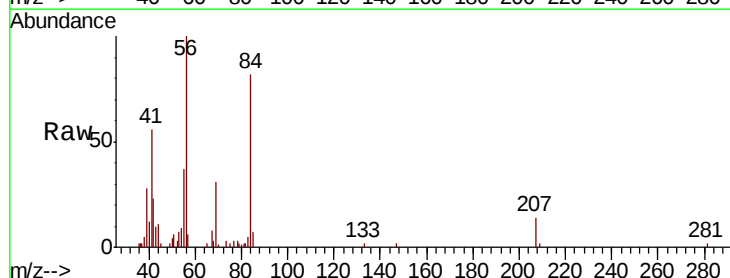
Tgt Ion: 56 Resp: 12558

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

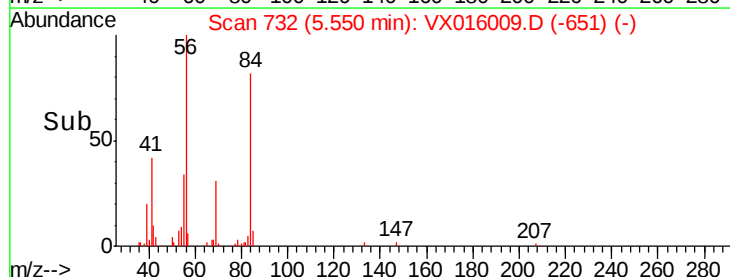
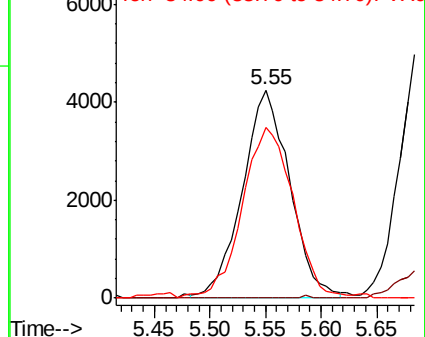
84 87.8 70.1 105.1

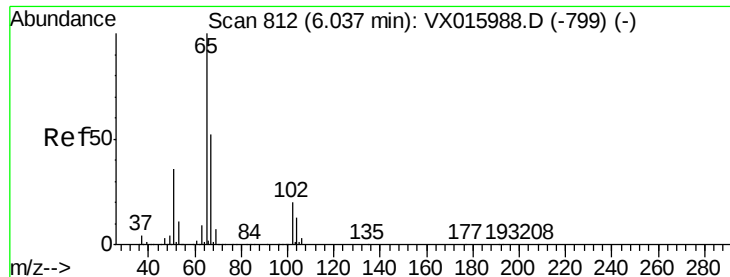


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#27

1,2-Dichloroethane-d4

Concen: 30.093 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

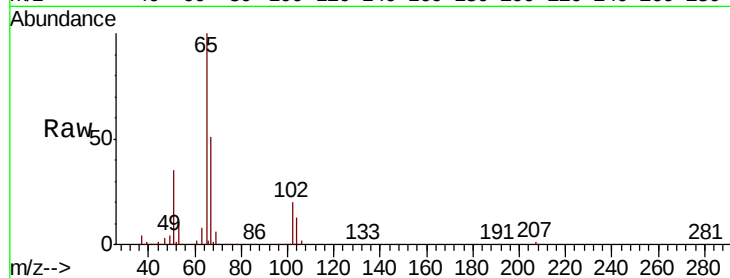
MDL-WATER-03-QT2-2020DL

Tot Ion: 65 Resp: 114851

Ion Ratio Lower Upper

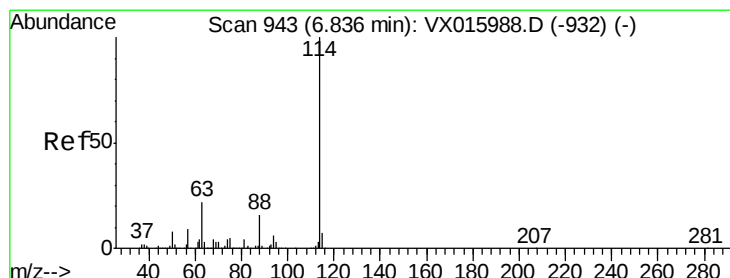
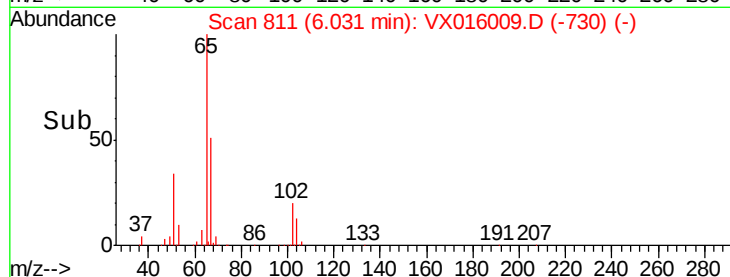
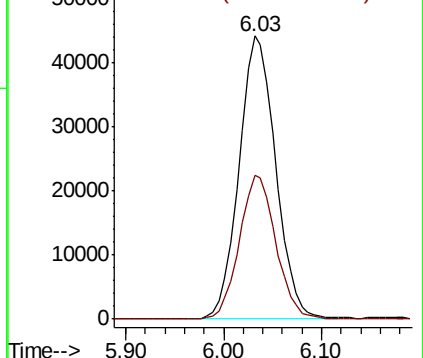
65 100

67 50.6 41.0 61.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

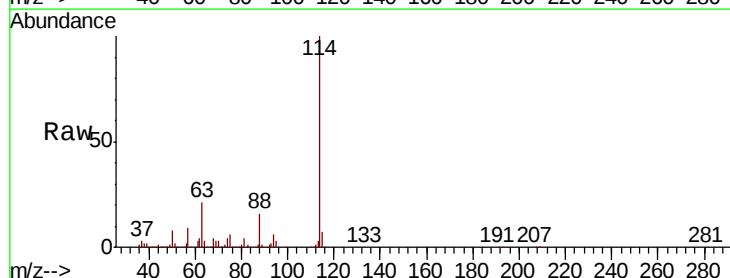
Tgt Ion: 114 Resp: 274727

Ion Ratio Lower Upper

114 100

63 21.3 17.1 25.7

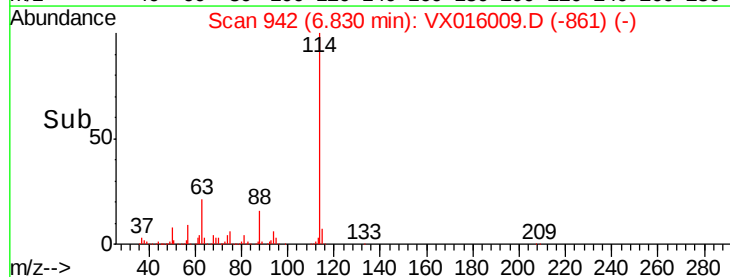
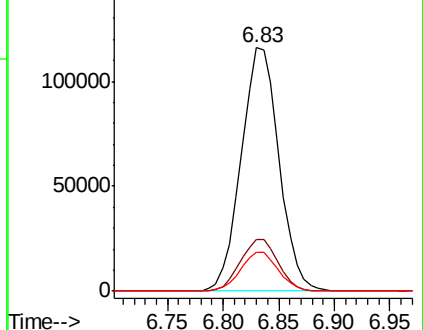
88 15.9 13.0 19.4

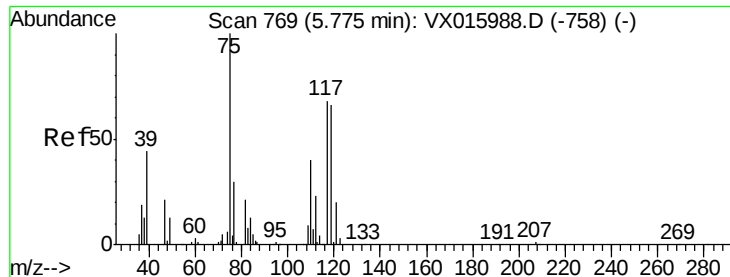


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0





#29

1,1-Dichloropropene

Concen: 2.527 ug/l

RT: 5.77 min Scan# 768

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

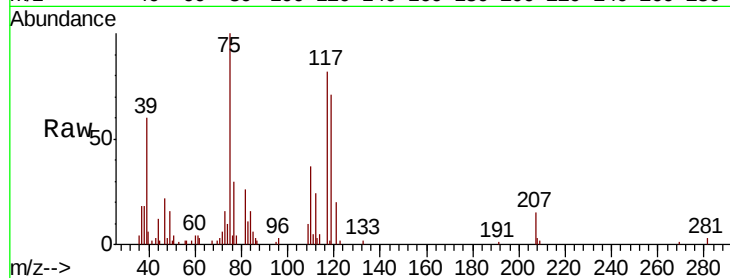
Tot Ion: 75 Resp: 10919

Ion Ratio Lower Upper

75 100

110 36.3 0.0 71.0

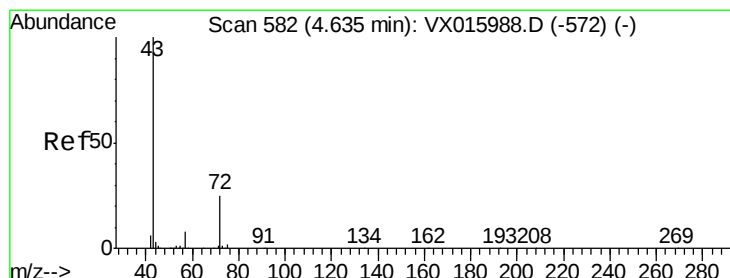
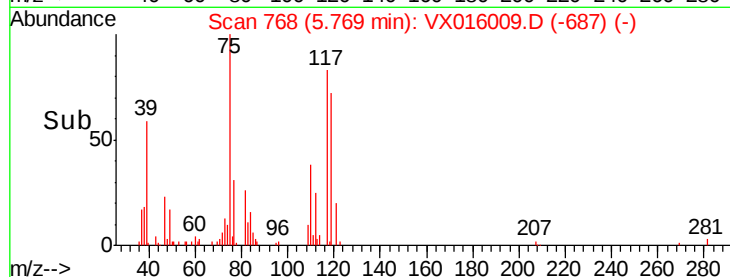
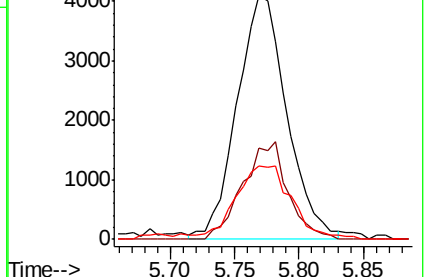
77 34.1 0.0 64.2



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 110.00 (109.70 to 110.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#30

2-Butanone

Concen: 12.598 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

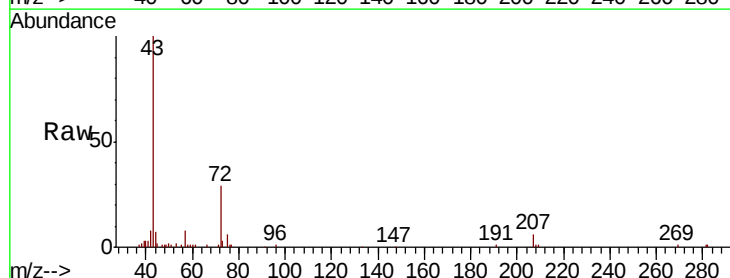
Tgt Ion: 43 Resp: 32434

Ion Ratio Lower Upper

43 100

57 9.2 6.3 9.5

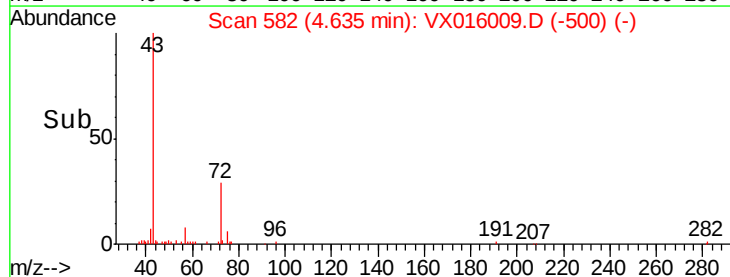
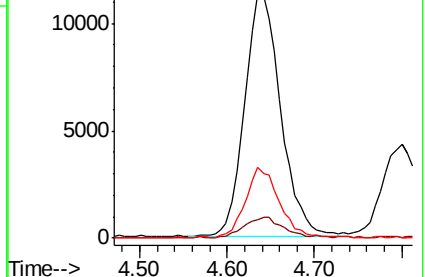
72 27.3 20.8 31.2

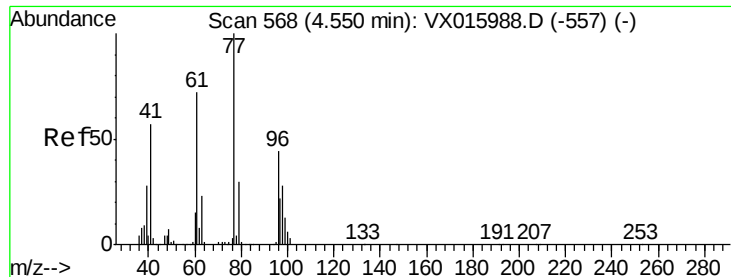


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#31

2,2-Dichloropropane

Concen: 2.484 ug/l

RT: 4.56 min Scan# 569

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

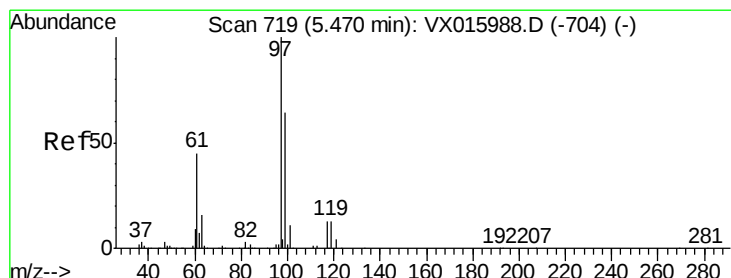
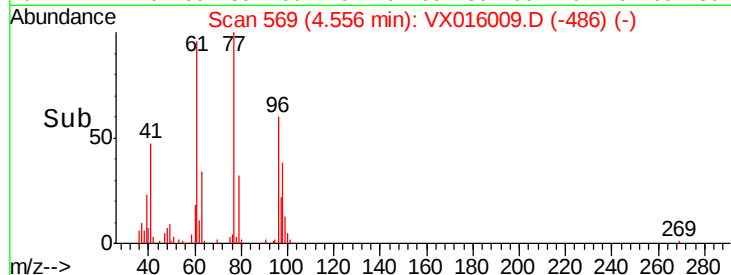
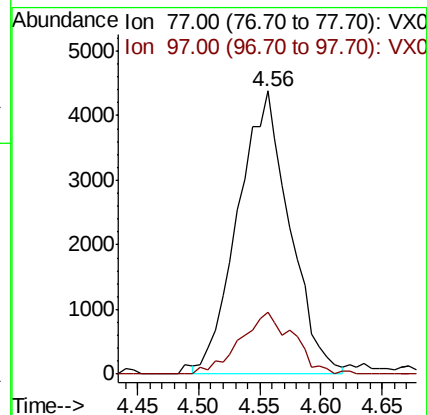
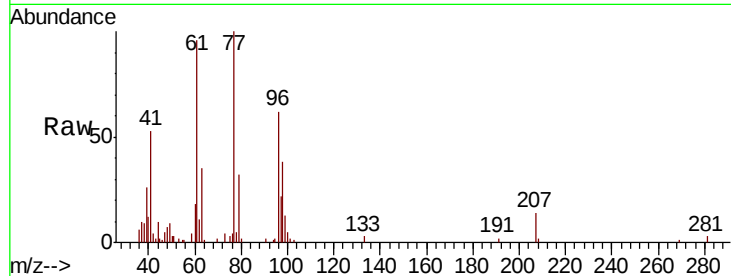
MDL-WATER-03-QT2-2020DL

Tot Ion: 77 Resp: 12919

Ion Ratio Lower Upper

77 100

97 16.7 17.8 26.8#



#32

1,1,1-Trichloroethane

Concen: 2.526 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

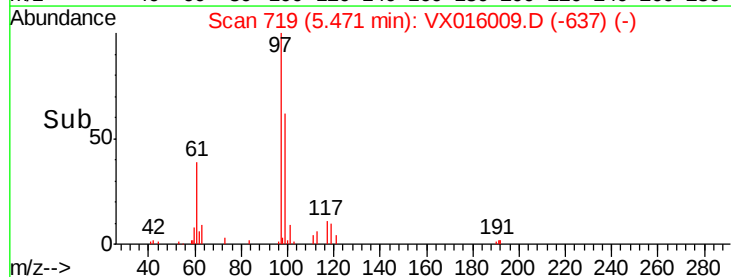
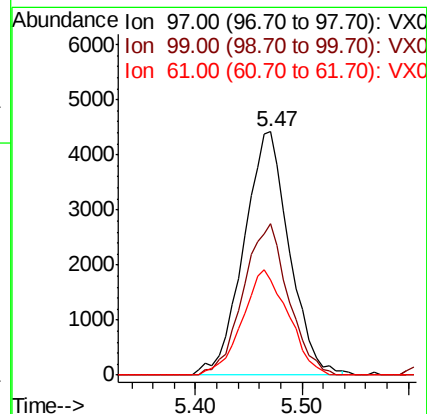
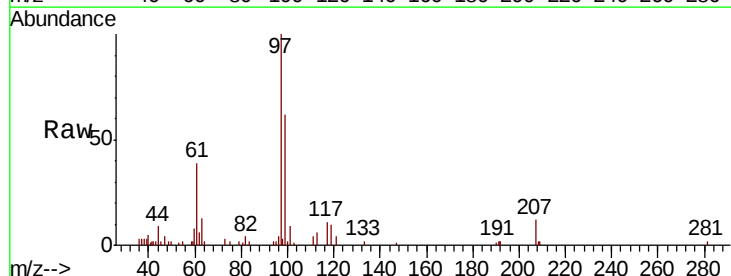
Tgt Ion: 97 Resp: 13238

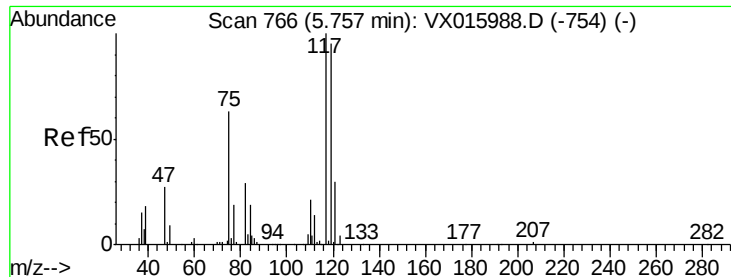
Ion Ratio Lower Upper

97 100

99 61.6 50.7 76.1

61 43.6 35.9 53.9

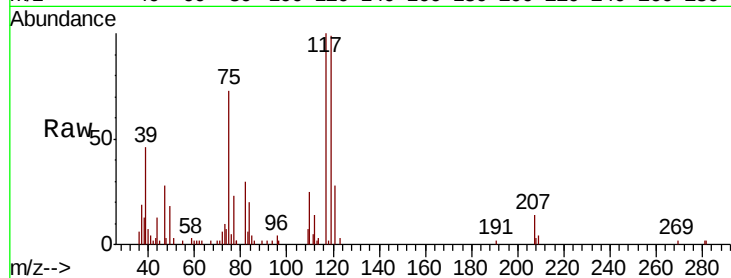




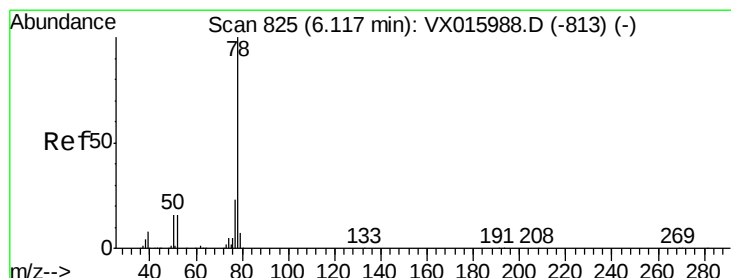
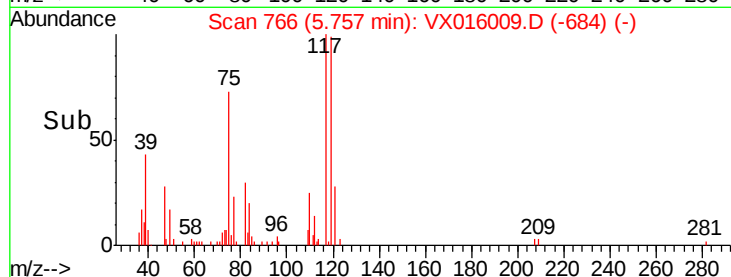
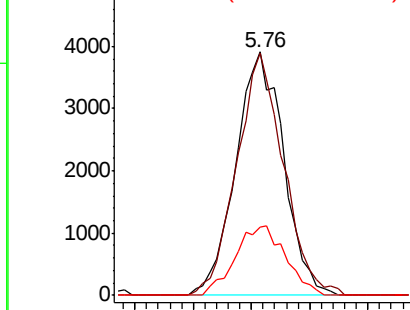
#33
Carbon Tetrachloride
Concen: 2.393 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

Tot Ion:117 Resp: 11170
Ion Ratio Lower Upper
117 100
119 99.4 76.3 114.5
121 28.3 24.2 36.4

