

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020623\
 Data File : VX034021.D
 Acq On : 06 Feb 2023 12:34
 Operator : JC/MD
 Sample : 01378-02
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-QT1-2023-02

Quant Time: Feb 07 03:29:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 07 03:27:39 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	239811	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	205415	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	110786	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	59853	37.476	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	74.960%		
7) Chloroethane-d5	1.666	69	44994	46.405	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	92.820%		
11) 1,1-Dichloroethene-d2	2.307	63	99483	33.994	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.980%		
21) 2-Butanone-d5	4.446	46	100173	109.397	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	109.400%		
24) Chloroform-d	5.056	84	134549	46.965	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.940%		
26) 1,2-Dichloroethane-d4	5.952	65	85408	49.410	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.820%		
32) Benzene-d6	5.971	84	283179	48.092	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.180%		
36) 1,2-Dichloropropane-d6	7.306	67	87173	50.076	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.160%		
41) Toluene-d8	8.647	98	263342	47.145	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.300%		
43) trans-1,3-Dichloroprop...	8.946	79	37804	47.853	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	95.700%		
47) 2-Hexanone-d5	9.385	63	72537	111.114	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	111.110%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114808	52.595	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.180%		
66) 1,2-Dichlorobenzene-d4	12.317	152	113206	51.052	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.100%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	4080	2.287	ug/L	92
3) Chloromethane	1.295	50	3456	2.122	ug/L	95
5) Vinyl chloride	1.374	62	3438	2.088	ug/L #	66
6) Bromomethane	1.612	94	1832	2.145	ug/L	95
8) Chloroethane	1.685	64	2029	2.318	ug/L	100
9) Trichlorofluoromethane	1.886	101	5333	2.285	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	4731	2.931	ug/L #	86
12) 1,1-Dichloroethene	2.319	96	4107	2.782	ug/L #	1
13) Acetone	2.374	43	4899	5.200	ug/L	99
14) Carbon disulfide	2.514	76	8806	2.204	ug/L	100
15) Methyl Acetate	2.703	43	3522	2.347	ug/L	99
16) Methylene chloride	2.788	84	3979	2.545	ug/L	95
17) trans-1,2-Dichloroethene	3.087	96	3621	2.376	ug/L	95
18) Methyl tert-butyl Ether	3.111	73	10121	2.281	ug/L	96
19) 1,1-Dichloroethane	3.605	63	5964	2.242	ug/L	99
20) cis-1,2-Dichloroethene	4.483	96	3857	2.214	ug/L	95
22) 2-Butanone	4.562	43	5934	5.070	ug/L	81
23) Bromochloromethane	4.898	128	2079	2.174	ug/L #	92
25) Chloroform	5.093	83	7842	2.855	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