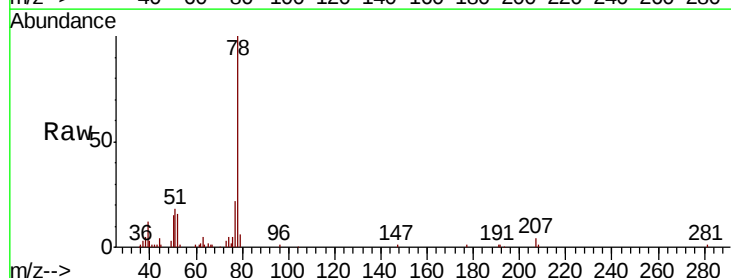


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

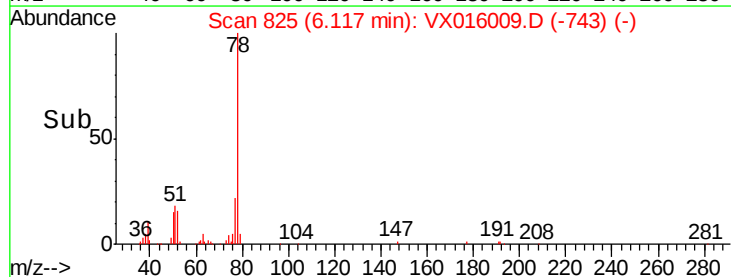
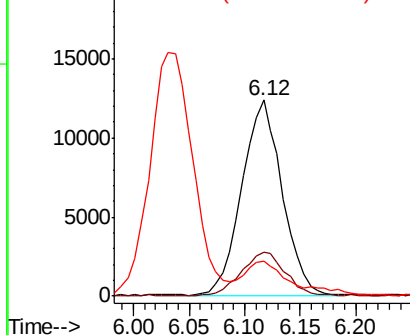


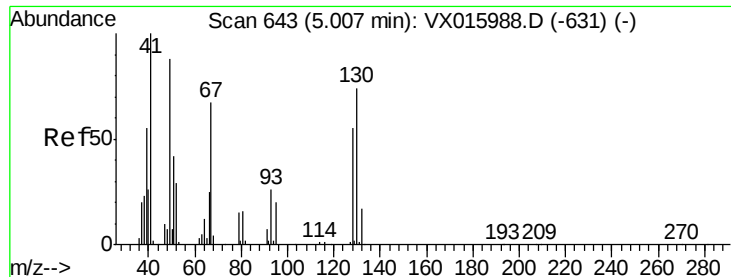
#34
Benzene
Concen: 2.497 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 78 Resp: 31514
Ion Ratio Lower Upper
78 100
77 22.3 18.7 28.1
51 14.9 12.7 19.1



Abundance Ion 78.10 (77.80 to 78.80): VX0
Ion 77.00 (76.70 to 77.70): VX0
Ion 51.00 (50.70 to 51.70): VX0

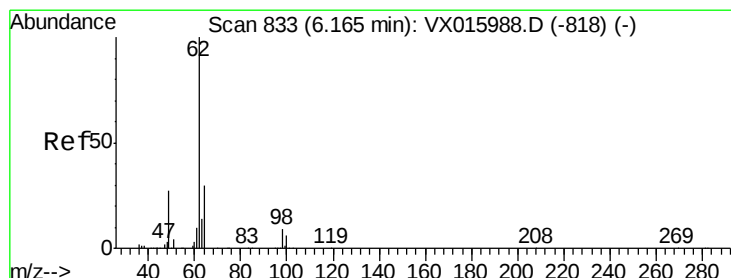
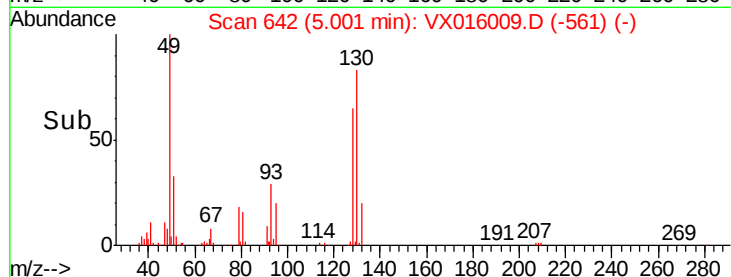
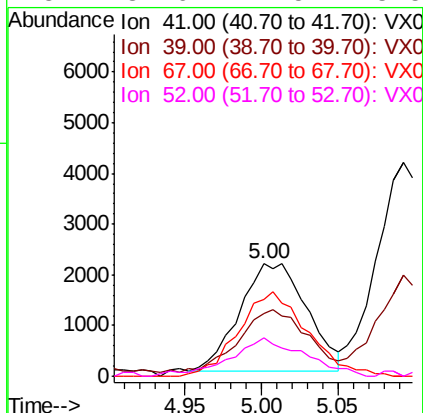
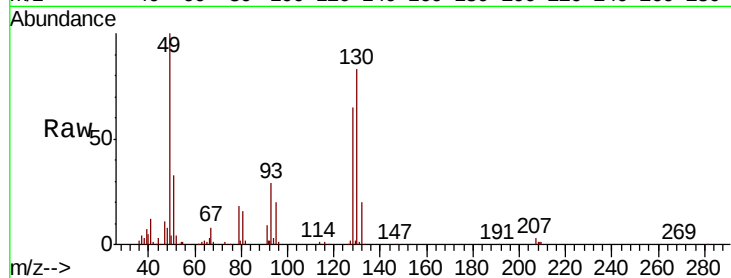




#35
Methacrylonitrile
Concen: 2.356 ug/l
RT: 5.00 min Scan# 642
Delta R.T. -0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

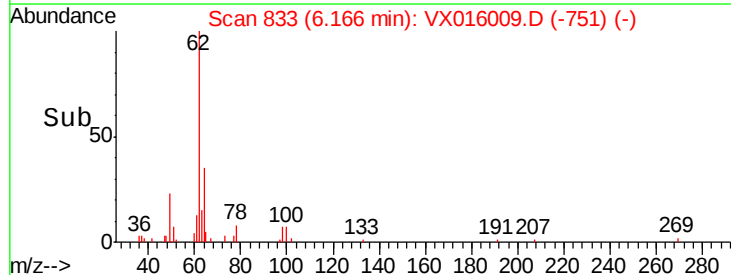
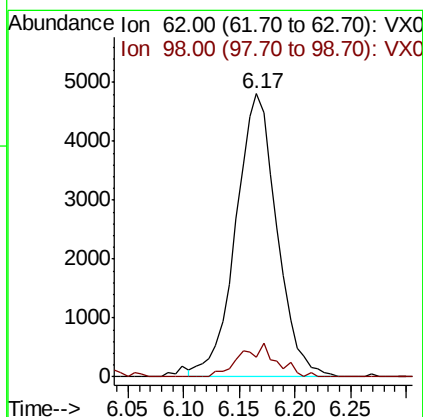
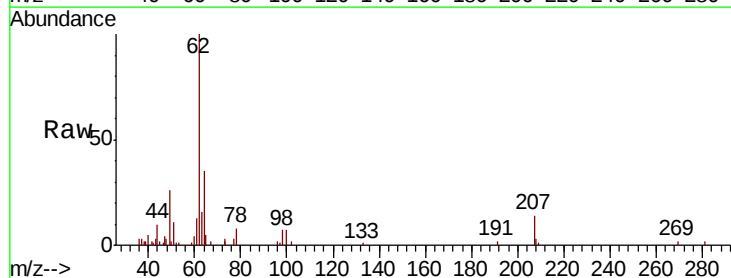
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

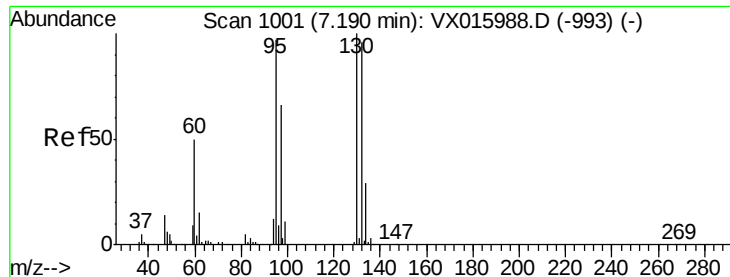
Tot Ion: 41 Resp: 6441
Ion Ratio Lower Upper
41 100
39 51.8 27.5 82.4
67 69.3 33.6 100.6
52 31.6 14.5 43.5



#36
1,2-Dichloroethane
Concen: 2.558 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 62 Resp: 12331
Ion Ratio Lower Upper
62 100
98 4.7 7.4 11.2#





#37

Trichloroethene

Concen: 2.584 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

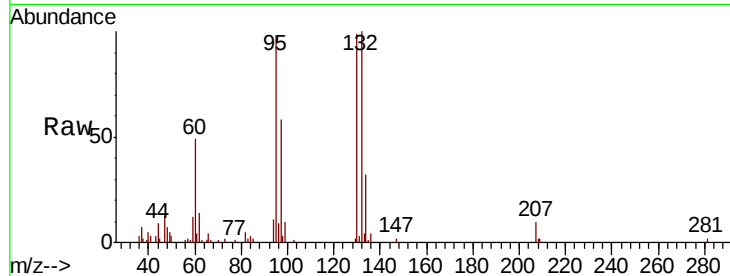
MDL-WATER-03-QT2-2020DL

Tot Ion:130 Resp: 11602

Ion Ratio Lower Upper

130 100

95 98.2 77.8 116.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VX0

6000

5000

4000

3000

2000

1000

0

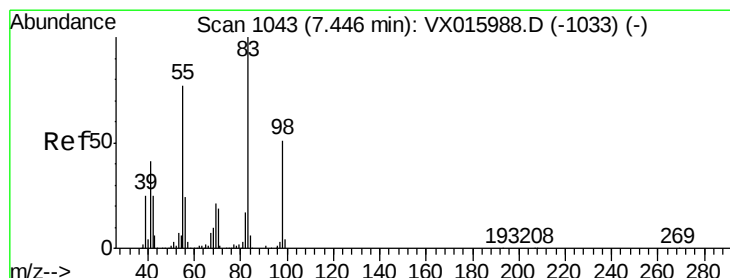
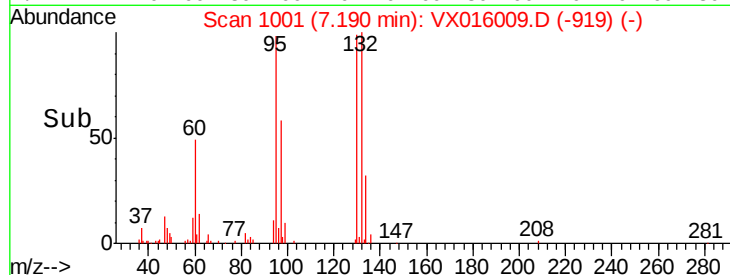
7.10

7.15

7.20

7.25

Time-->



#38

Methylcyclohexane

Concen: 2.455 ug/l

RT: 7.44 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

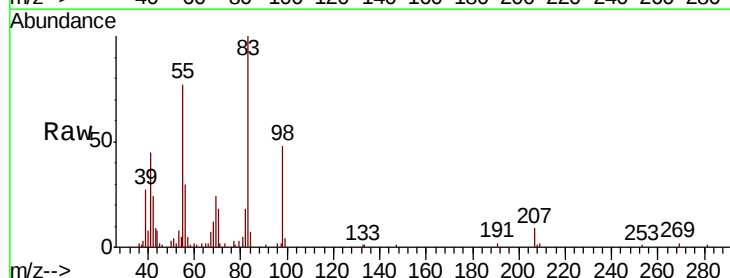
Tgt Ion: 83 Resp: 12964

Ion Ratio Lower Upper

83 100

55 78.9 38.8 116.4

98 50.3 25.1 75.3



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

8000

6000

4000

2000

0

7.35

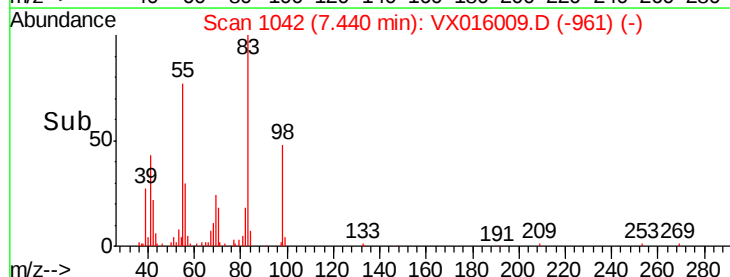
7.40

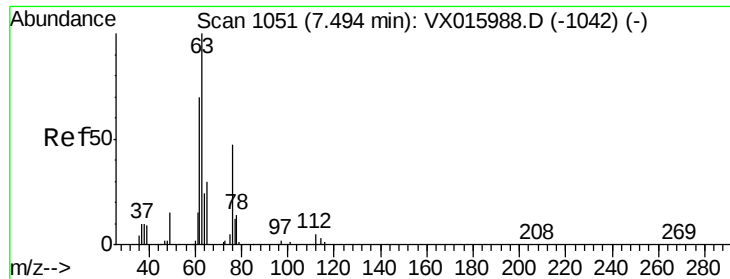
7.45

7.50

7.55

Time-->





#39

1,2-Dichloropropane

Concen: 2.426 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

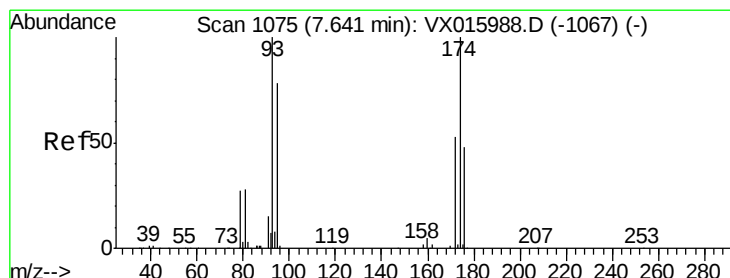
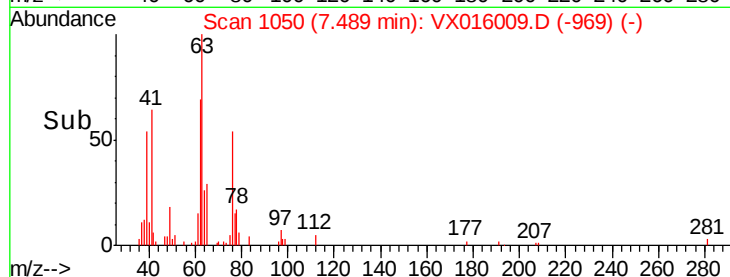
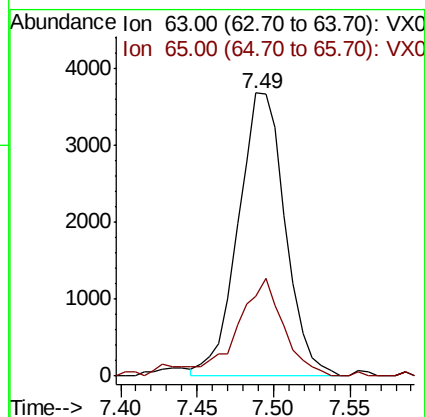
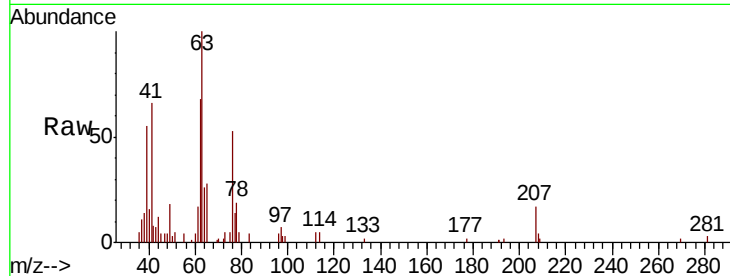
MDL-WATER-03-QT2-2020DL

Tot Ion: 63 Resp: 7859

Ion Ratio Lower Upper

63 100

65 28.3 25.9 38.9



#40

Dibromomethane

Concen: 2.548 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

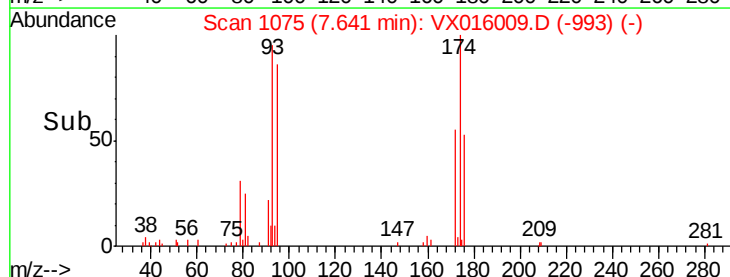
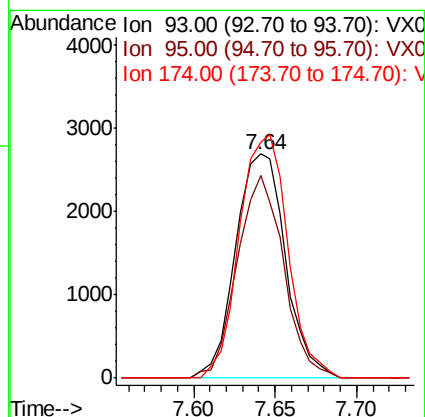
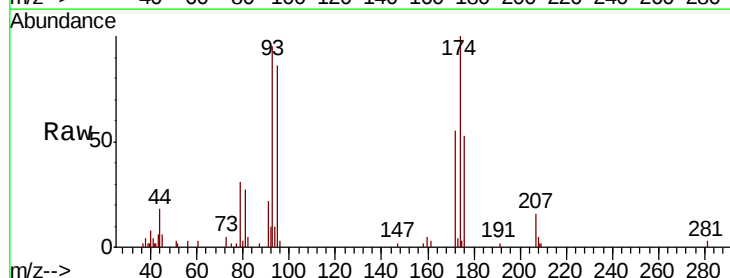
Tgt Ion: 93 Resp: 5732

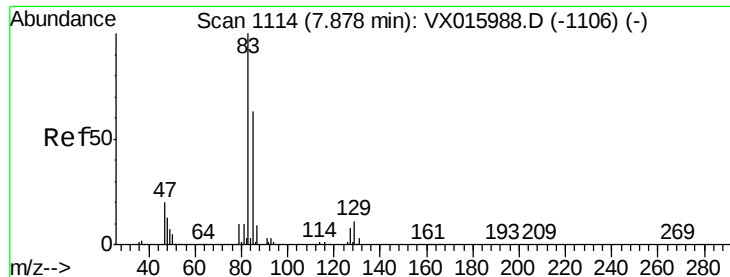
Ion Ratio Lower Upper

93 100

95 84.1 0.0 162.8

174 105.1 0.0 204.0





#41

Bromodichloromethane

Concen: 2.299 ug/l

RT: 7.88 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

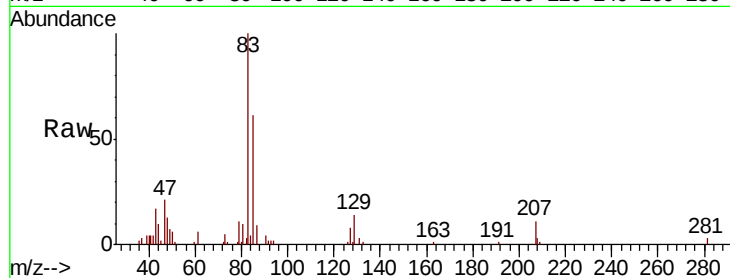
Tot Ion: 83 Resp: 10660

Ion Ratio Lower Upper

83 100

85 61.4 50.4 75.6

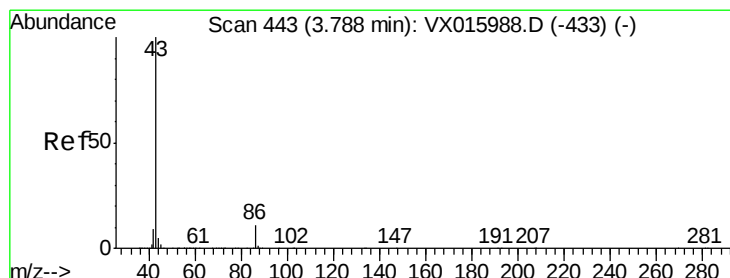
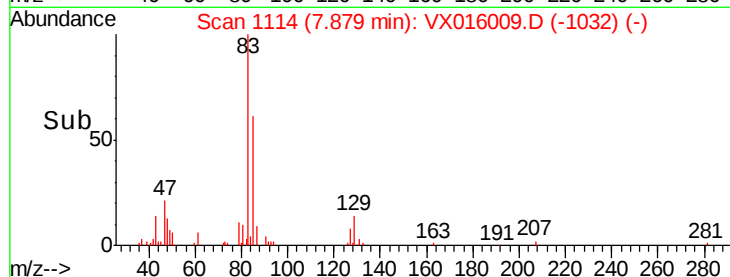
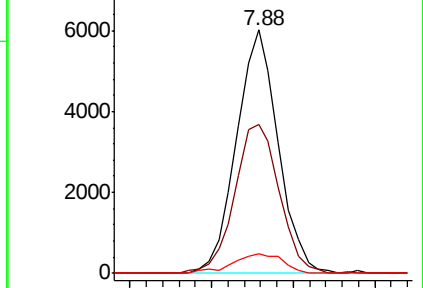
127 8.1 6.7 10.1



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 85.00 (84.70 to 85.70): VX0

Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 11.955 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX016009.D

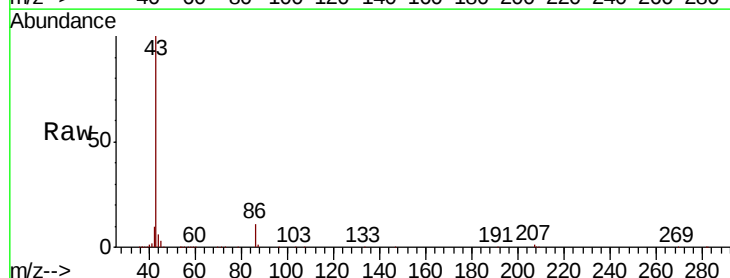
Acq: 01 May 2020 14:23

Tgt Ion: 43 Resp: 101833

Ion Ratio Lower Upper

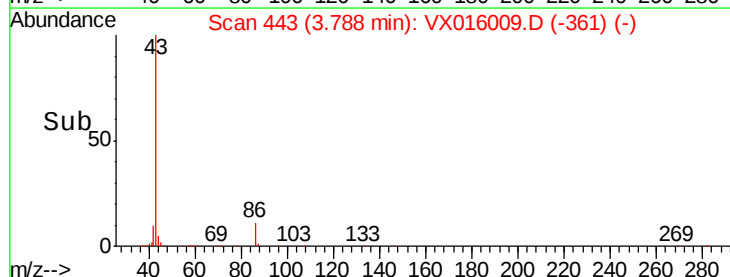
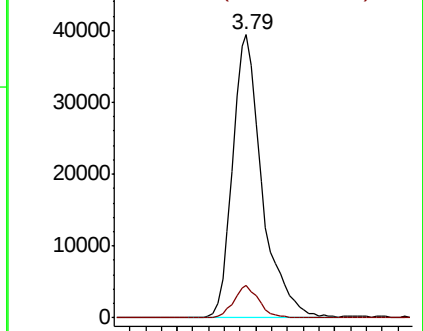
43 100

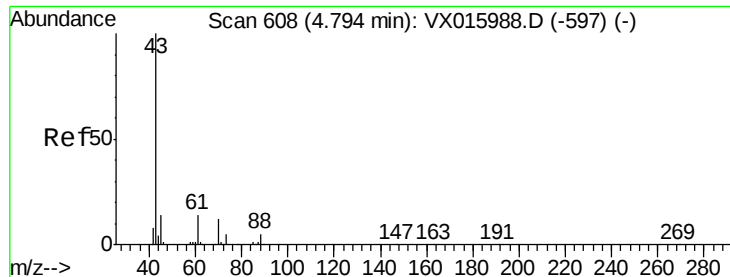
86 9.9 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

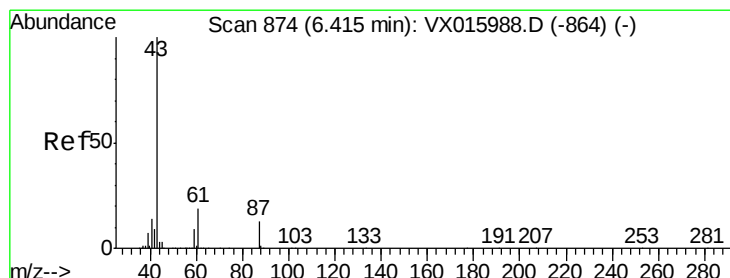
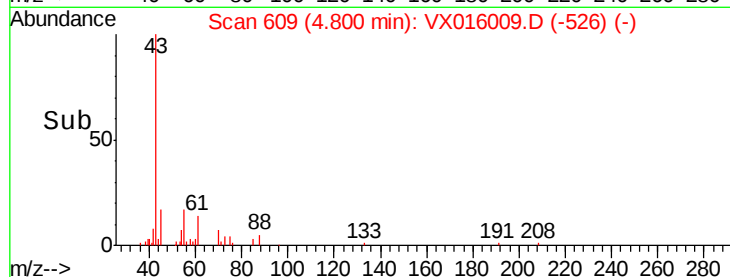
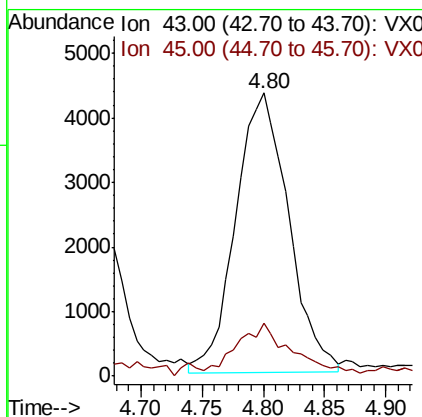
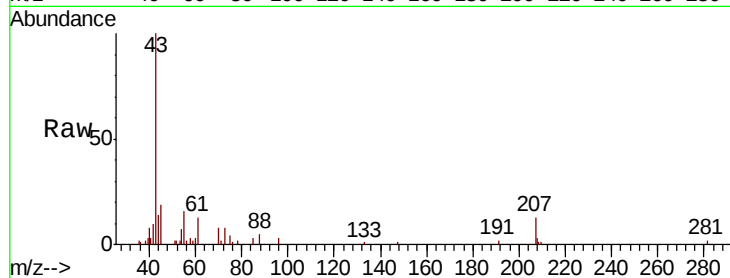




#43
Ethyl Acetate
Concen: 2.571 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

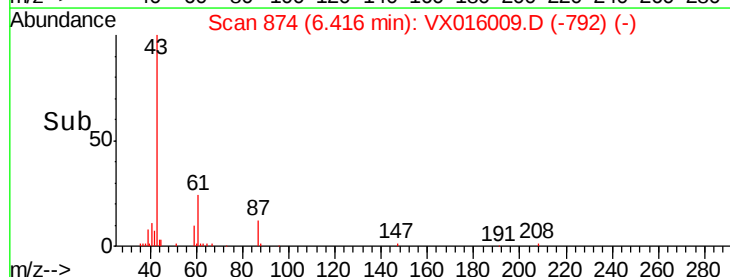
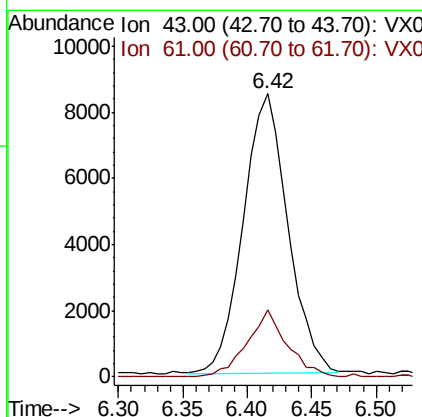
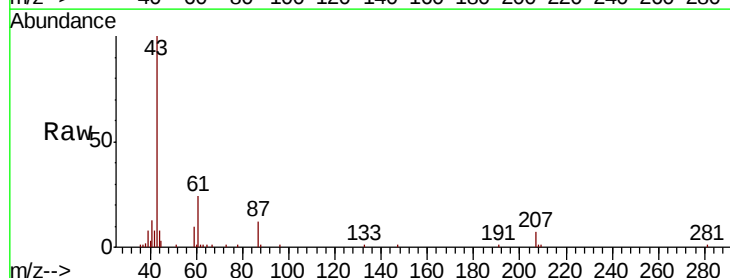
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

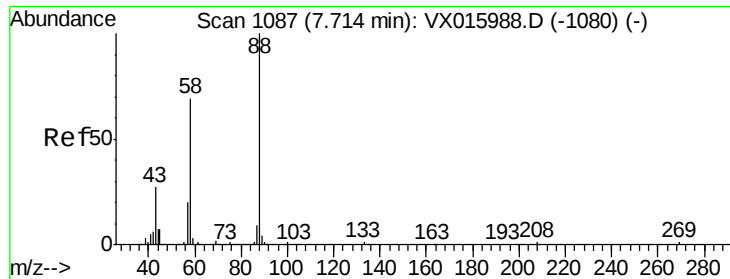
Tot Ion: 43 Resp: 13055
Ion Ratio Lower Upper
43 100
45 9.6 11.9 17.9#



#44
Isopropyl Acetate
Concen: 2.459 ug/l
RT: 6.42 min Scan# 874
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 43 Resp: 20262
Ion Ratio Lower Upper
43 100
61 21.5 16.1 24.1





#45

1,4-Dioxane

Concen: 52.450 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

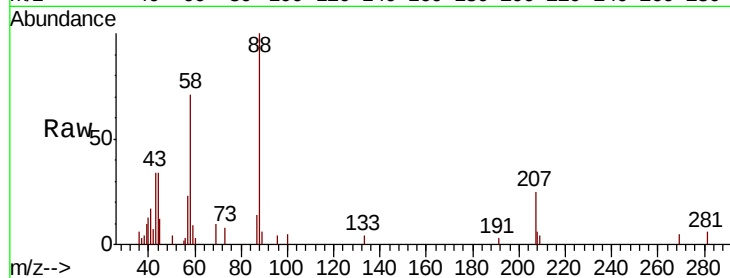
Tot Ion: 88 Resp: 4566

Ion Ratio Lower Upper

88 100

43 24.6 26.3 39.5#

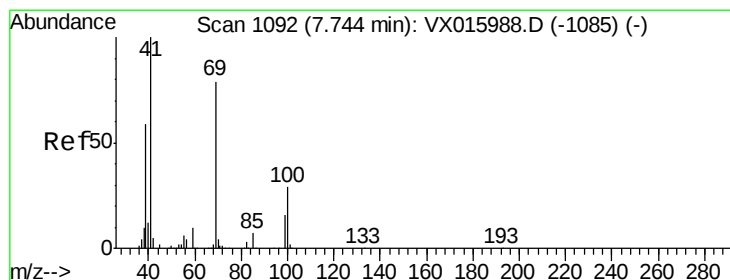
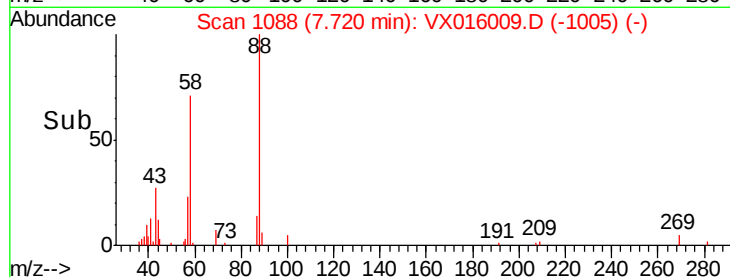
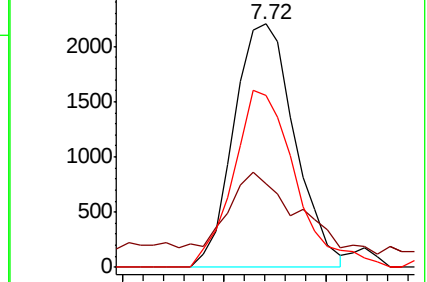
58 74.4 57.0 85.6



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#46

Methyl methacrylate

Concen: 2.246 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

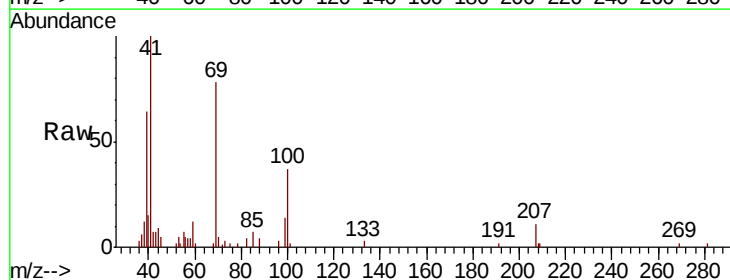
Tgt Ion: 41 Resp: 8776

Ion Ratio Lower Upper

41 100

69 79.9 39.5 118.5

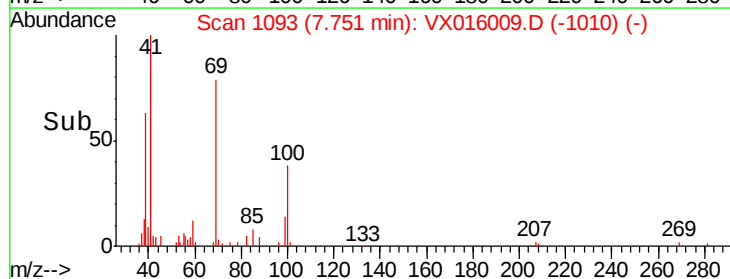
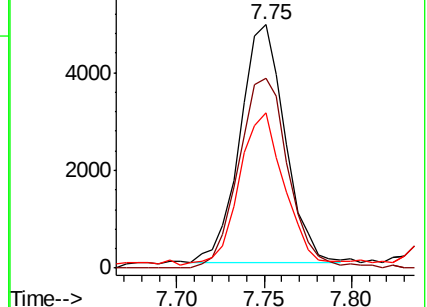
39 62.9 29.6 88.9

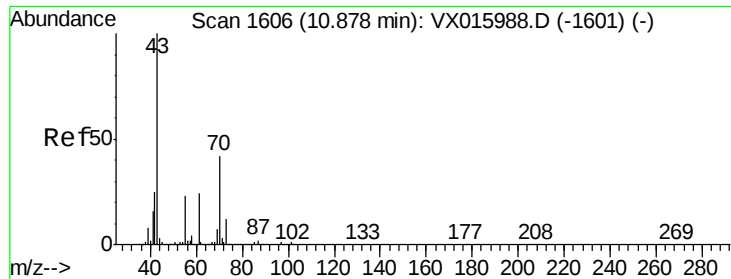


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#47

n-amvl Acetate

Concen: 2.249 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

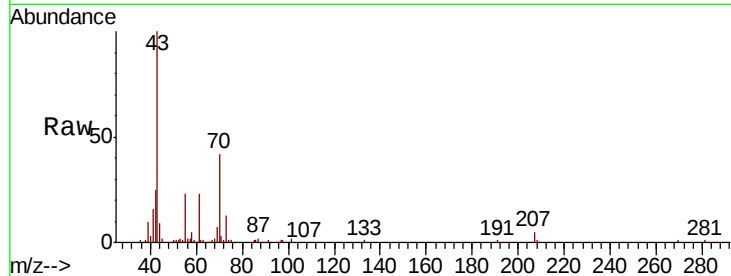
MDL-WATER-03-QT2-2020DL

Tot Ion: 43 Resp: 16205

Ion Ratio Lower Upper

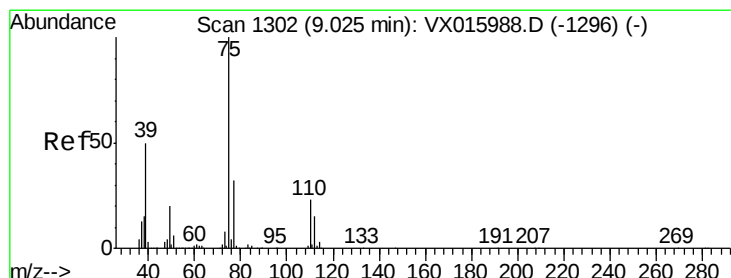
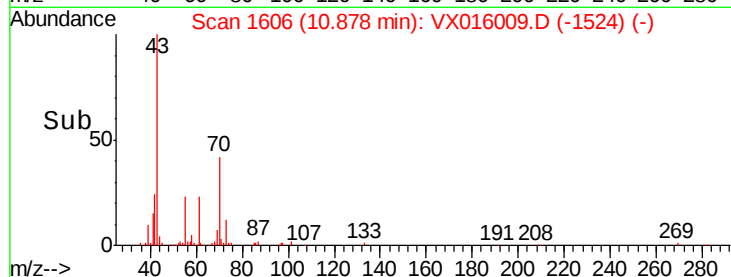
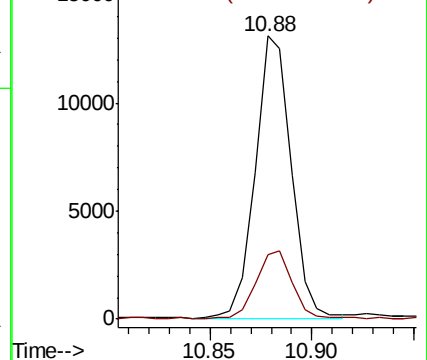
43 100

55 24.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#48

t-1,3-Dichloropropene

Concen: 2.351 ug/l

RT: 9.02 min Scan# 1302

Delta R.T. 0.00 min

Lab File: VX016009.D

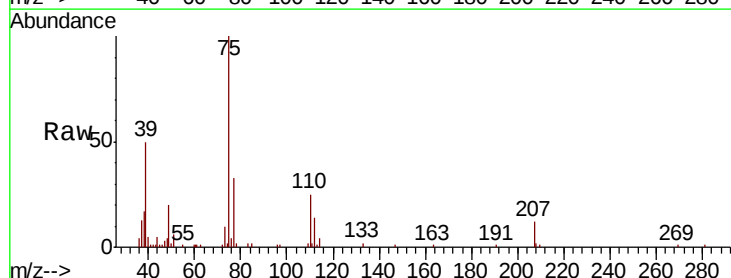
Acq: 01 May 2020 14:23

Tgt Ion: 75 Resp: 12662

Ion Ratio Lower Upper

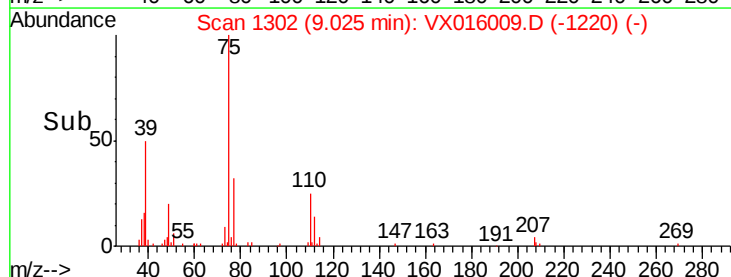
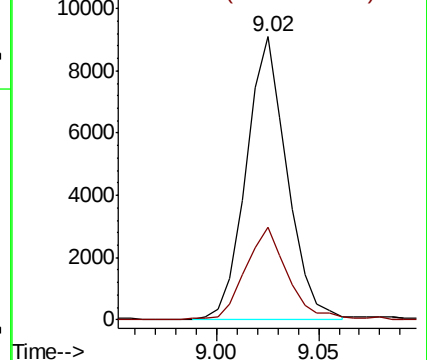
75 100

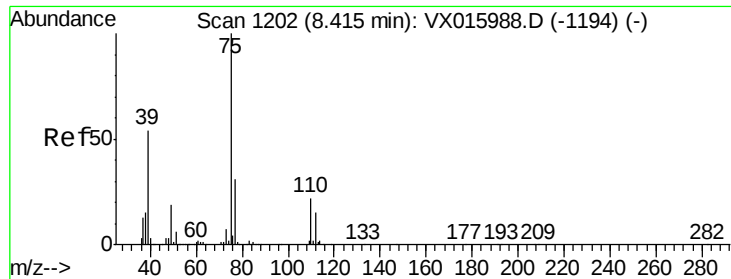
77 32.0 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



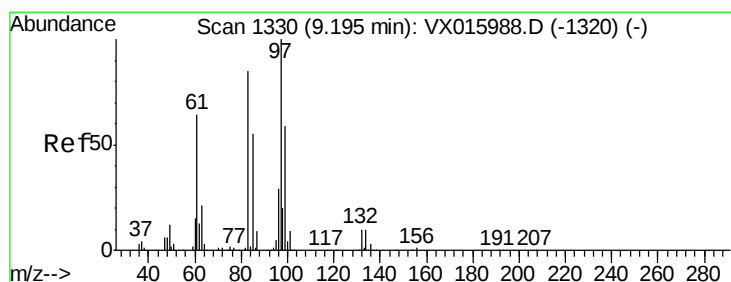
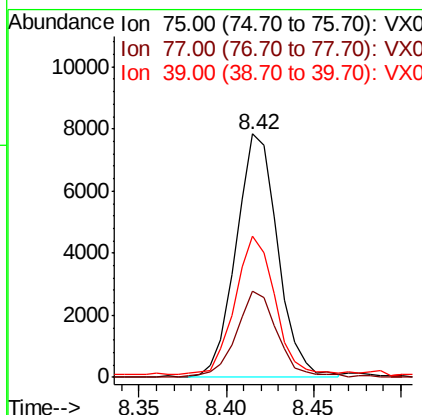
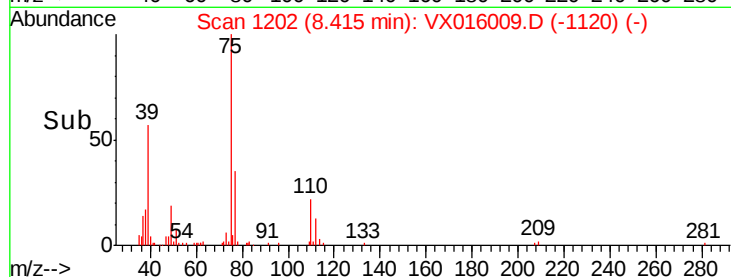
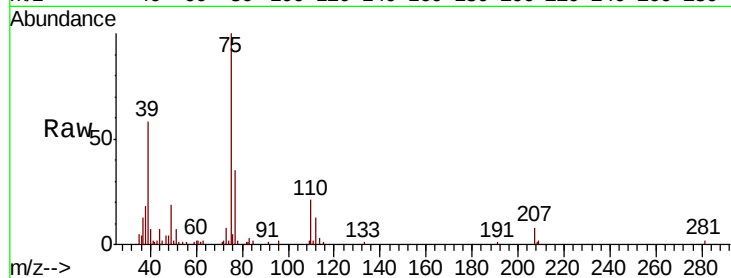


#49

cis-1,3-Dichloropropene
Concen: 2.350 ug/l
RT: 8.42 min Scan# 1202
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

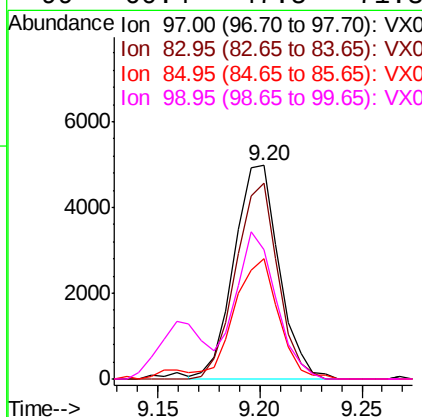
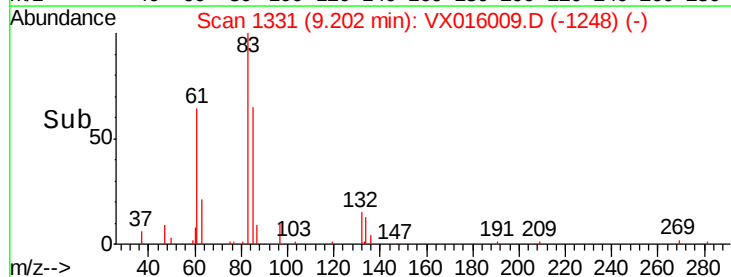
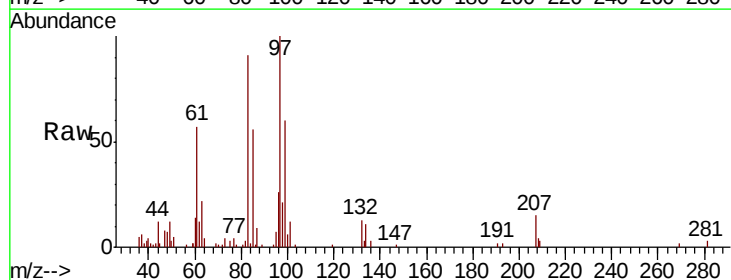
Tot Ion	Ratio	Lower	Upper
75	100		
77	34.4	25.0	37.6
39	56.5	43.2	64.8