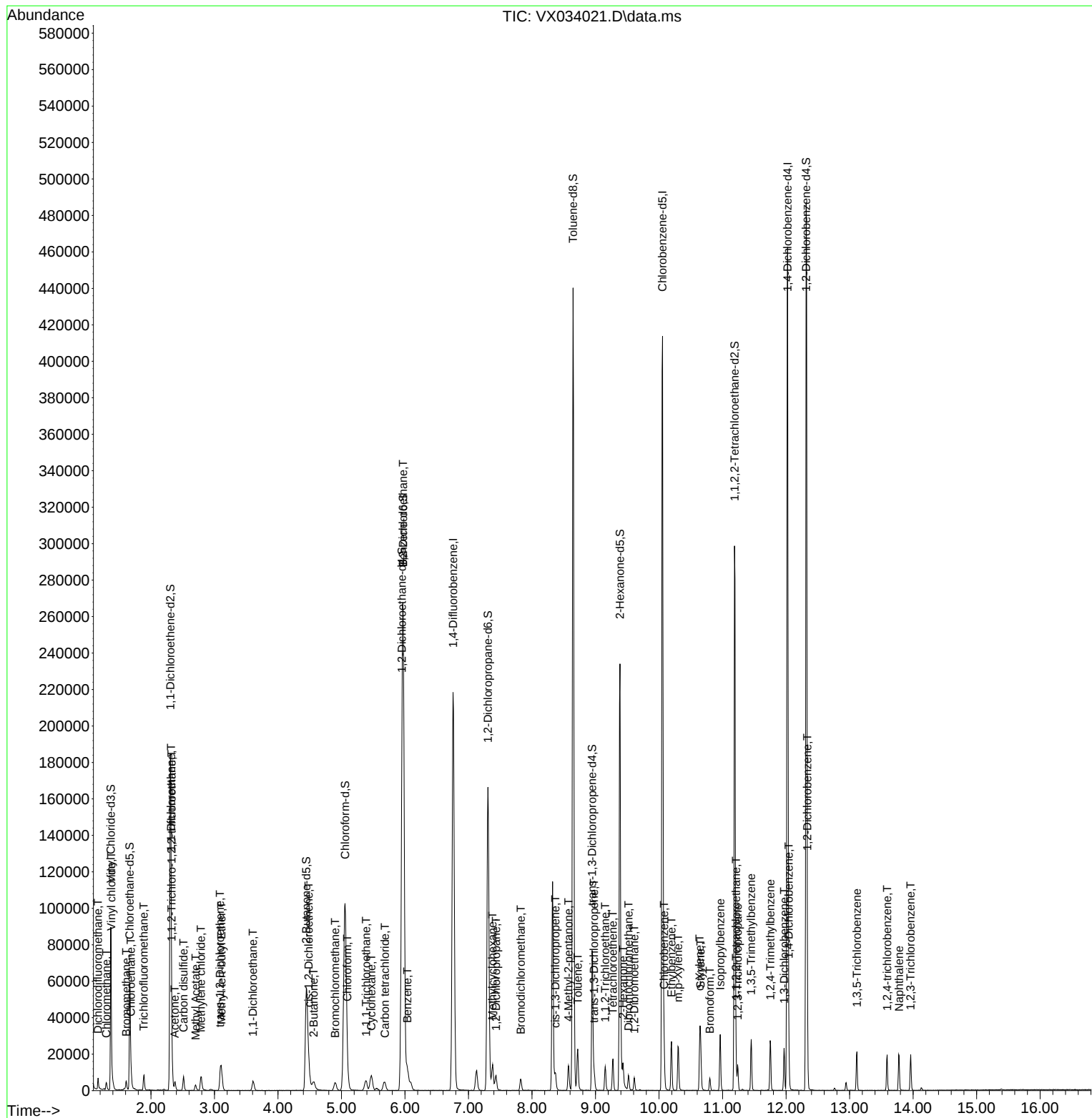
27) 1,2-Dichloroethane	5.971	62	1622	0.769	ug/L	99
29) Cyclohexane	5.471	56	5706	2.271	ug/L #	91
30) 1,1,1-Trichloroethane	5.385	97	5269	2.269	ug/L #	91
31) Carbon tetrachloride	5.684	117	4874	2.256	ug/L	100
33) Benzene	6.038	78	13556	2.219	ug/L	100
35) Methylcyclohexane	7.379	83	6324	2.396	ug/L	97
37) 1,2-Dichloropropane	7.434	63	3557	2.286	ug/L #	92
38) Bromodichloromethane	7.824	83	4380	2.214	ug/L #	98
39) cis-1,3-Dichloropropene	8.366	75	5264	2.204	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	8577	4.480	ug/L	99
42) Toluene	8.720	91	15386	2.355	ug/L	96
44) trans-1,3-Dichloropropene	8.976	75	4657	2.192	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	3782	2.401	ug/L	95
46) Tetrachloroethene	9.275	164	3814	2.400	ug/L	97
48) 2-Hexanone	9.433	43	8146	5.339	ug/L	92
49) Dibromochloromethane	9.519	129	3771	2.219	ug/L	94
50) 1,2-Dibromoethane	9.610	107	4065	2.402	ug/L	93
51) Chlorobenzene	10.080	112	10249	2.322	ug/L	98
52) Ethylbenzene	10.195	91	16328	2.274	ug/L	98
53) m,p-Xylene	10.299	106	6562	2.277	ug/L	99
54) o-Xylene	10.640	106	6180	2.219	ug/L	99
55) Styrene	10.653	104	9660	2.068	ug/L	100
57) 1,1,2,2-Tetrachloroethane	11.213	83	5945	2.685	ug/L	96
59) Bromoform	10.799	173	2802	2.078	ug/L	97
60) Isopropylbenzene	10.964	105	16631	2.298	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	4025	2.393	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	12962	2.188	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	12661	2.168	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	8392	2.332	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	8863	2.433	ug/L	96
67) 1,2-Dichlorobenzene	12.335	146	8480	2.410	ug/L	97
69) 1,3,5-Trichlorobenzene	13.116	180	5955	2.194	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	5440	2.208	ug/L	99
71) Naphthalene	13.780	128	13685	2.006	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	5555	2.284	ug/L	98