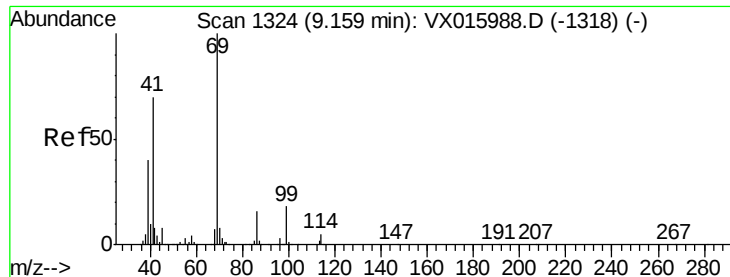


#50

1,1,2-Trichloroethane
Concen: 2.421 ug/l
RT: 9.20 min Scan# 1331
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.5	67.7	101.5
85	56.5	43.7	65.5
99	60.4	47.5	71.3





#51

Ethyl methacrylate

Concen: 2.185 ug/l

RT: 9.16 min Scan# 1324

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

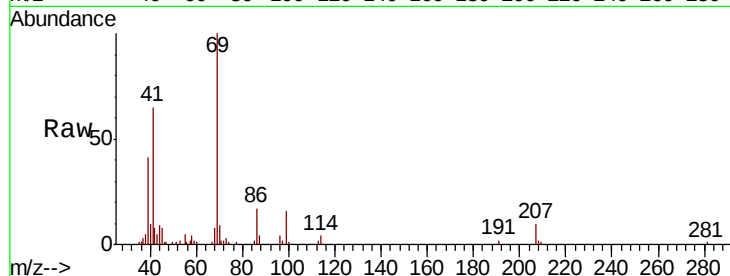
Tot Ion: 69 Resp: 11437

Ion Ratio Lower Upper

69 100

41 63.2 34.8 104.4

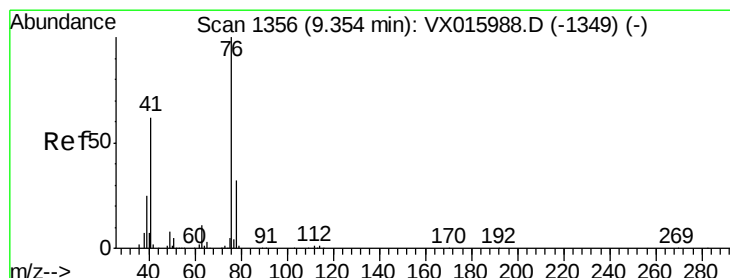
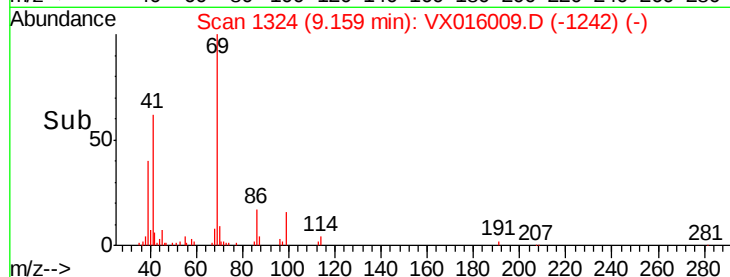
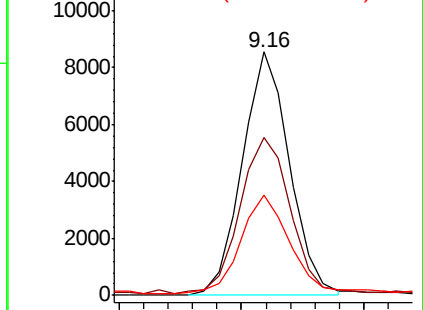
39 40.0 19.8 59.4



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#52

1,3-Dichloropropane

Concen: 2.394 ug/l

RT: 9.35 min Scan# 1356

Delta R.T. 0.00 min

Lab File: VX016009.D

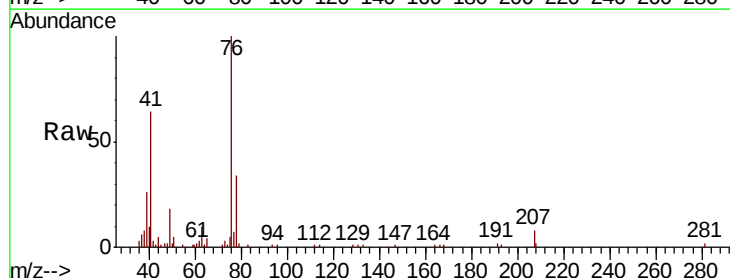
Acq: 01 May 2020 14:23

Tgt Ion: 76 Resp: 13118

Ion Ratio Lower Upper

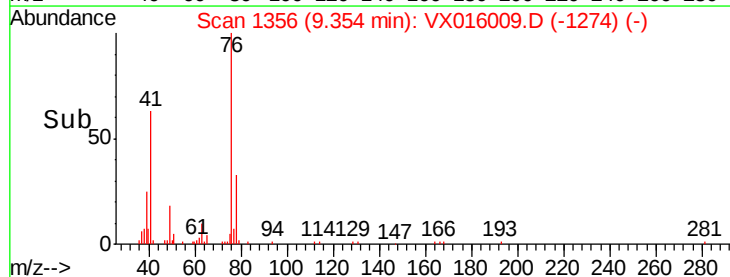
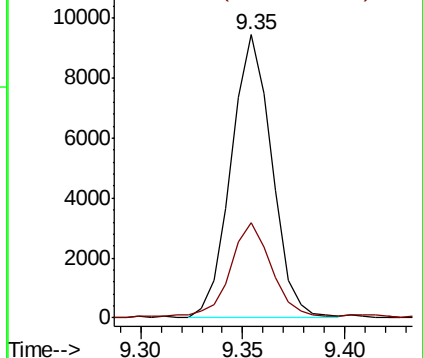
76 100

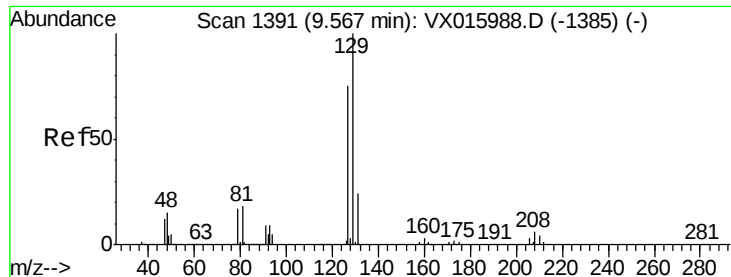
78 34.6 0.0 64.2



Abundance Ion 76.00 (75.70 to 76.70): VX0

Ion 78.00 (77.70 to 78.70): VX0





#53

Dibromochloromethane

Concen: 2.213 ug/l

RT: 9.57 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

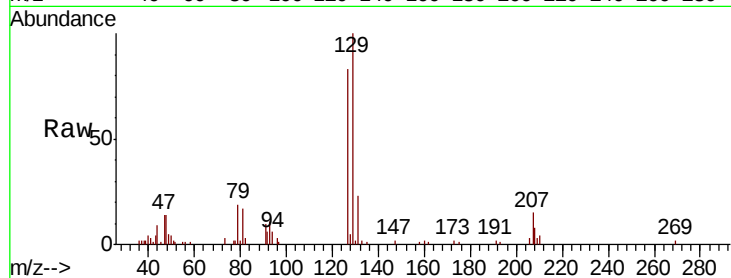
MDL-WATER-03-QT2-2020DL

Tot Ion:129 Resp: 7983

Ion Ratio Lower Upper

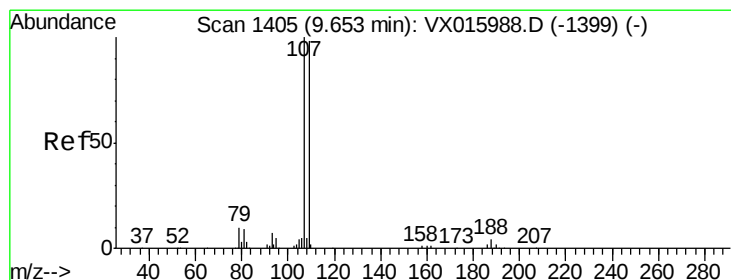
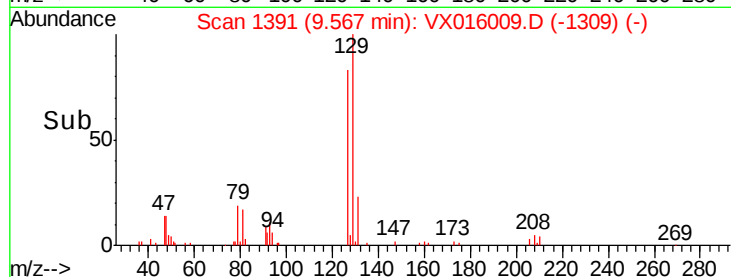
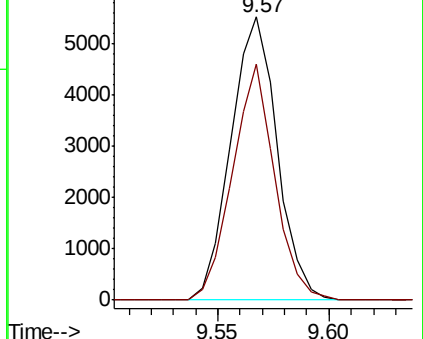
129 100

127 76.1 38.3 114.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 2.434 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX016009.D

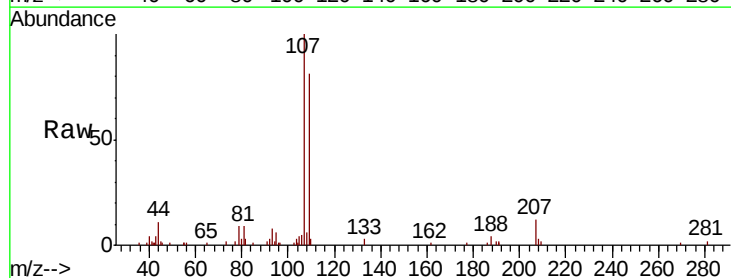
Acq: 01 May 2020 14:23

Tgt Ion:107 Resp: 8480

Ion Ratio Lower Upper

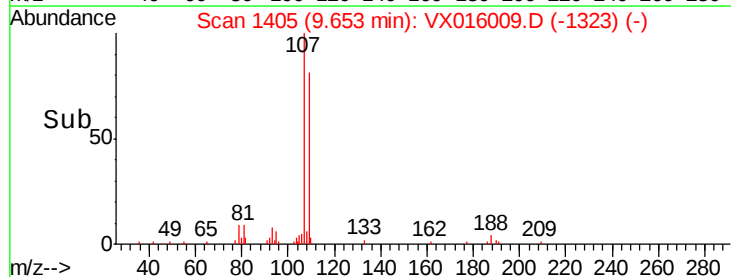
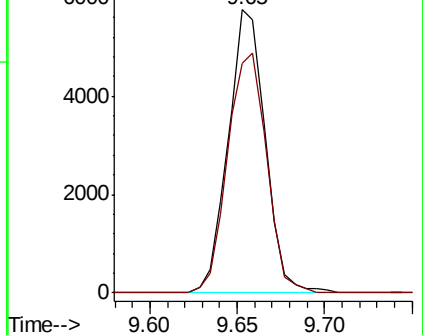
107 100

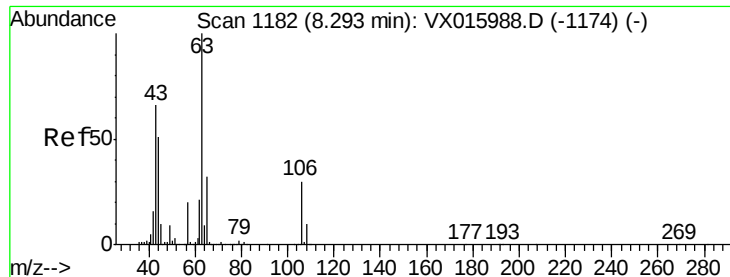
109 88.8 74.7 112.1



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

2-Chloroethyl vinyl ether

Concen: 10.899 ug/l

RT: 8.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

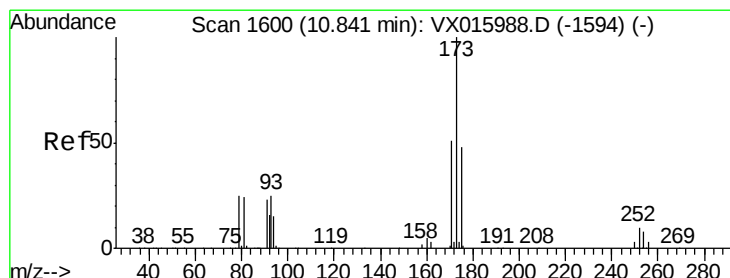
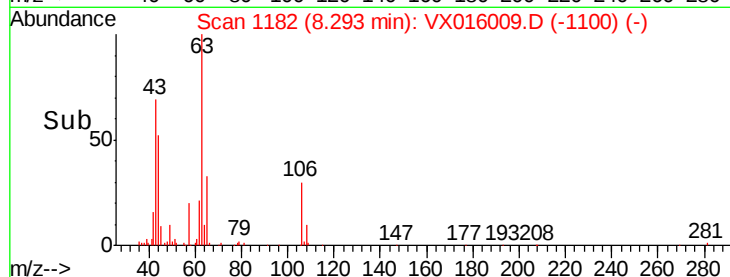
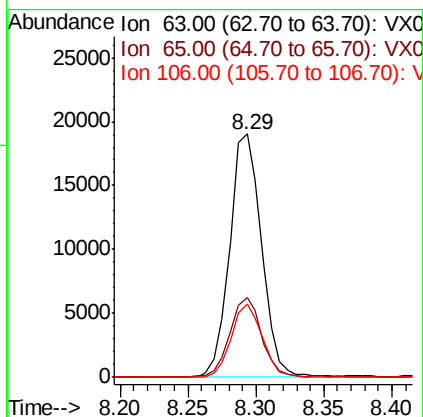
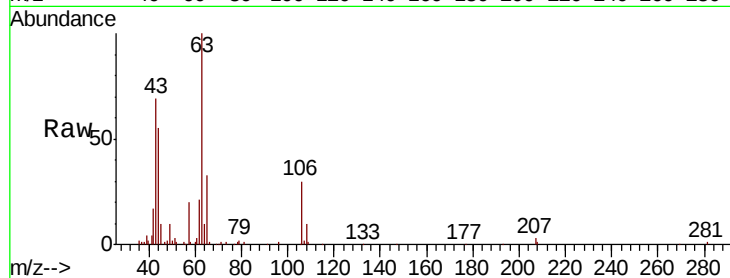
Tot Ion: 63 Resp: 31038

Ion Ratio Lower Upper

63 100

65 32.6 25.6 38.4

106 29.4 23.4 35.0



#56

Bromoform

Concen: 2.005 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

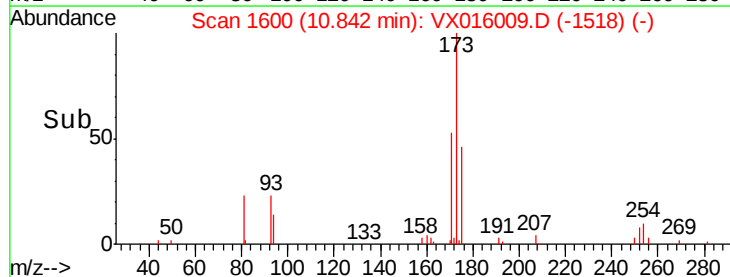
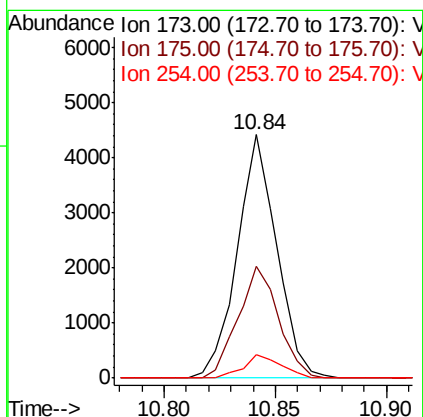
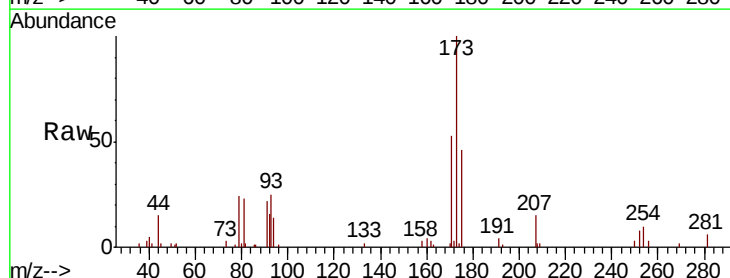
Tgt Ion:173 Resp: 5449

Ion Ratio Lower Upper

173 100

175 47.1 38.0 57.0

254 9.0 6.8 10.2

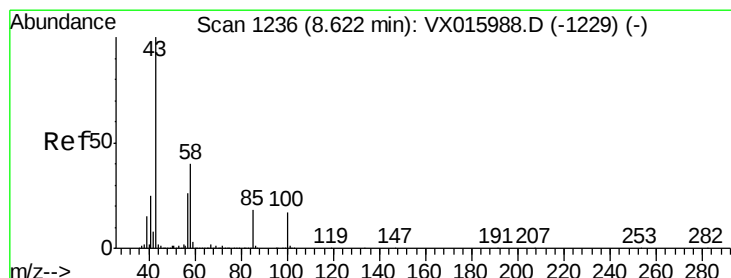
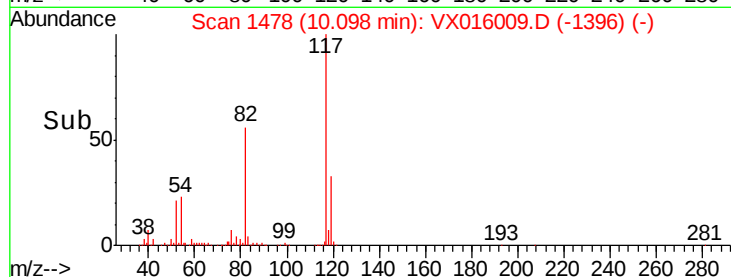
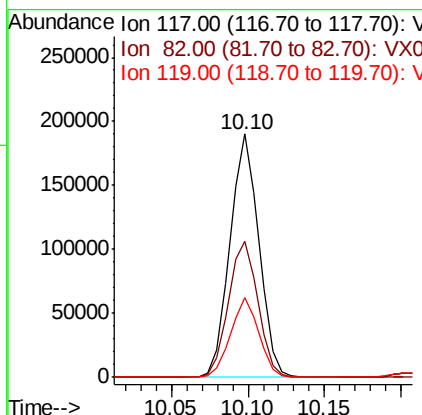
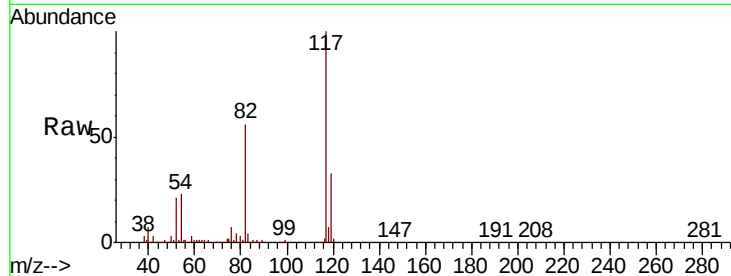




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

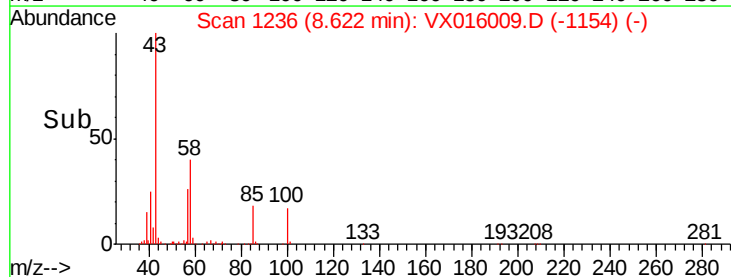
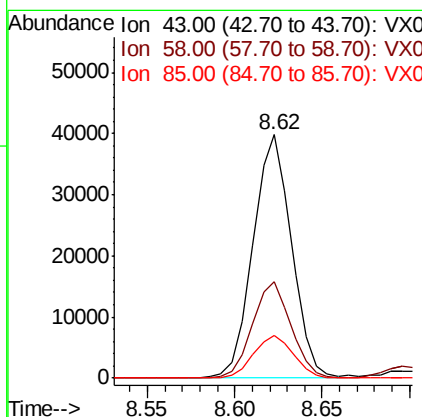
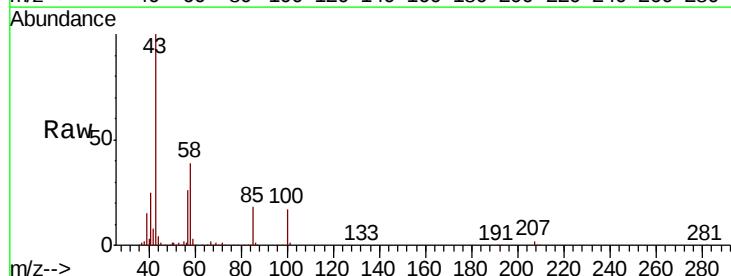
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

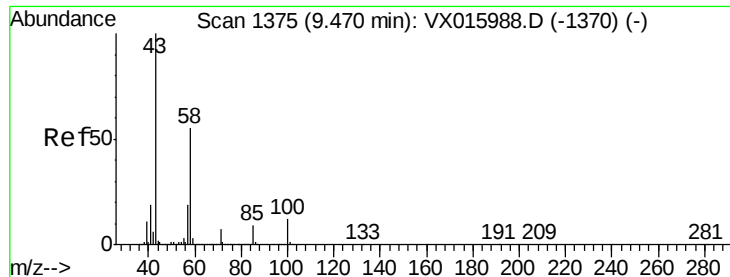
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.1	67.7
119	32.3	25.6	38.4



#58
4-Methyl-2-Pentanone
Concen: 12.313 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.8	47.6
85	18.4	14.5	21.7

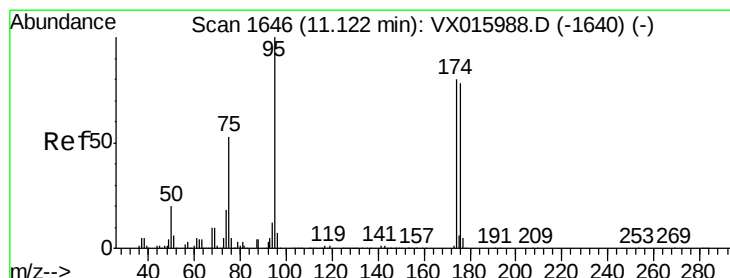
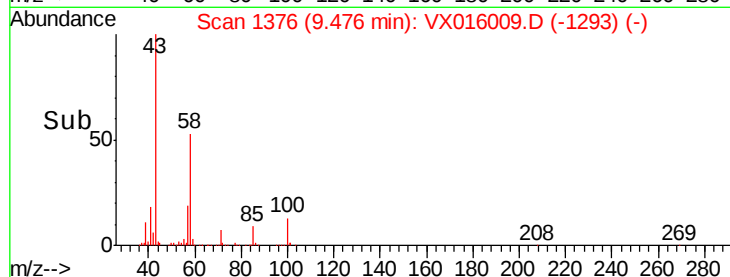
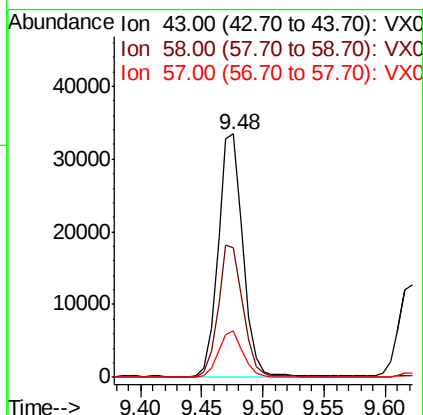
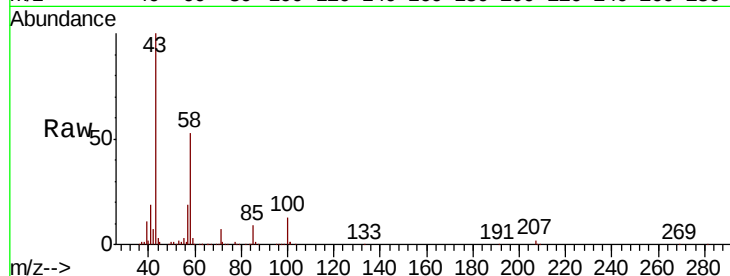




#59
2-Hexanone
Concen: 12.328 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

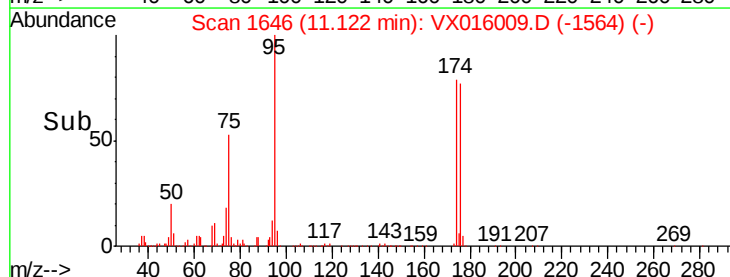
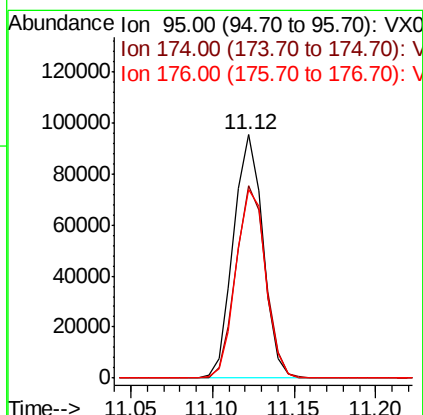
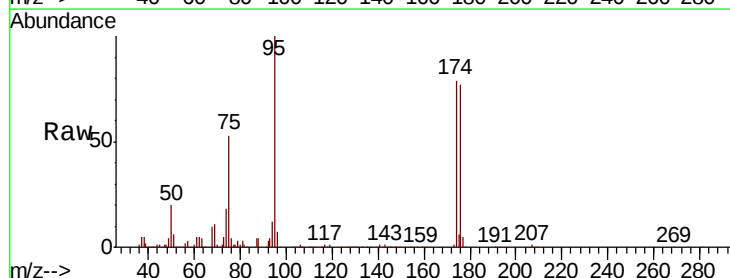
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

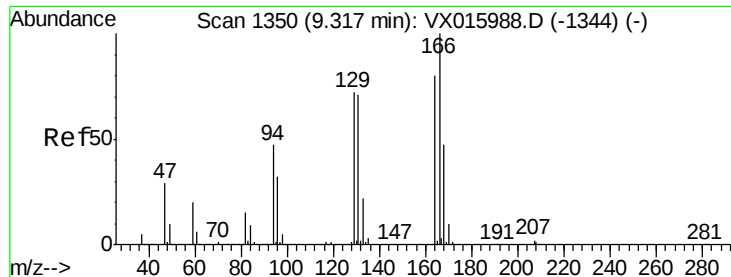
Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	44.0	66.0
57	19.3	15.5	23.3



#60
4-Bromofluorobenzene
Concen: 28.905 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.9	64.8	97.2
176	78.7	62.4	93.6





#61

Tetrachloroethene

Concen: 2.743 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

Tot Ion:164 Resp: 13482

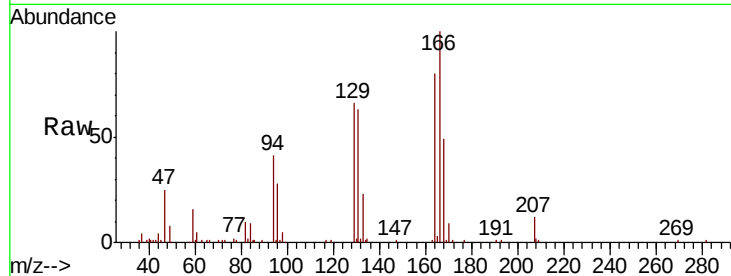
Ion Ratio Lower Upper

164 100

166 124.6 100.1 150.1

129 81.8 72.2 108.4

131 77.5 71.3 106.9

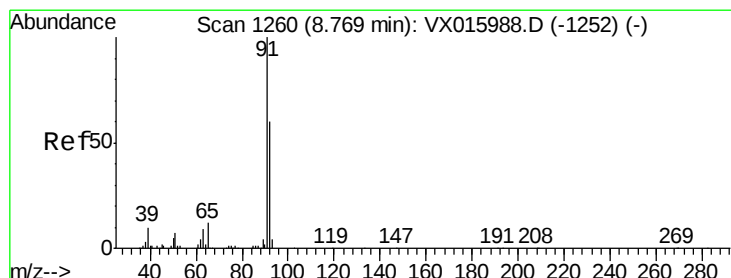
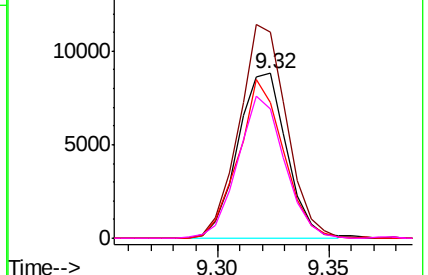
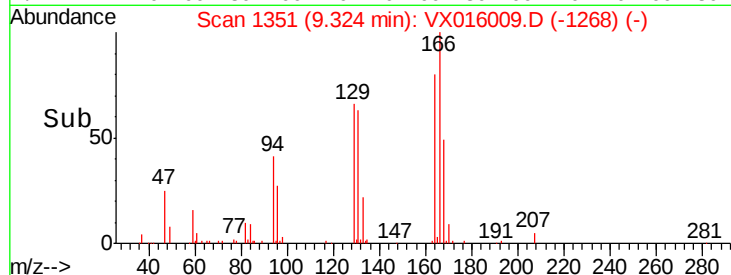


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 2.500 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VX016009.D

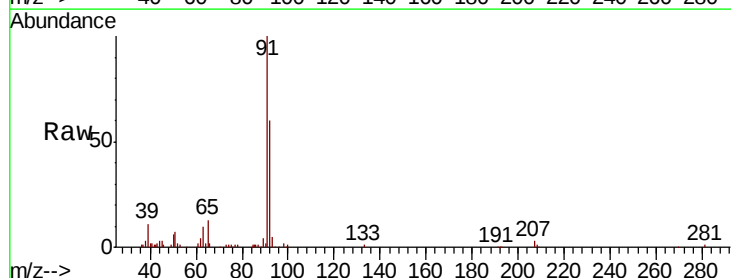
Acq: 01 May 2020 14:23

Tgt Ion: 91 Resp: 33189

Ion Ratio Lower Upper

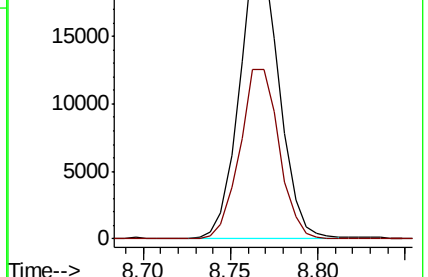
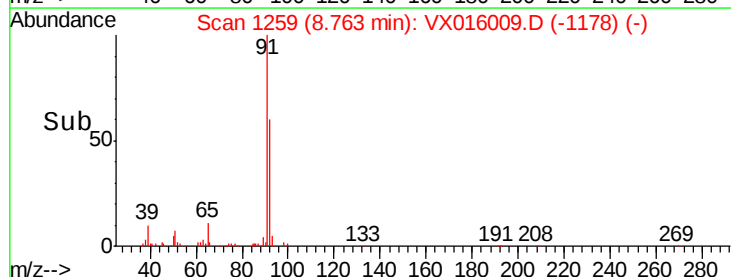
91 100

92 59.3 47.2 70.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0





#63

Toluene-d8

Concen: 30.611 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

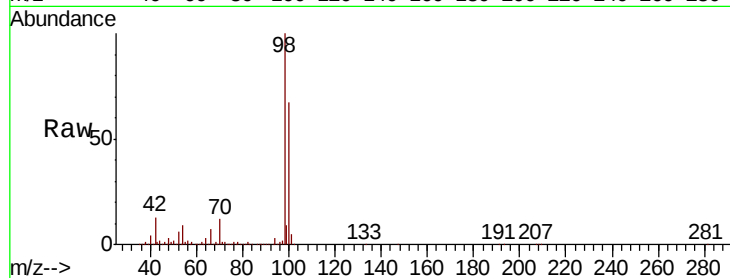
MDL-WATER-03-QT2-2020DL

Tot Ion: 98 Resp: 326262

Ion Ratio Lower Upper

98 100

100 66.8 52.5 78.7



Abundance Ion 98.00 (97.70 to 98.70): VX015988.D (-1241) (-)

Ion 100.00 (99.70 to 100.70): VX015988.D (-1241) (-)

8.70

250000

200000

150000

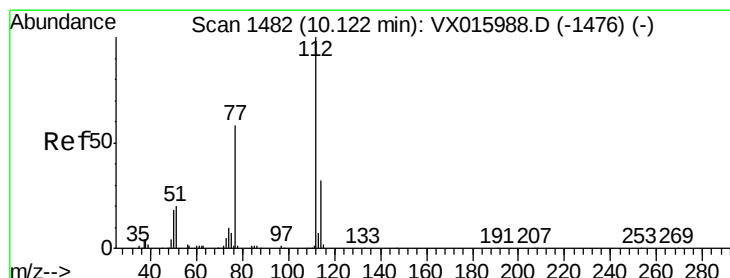
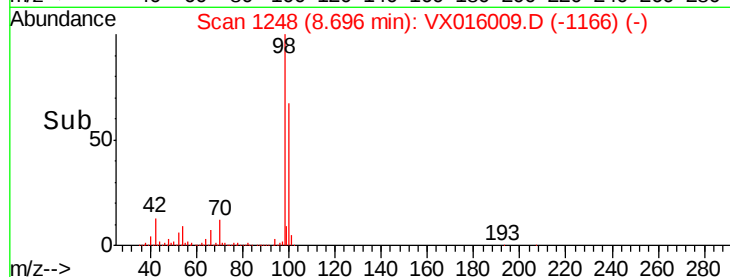
100000

50000

0

8.65 8.70 8.75

Time-->



#64

Chlorobenzene

Concen: 2.511 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX016009.D

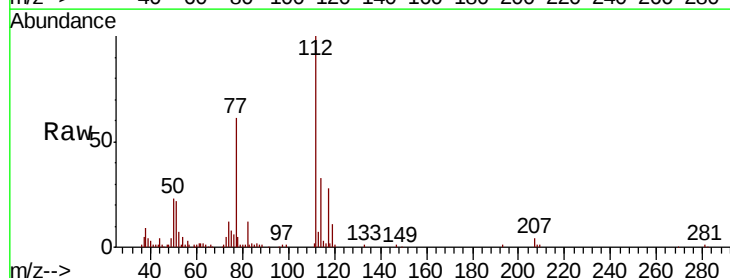
Acq: 01 May 2020 14:23

Tgt Ion: 112 Resp: 21221

Ion Ratio Lower Upper

112 100

114 33.1 25.8 38.6



Abundance Ion 112.00 (111.70 to 112.70): VX015988.D (-1476) (-)

Ion 114.00 (113.70 to 114.70): VX015988.D (-1476) (-)

10.12

15000

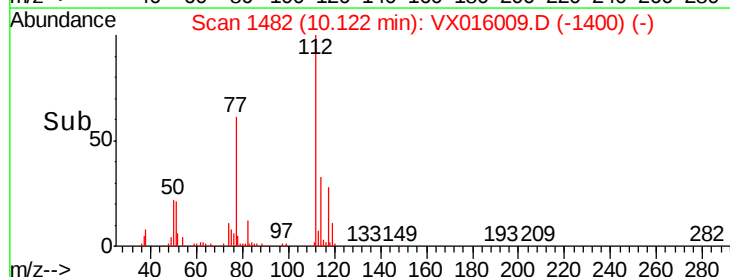
10000

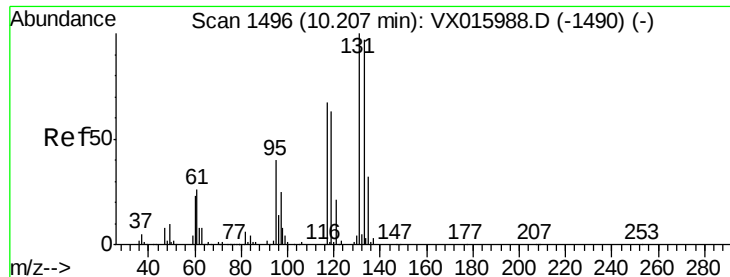
5000

0

10.10 10.15

Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 2.239 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

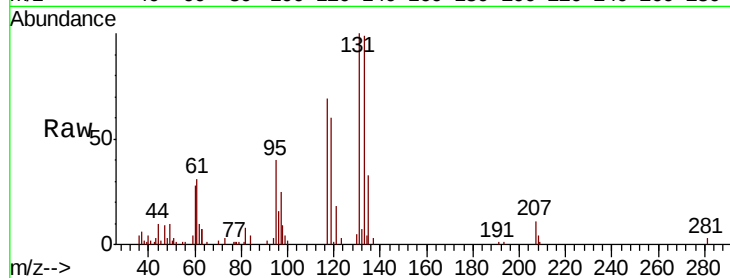
Tot Ion:131 Resp: 7184

Ion Ratio Lower Upper

131 100

133 102.1 0.0 187.0

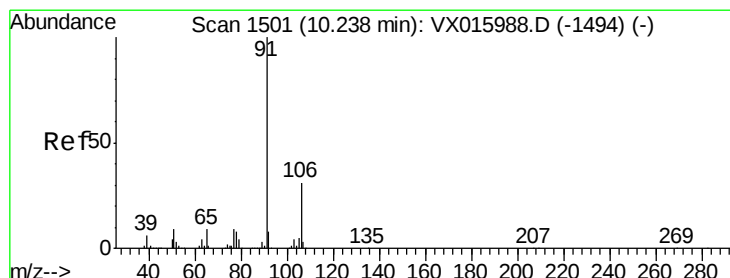
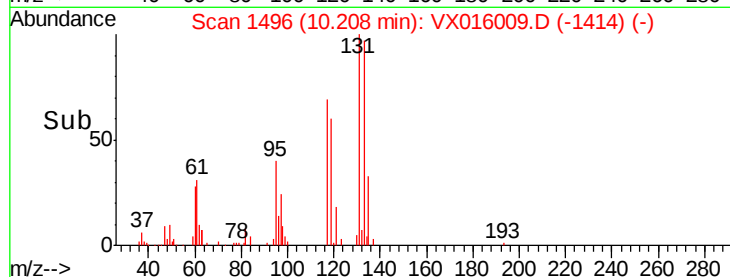
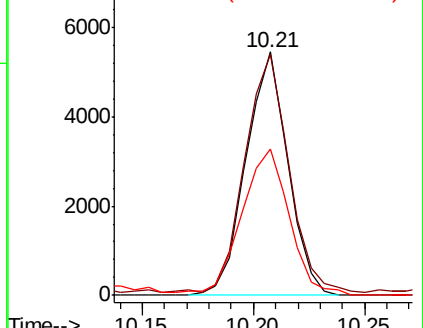
119 68.4 0.0 129.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 2.395 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX016009.D

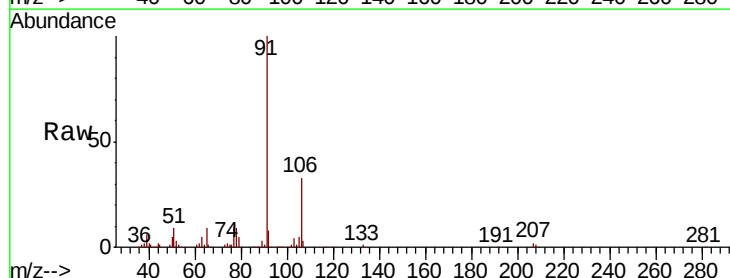
Acq: 01 May 2020 14:23

Tgt Ion: 91 Resp: 36207

Ion Ratio Lower Upper

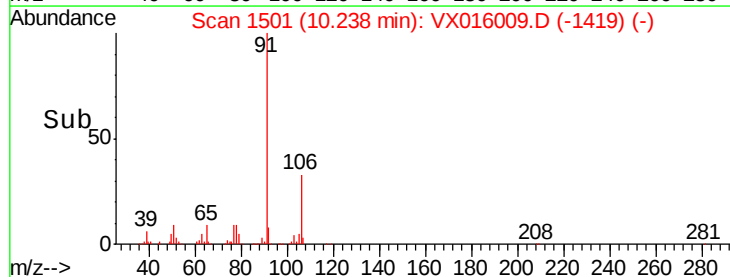
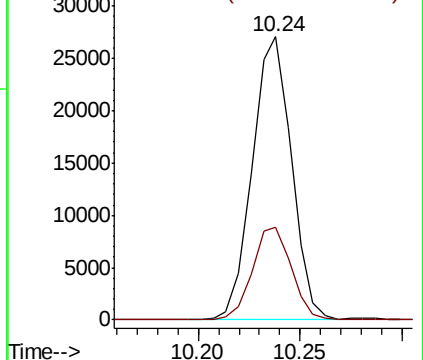
91 100

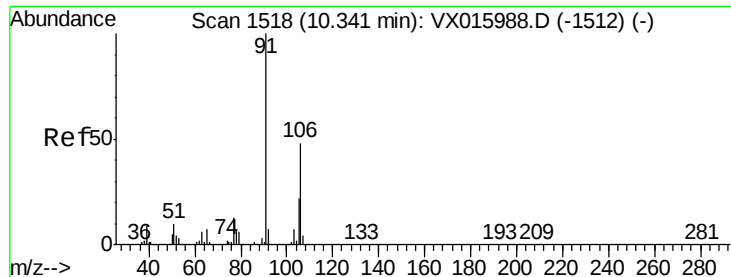
106 32.7 24.8 37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 4.719 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

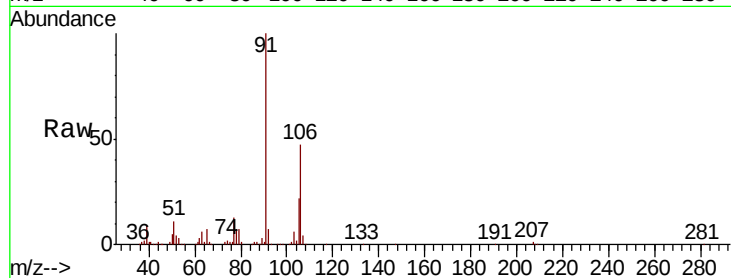
MDL-WATER-03-QT2-2020DL

Tot Ion:106 Resp: 27173

Ion Ratio Lower Upper

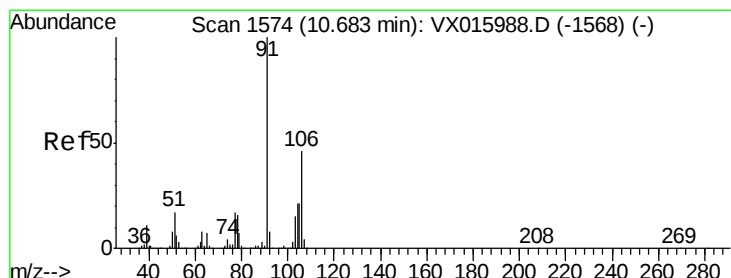
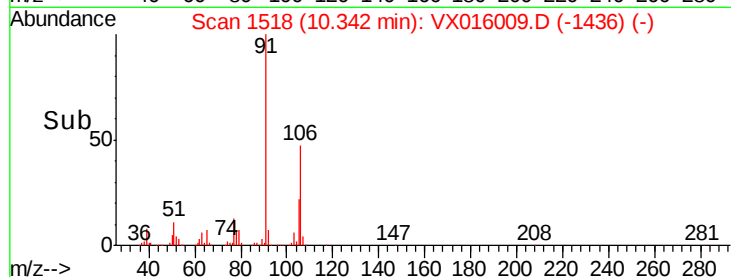
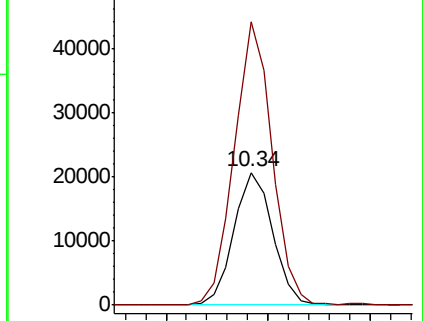
106 100