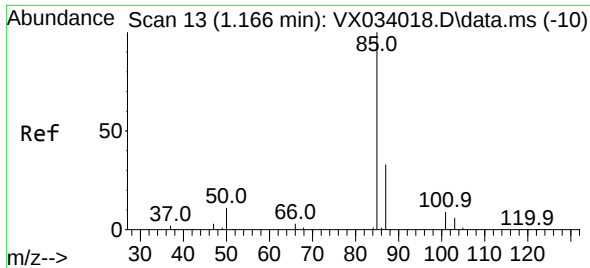
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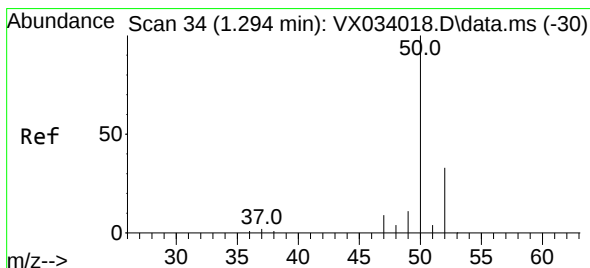
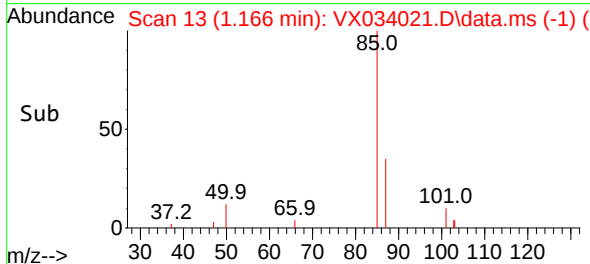
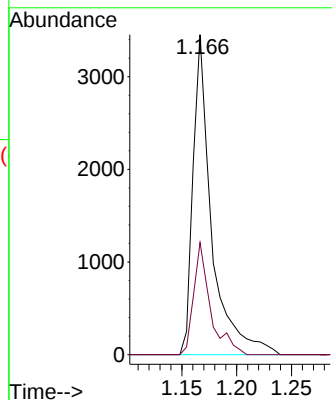
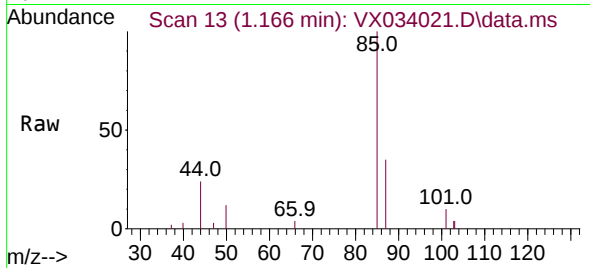