91 208.2 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#68

o-Xylene

Concen: 2.413 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX016009.D

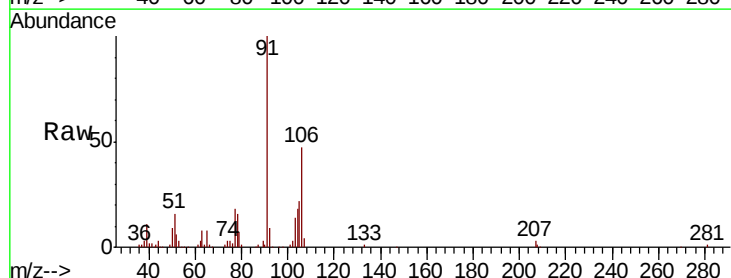
Acq: 01 May 2020 14:23

Tgt Ion:106 Resp: 13401

Ion Ratio Lower Upper

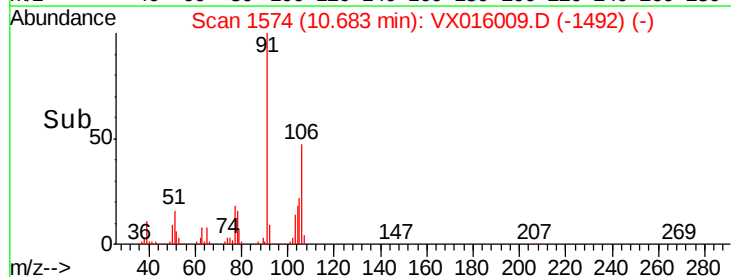
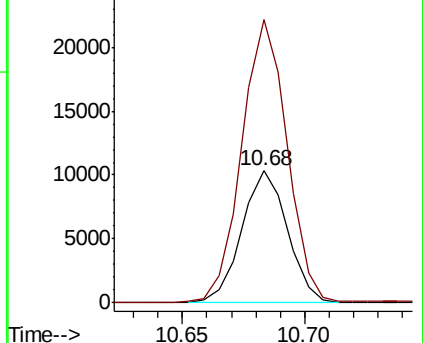
106 100

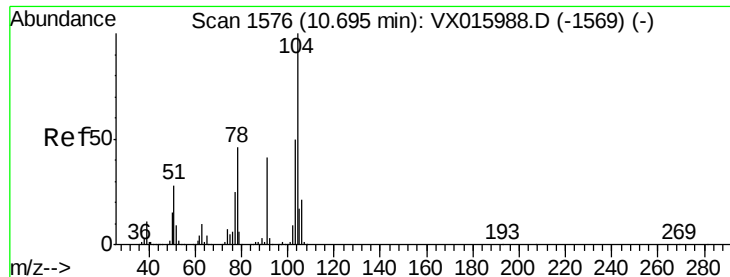
91 213.0 108.3 325.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

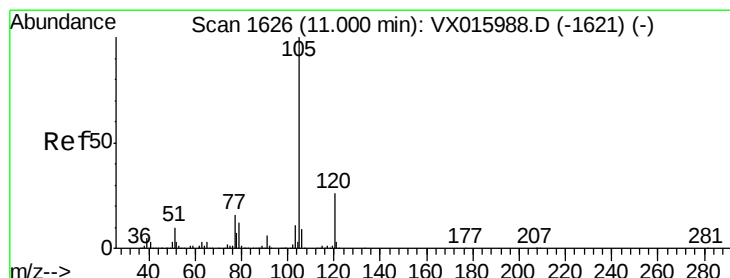
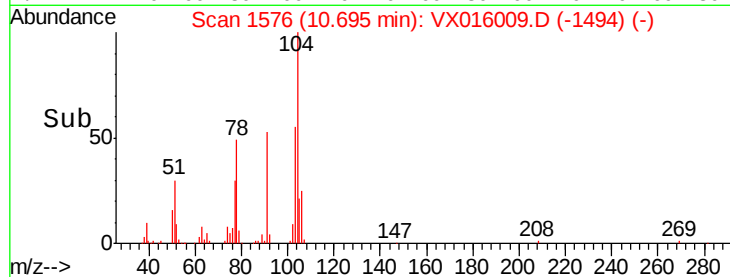
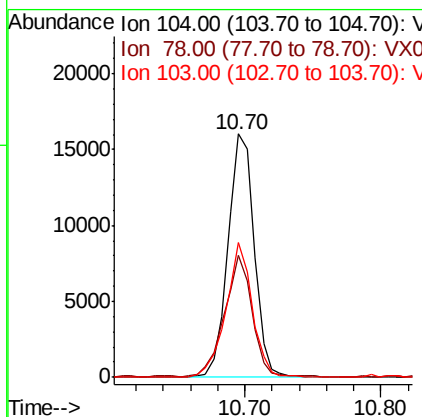
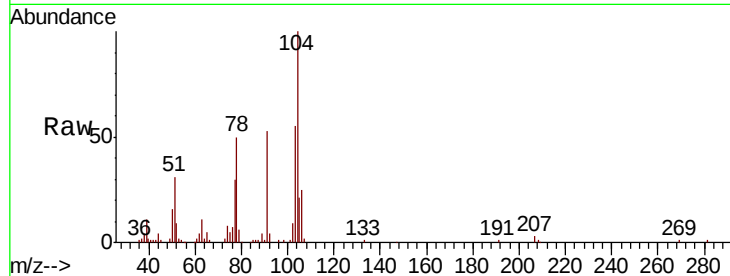




#69
Stvrene
Concen: 2.267 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

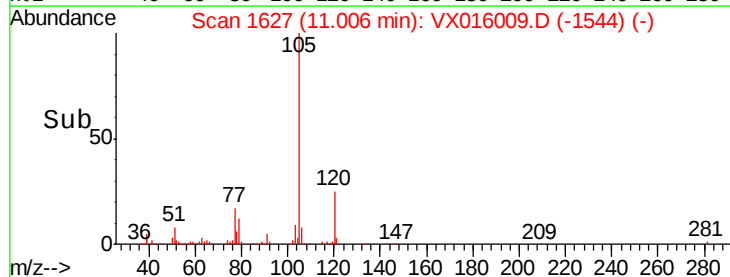
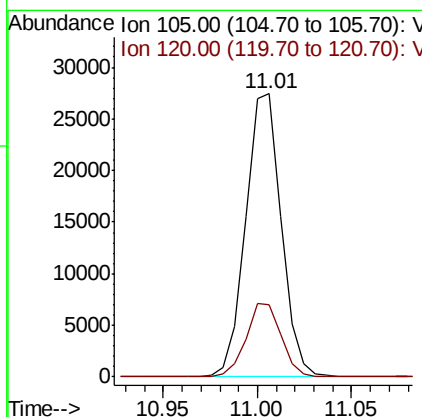
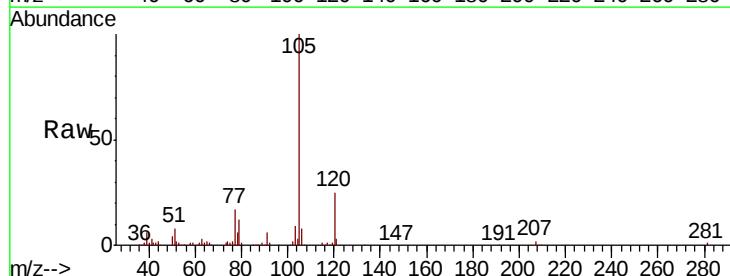
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

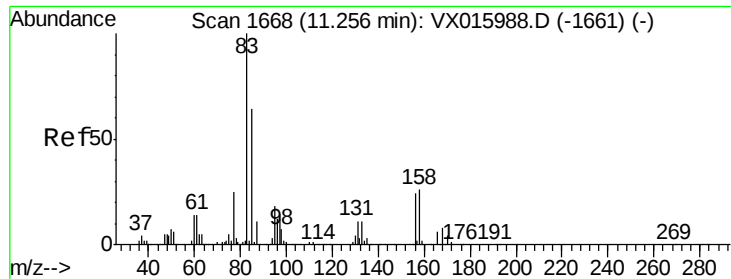
Tot Ion:104 Resp: 21544
Ion Ratio Lower Upper
104 100
78 51.9 40.7 61.1
103 55.3 43.0 64.4



#70
Isopropylbenzene
Concen: 2.399 ug/l
RT: 11.01 min Scan# 1627
Delta R.T. 0.01 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion:105 Resp: 35960
Ion Ratio Lower Upper
105 100
120 25.7 18.6 34.5





#71

1,1,2,2-Tetrachloroethane

Concen: 1.938 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

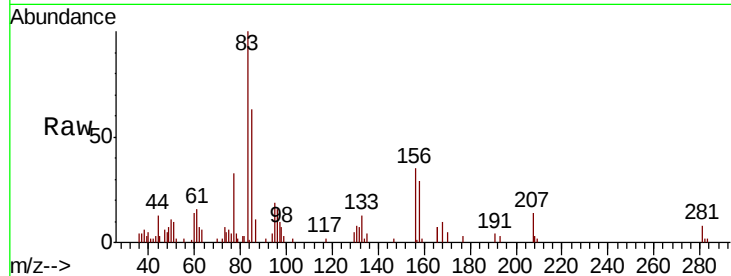
Tot Ion: 83 Resp: 5400

Ion Ratio Lower Upper

83 100

131 9.2 5.2 15.6

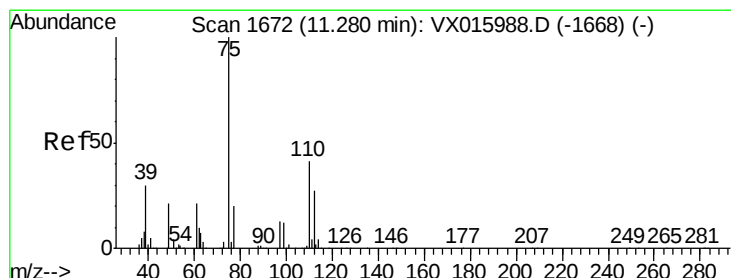
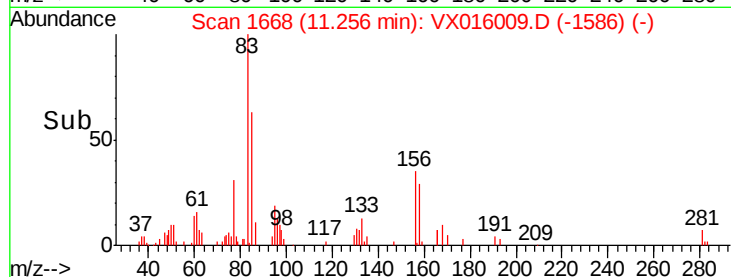
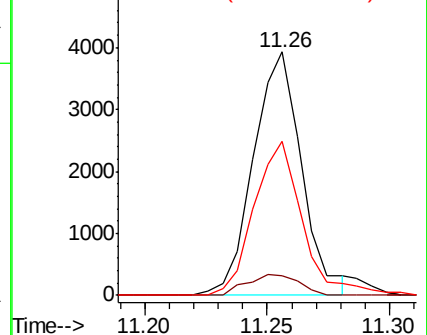
85 61.5 33.0 98.9



Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VX0



#72

1,2,3-Trichloropropane

Concen: 3.402 ug/l

RT: 11.28 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VX016009.D

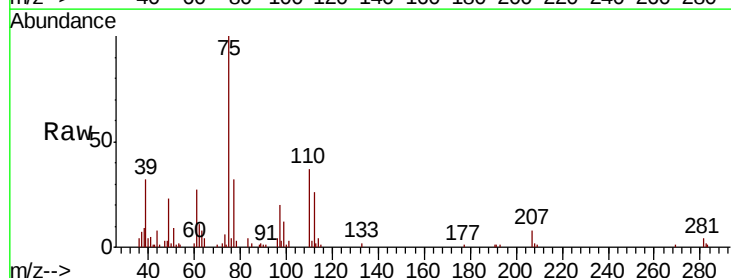
Acq: 01 May 2020 14:23

Tgt Ion: 75 Resp: 15356

Ion Ratio Lower Upper

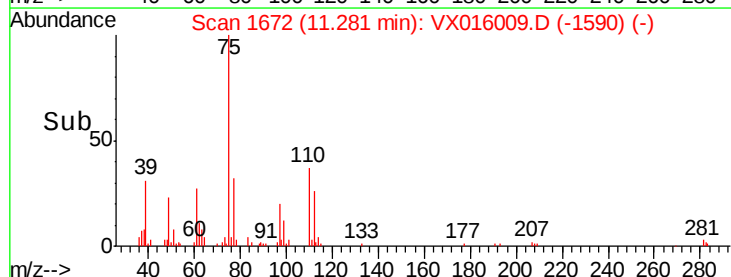
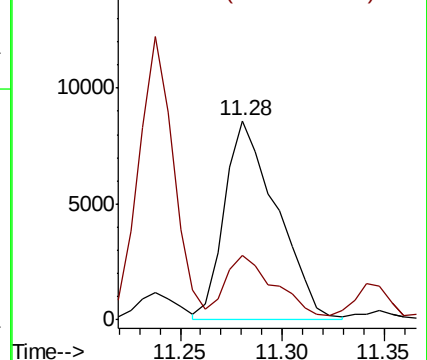
75 100

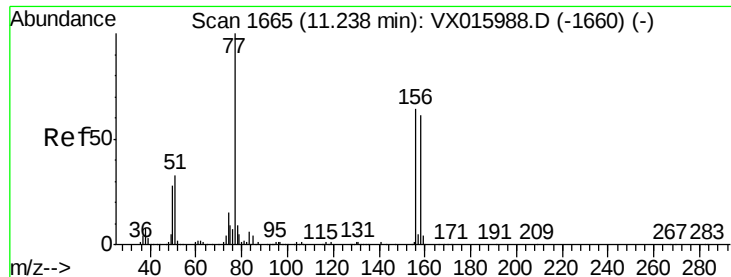
77 31.4 0.0 86.0



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#73

Bromobenzene

Concen: 2.410 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

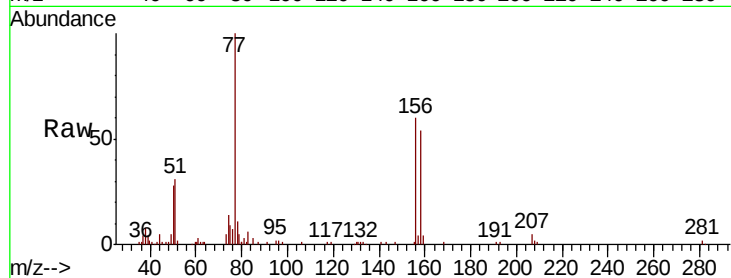
Tot Ion:156 Resp: 9106

Ion Ratio Lower Upper

156 100

77 160.1 0.0 318.0

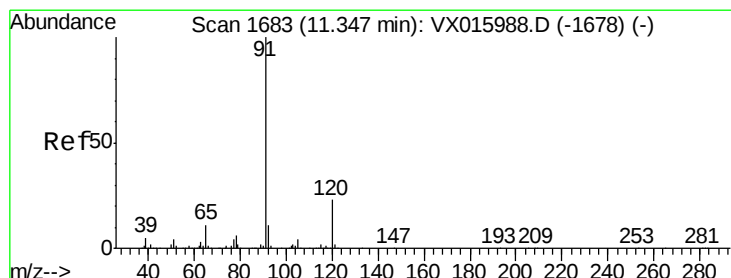
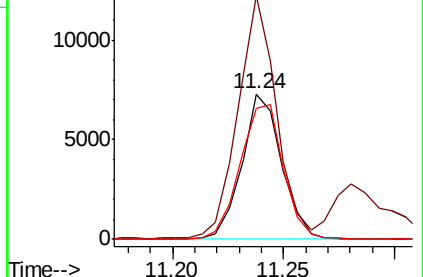
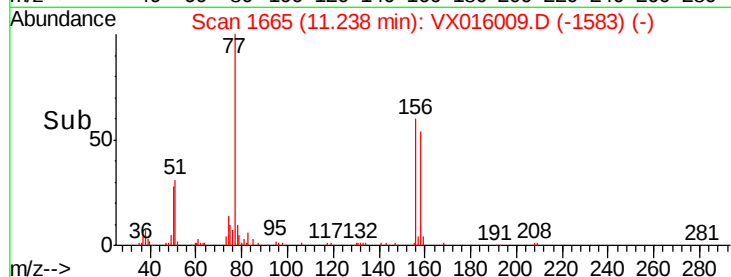
158 100.7 0.0 193.2



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 2.365 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX016009.D

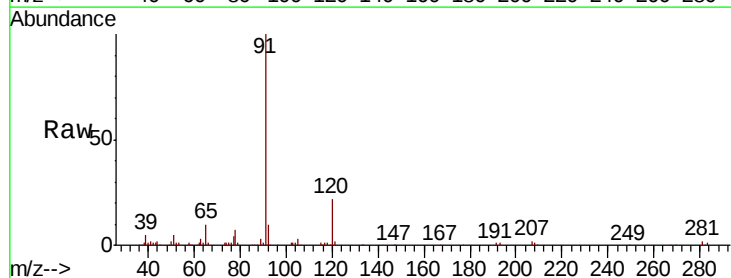
Acq: 01 May 2020 14:23

Tgt Ion: 91 Resp: 41176

Ion Ratio Lower Upper

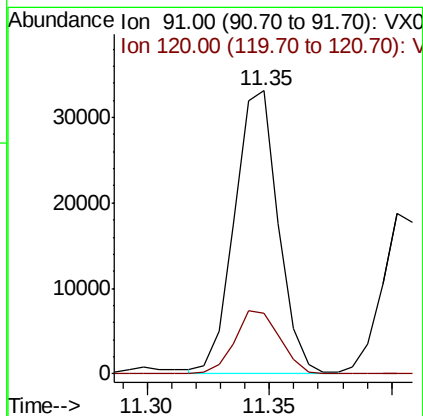
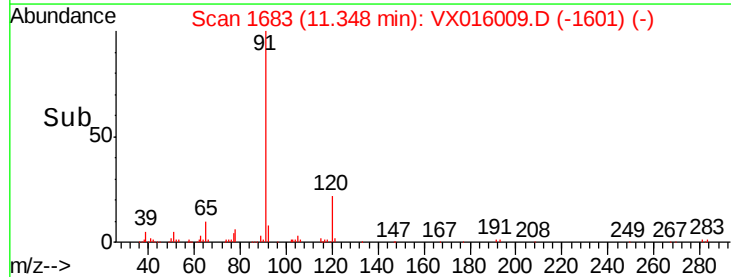
91 100

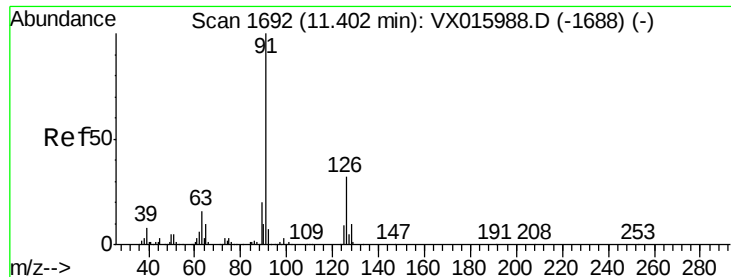
120 23.1 0.0 45.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 2.406 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

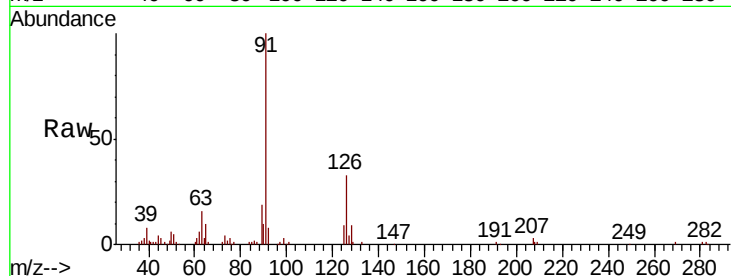
MDL-WATER-03-QT2-2020DL

Tot Ion: 91 Resp: 24620

Ion Ratio Lower Upper

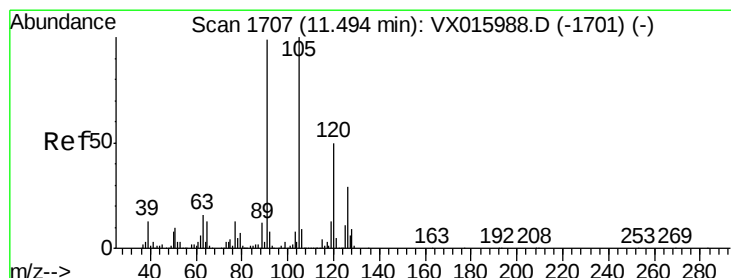
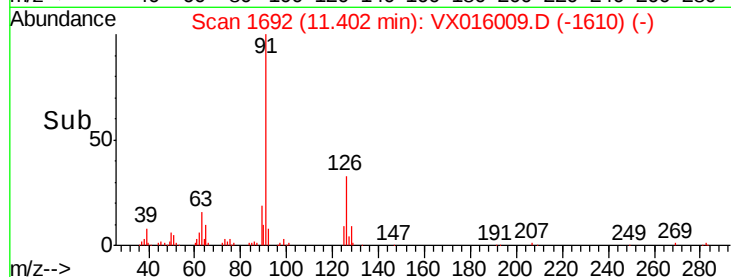
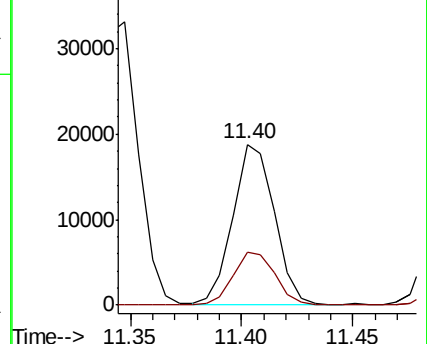
91 100

126 33.6 0.0 66.2



Abundance Ion 91.00 (90.70 to 91.70): VX015988.D (-1688) (-)

Ion 126.00 (125.70 to 126.70): VX015988.D (-1688) (-)



#76

1,3,5-Trimethylbenzene

Concen: 2.286 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016009.D

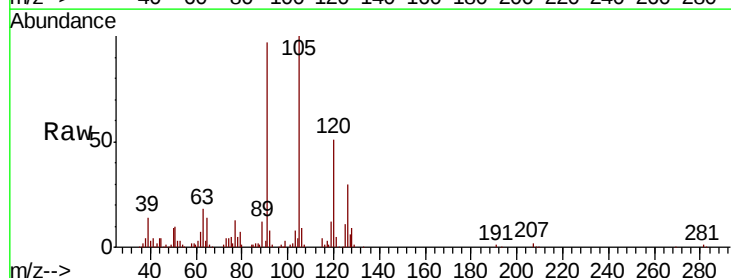
Acq: 01 May 2020 14:23

Tgt Ion: 105 Resp: 29085

Ion Ratio Lower Upper

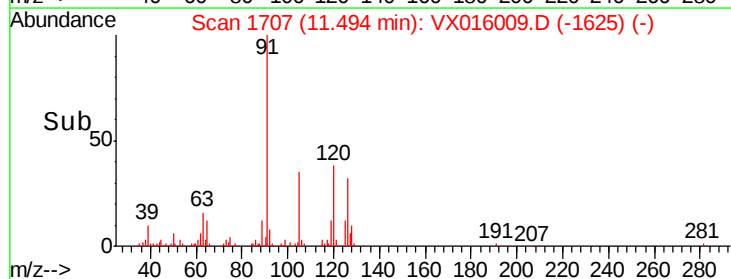
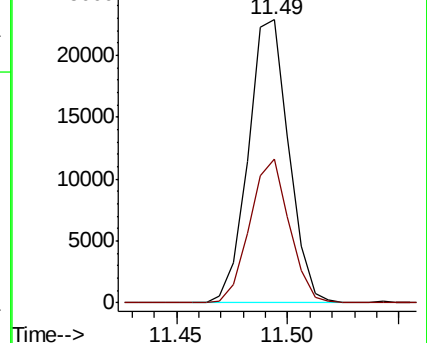
105 100

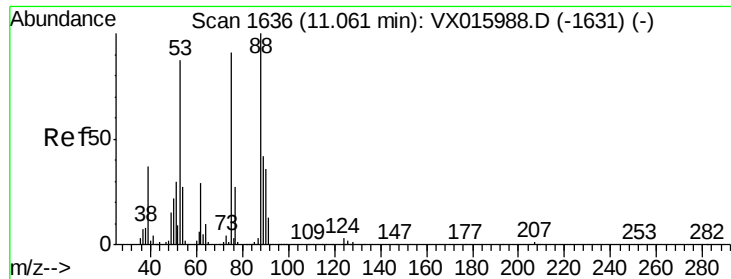
120 49.7 0.0 99.4



Abundance Ion 105.00 (104.70 to 105.70): VX015988.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX015988.D (-1701) (-)

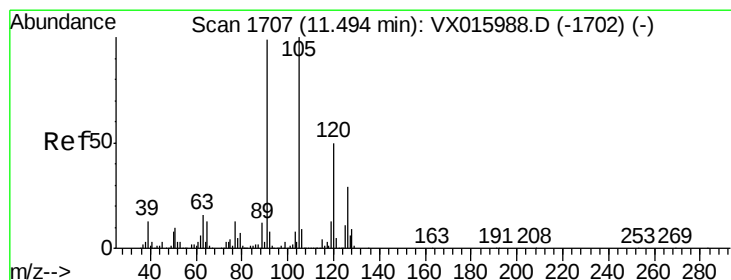
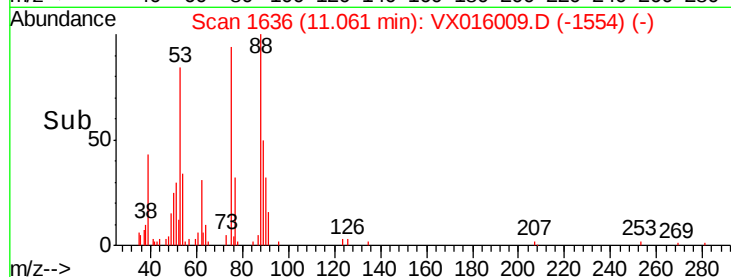
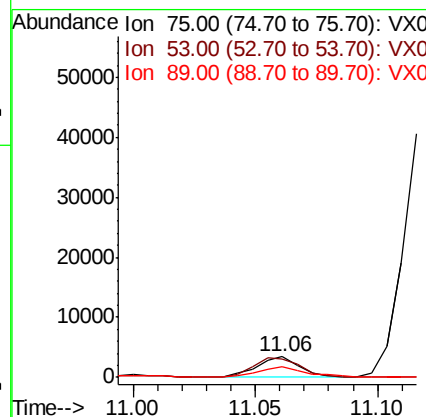
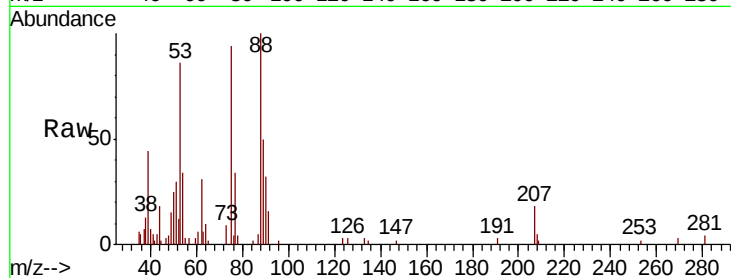




#77
t-1,4-Dichloro-2-butene
Concen: 2.220 ug/l
RT: 11.06 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

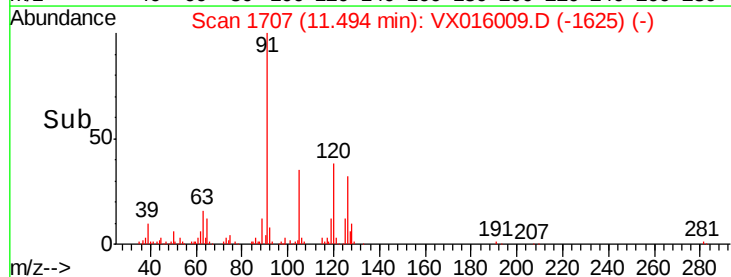
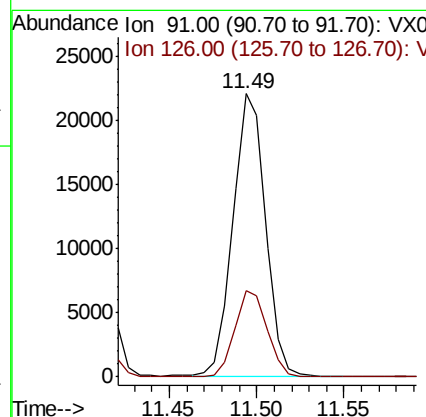
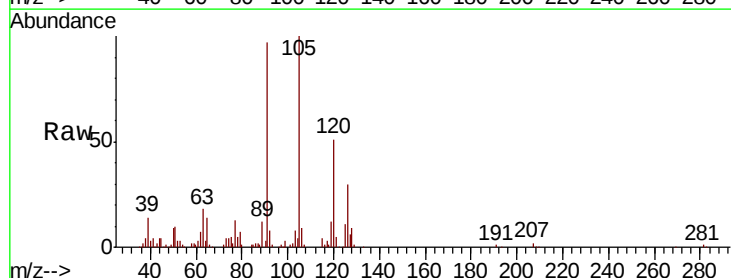
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

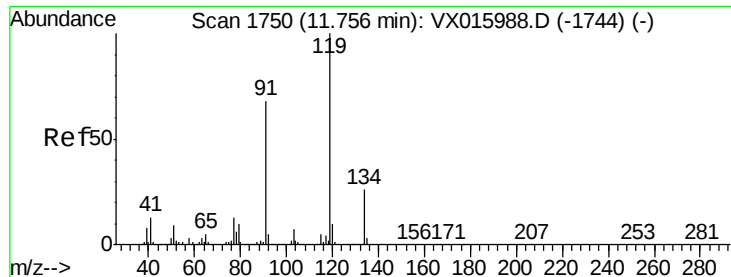
Tot Ion: 75 Resp: 4309
Ion Ratio Lower Upper
75 100
53 91.1 48.0 144.2
89 51.7 23.4 70.3



#78
4-Chlorotoluene
Concen: 2.368 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 91 Resp: 28680
Ion Ratio Lower Upper
91 100
126 30.1 0.0 58.4





#79

tert-butylbenzene

Concen: 2.300 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

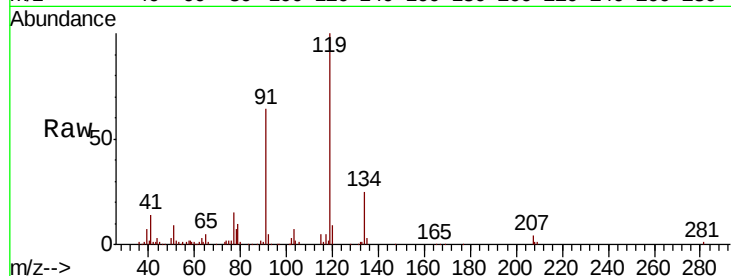
Tot Ion:119 Resp: 25001

Ion Ratio Lower Upper

119 100

91 65.0 0.0 135.6

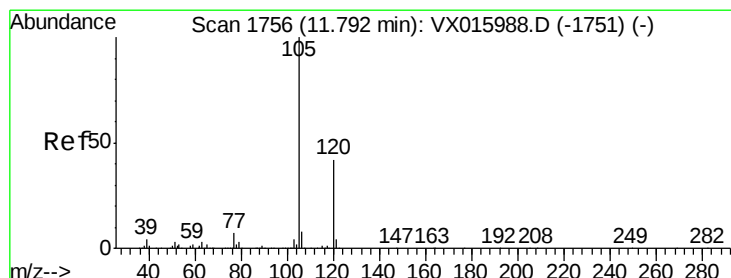
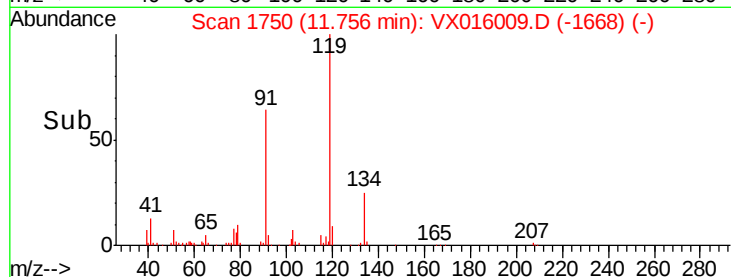
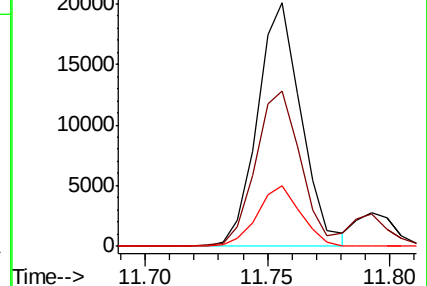
134 24.8 0.0 51.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 2.312 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VX016009.D

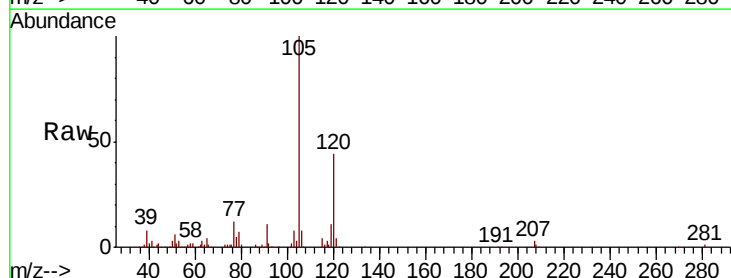
Acq: 01 May 2020 14:23

Tgt Ion:105 Resp: 29398

Ion Ratio Lower Upper

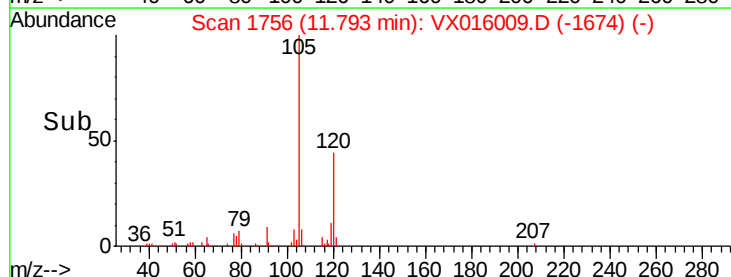
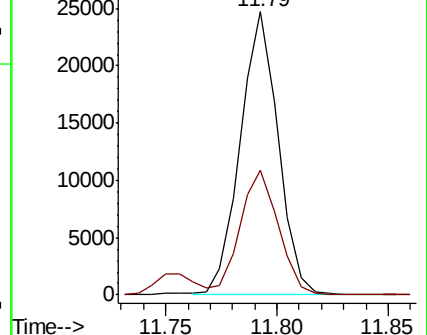
105 100

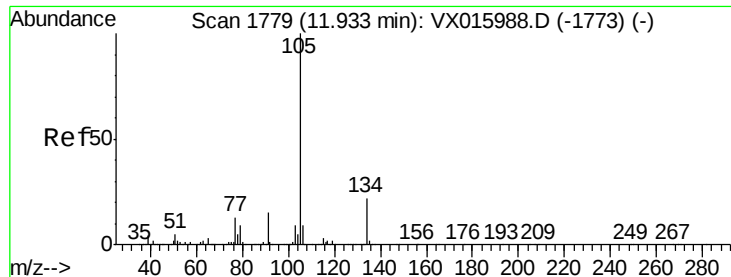
120 44.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

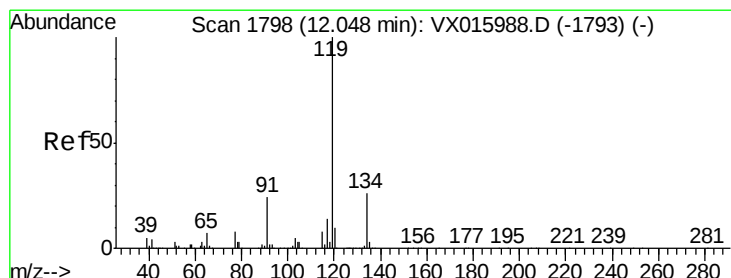
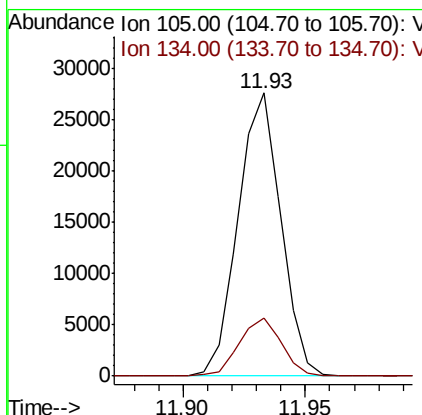
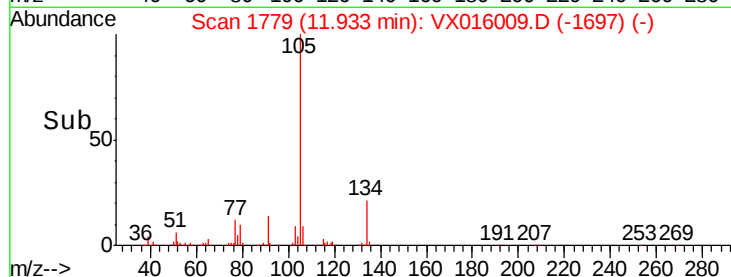
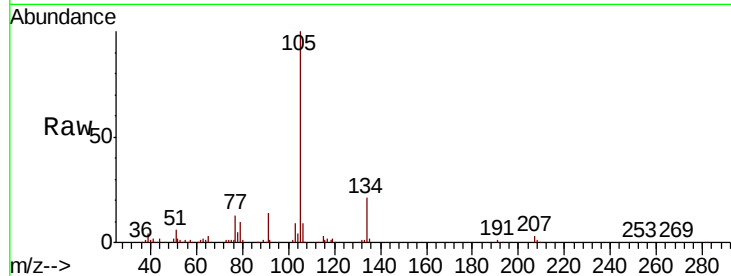




#81
 sec-Butylbenzene
 Concen: 2.293 ug/l
 RT: 11.93 min Scan# 1779
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

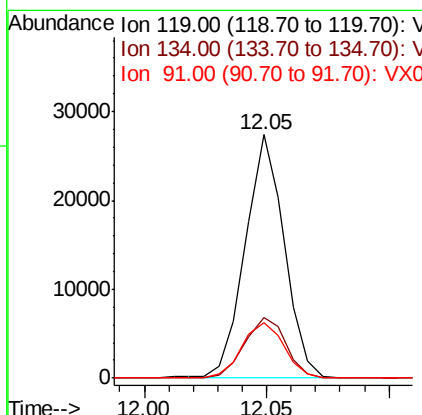
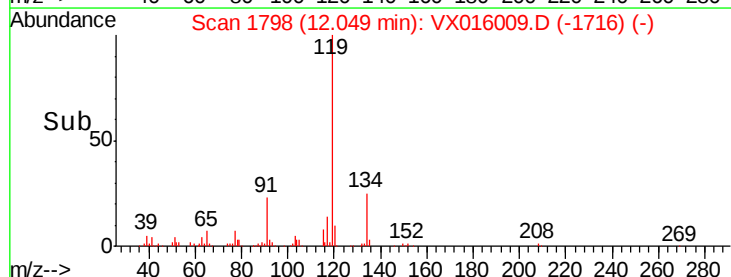
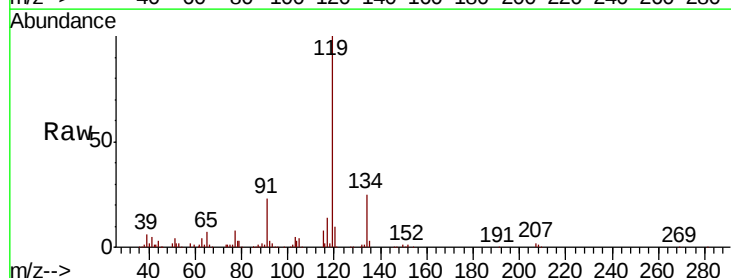
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

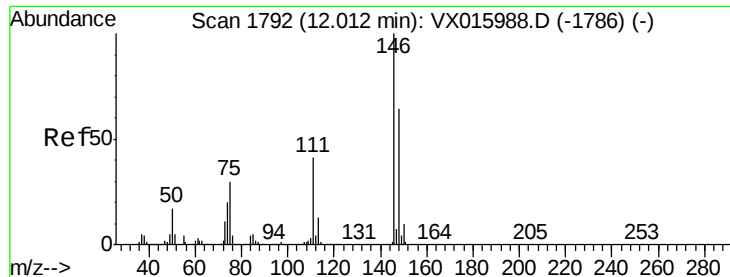
Tot Ion:105 Resp: 33612
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 41.2



#82
 p-Isopropyltoluene
 Concen: 2.240 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion:119 Resp: 30432
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.6
 91 24.9 0.0 47.6

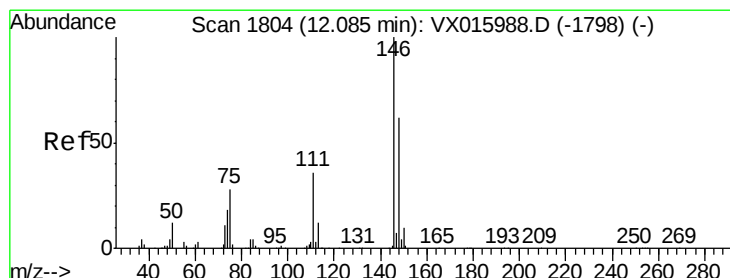
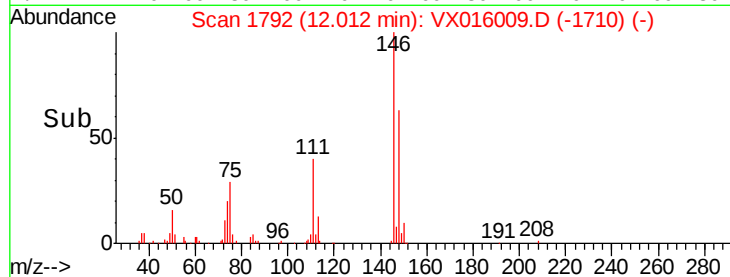
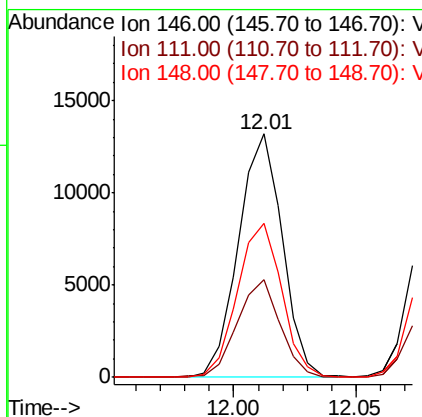
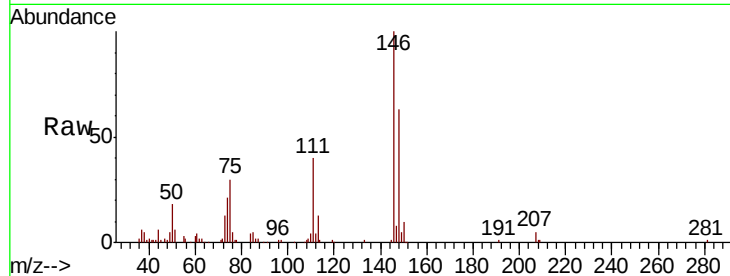




#83
 1,3-Dichlorobenzene
 Concen: 2.432 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

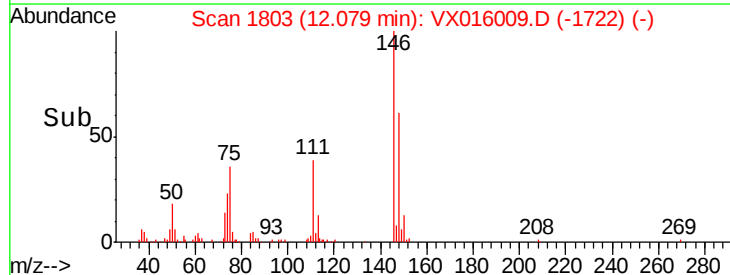
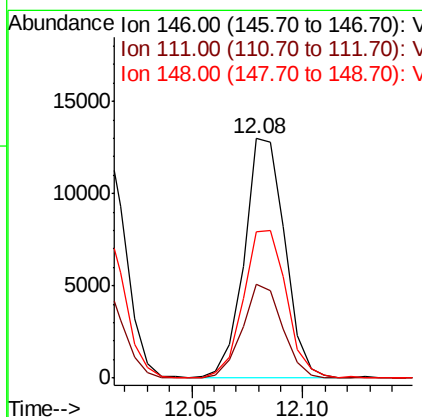
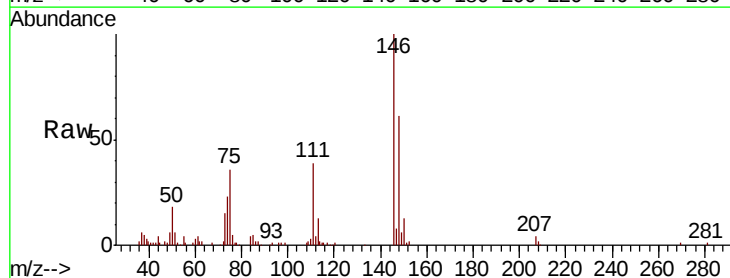
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

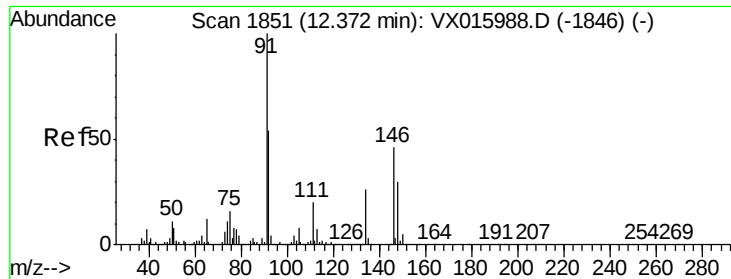
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.4	61.3
148	63.7	31.9	95.9



#84
 1,4-Dichlorobenzene
 Concen: 2.455 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	65.0	32.0	96.0

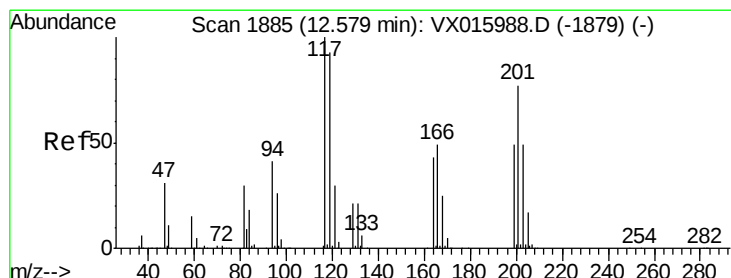
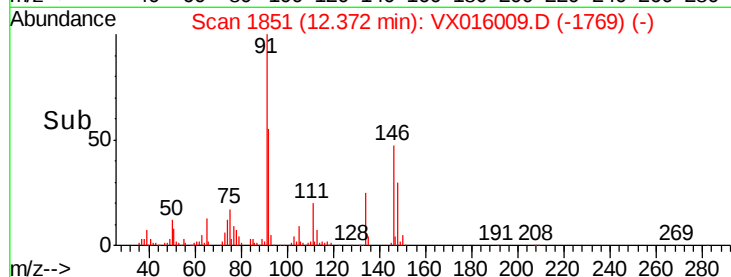
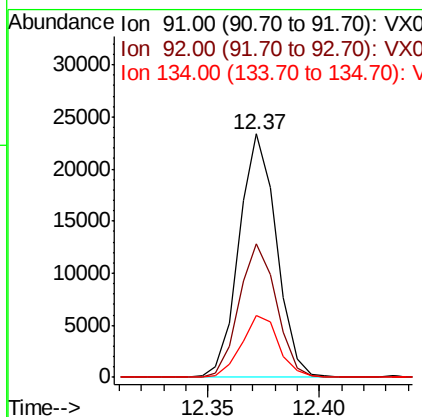
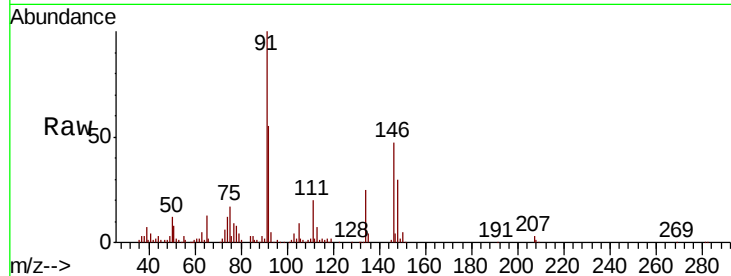




#85
n-Butylbenzene
Concen: 2.202 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

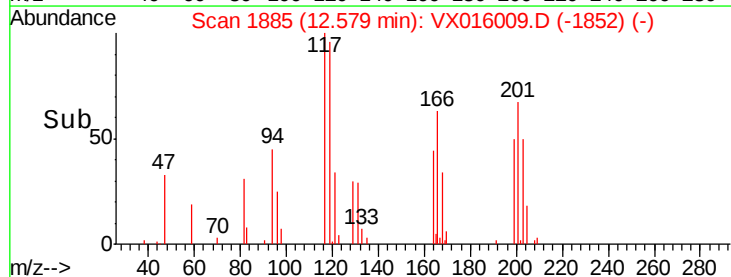
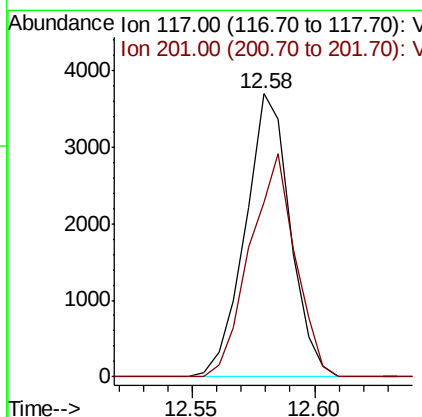
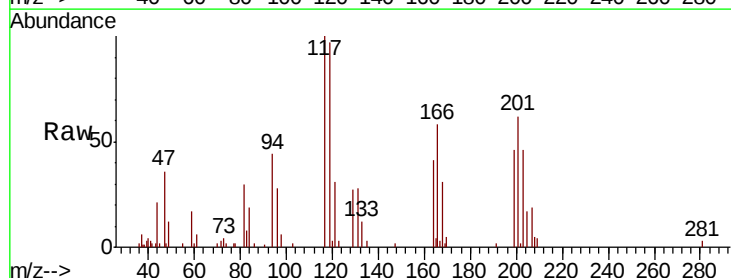
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

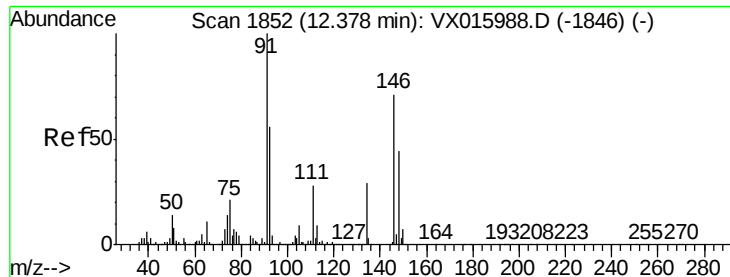
Tot Ion: 91 Resp: 27323
Ion Ratio Lower Upper
91 100
92 54.9 0.0 110.2
134 25.4 0.0 53.4



#86
Hexachloroethane
Concen: 1.974 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion: 117 Resp: 4721
Ion Ratio Lower Upper
117 100
201 79.7 40.1 120.2

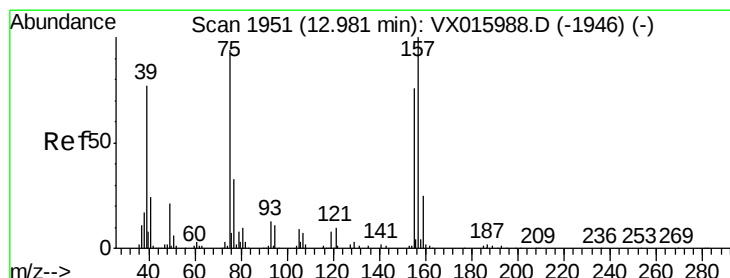
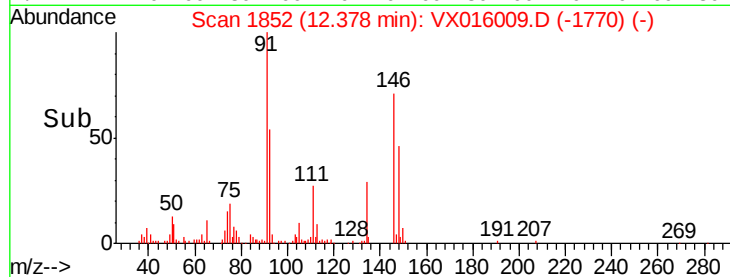
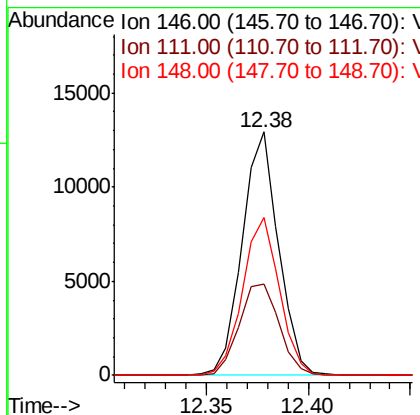
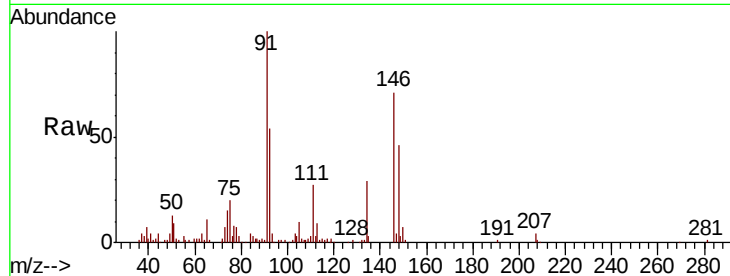




#87
 1,2-Dichlorobenzene
 Concen: 2.428 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

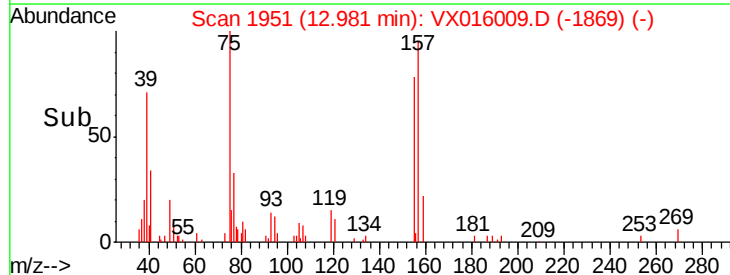
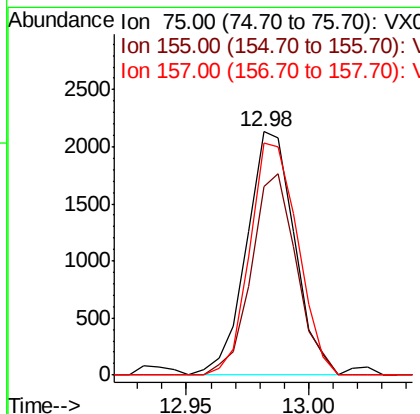
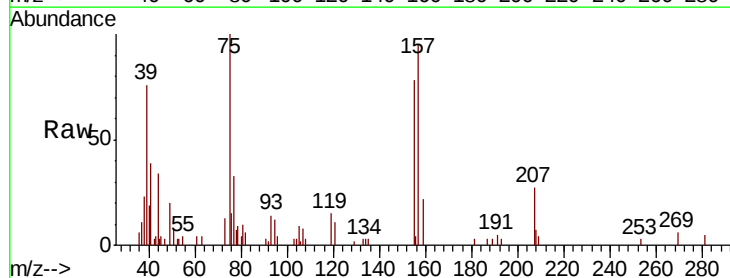
Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT2-2020DL

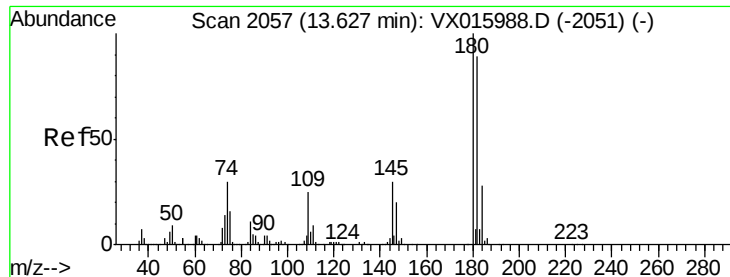
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.7	62.1
148	65.5	32.0	96.2



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 2.489 ug/l
 RT: 12.98 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VX016009.D
 Acq: 01 May 2020 14:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.0	66.9	100.3
157	95.3	88.2	132.2

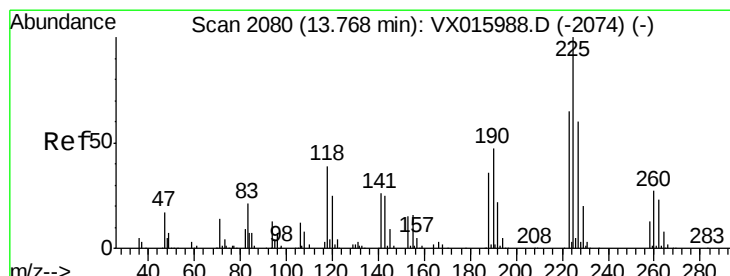
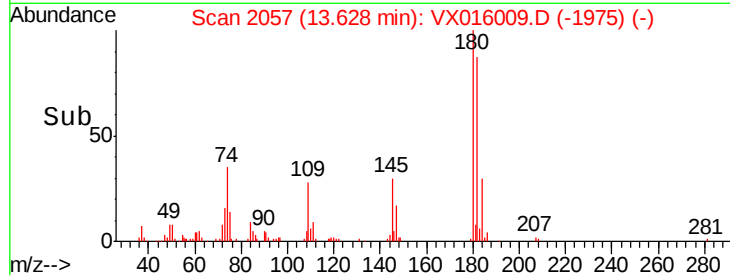
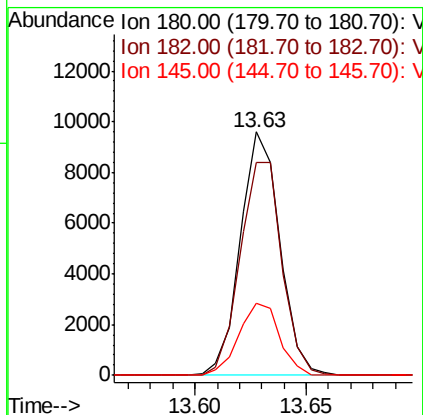
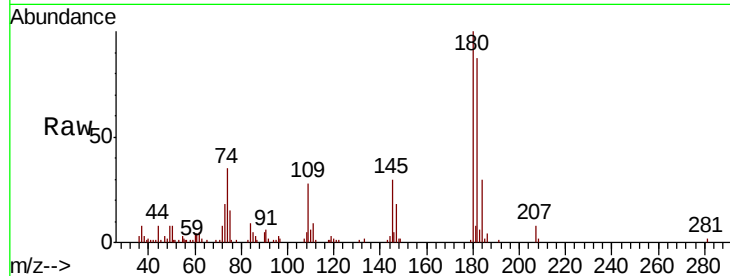




#89
1,2,4-Trichlorobenzene
Concen: 2.454 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

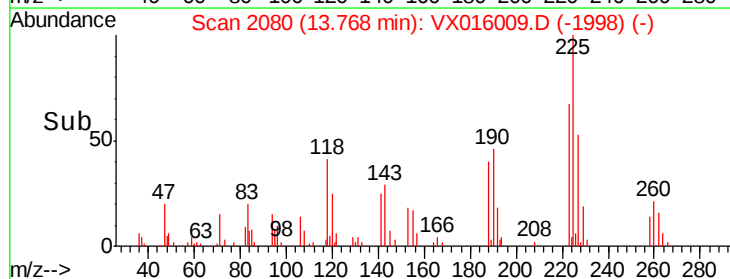
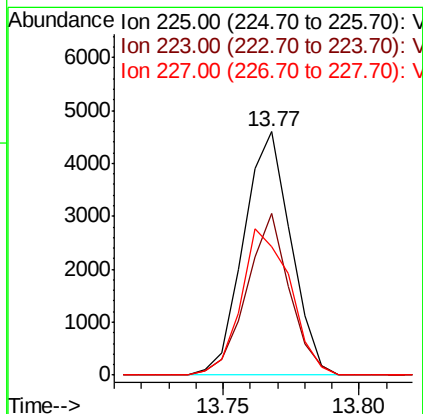
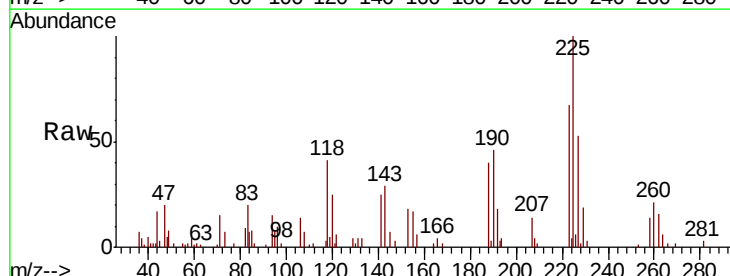
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT2-2020DL

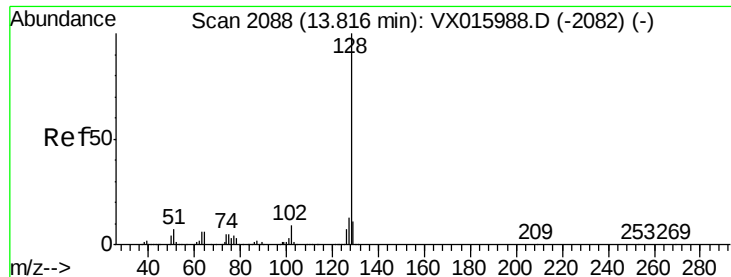
Tot Ion:180 Resp: 11906
Ion Ratio Lower Upper
180 100
182 92.6 75.0 112.6
145 30.4 23.9 35.9



#90
Hexachlorobutadiene
Concen: 2.652 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX016009.D
Acq: 01 May 2020 14:23

Tgt Ion:225 Resp: 5530
Ion Ratio Lower Upper
225 100
223 60.4 0.0 123.6
227 62.6 0.0 123.6





#91

Naphthalene

Concen: 2.324 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT2-2020DL

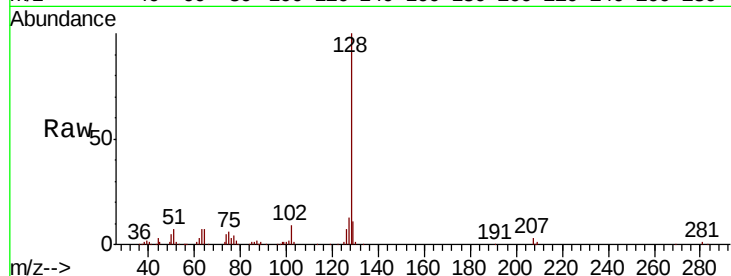
Tot Ion:128 Resp: 35898

Ion Ratio Lower Upper

128 100

127 13.7 10.5 15.7

129 11.3 8.6 13.0

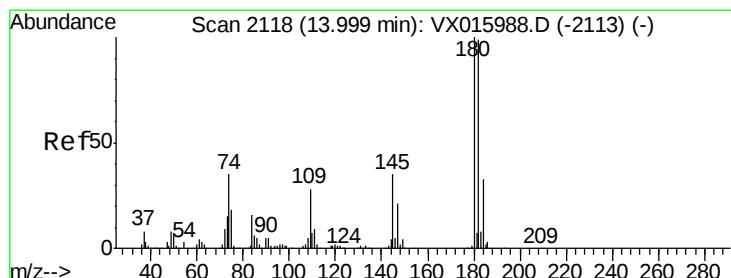
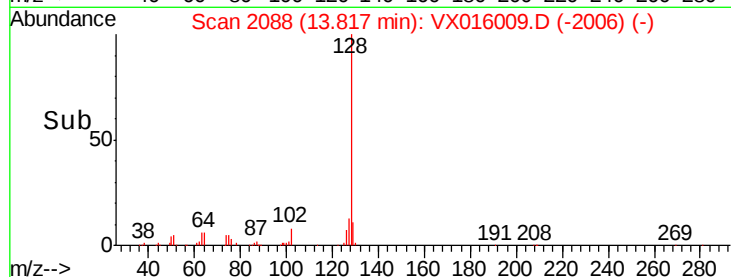
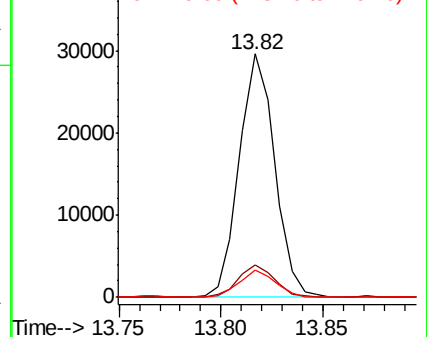


Abundance

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



#92

1,2,3-Trichlorobenzene

Concen: 2.472 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016009.D

Acq: 01 May 2020 14:23

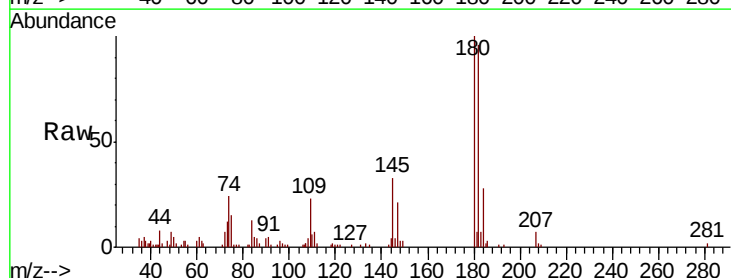
Tgt Ion:180 Resp: 11521

Ion Ratio Lower Upper

180 100

182 92.6 0.0 197.2

145 33.8 0.0 66.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