#2
 Dichlorodifluoromethane
 Concen: 2.287 ug/L
 RT: 1.166 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX034021.D
 Acq: 06 Feb 2023 12:34

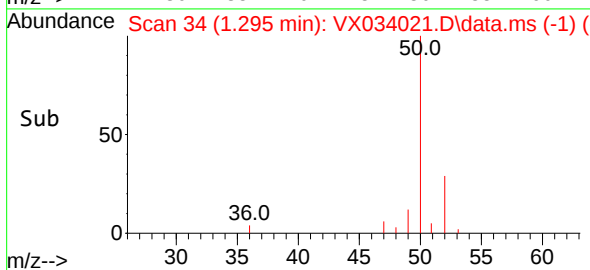
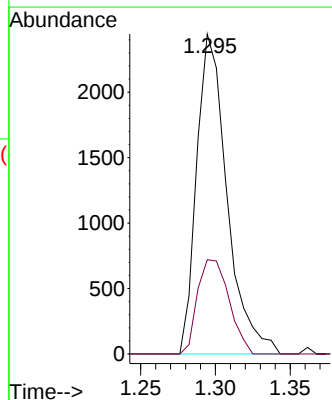
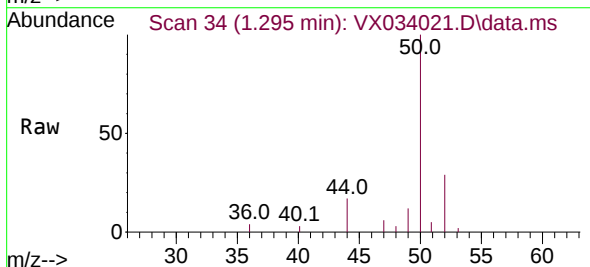
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 ClientSampleId :
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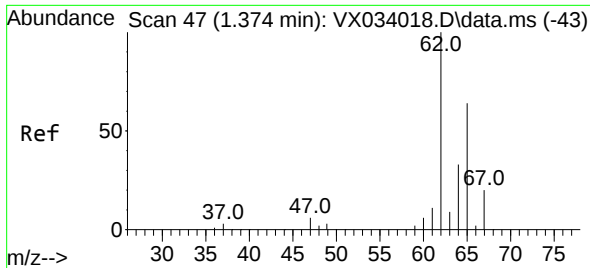
Tgt Ion: 85 Resp: 4080
 Ion Ratio Lower Upper
 85 100
 87 28.2 25.9 38.9



#3
 Chloromethane
 Concen: 2.122 ug/L
 RT: 1.295 min Scan# 34
 Delta R.T. 0.000 min
 Lab File: VX034021.D
 Acq: 06 Feb 2023 12:34

Tgt Ion: 50 Resp: 3456
 Ion Ratio Lower Upper
 50 100
 52 29.4 22.5 41.7

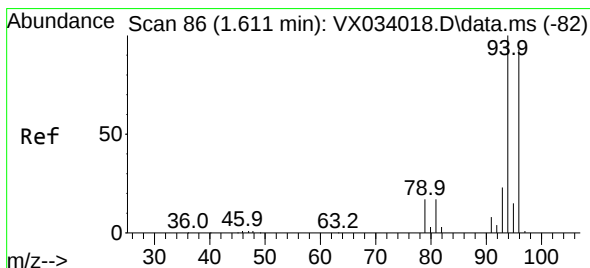
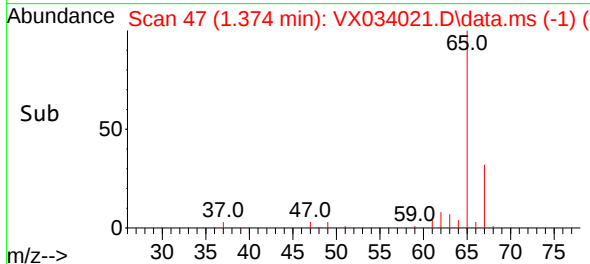
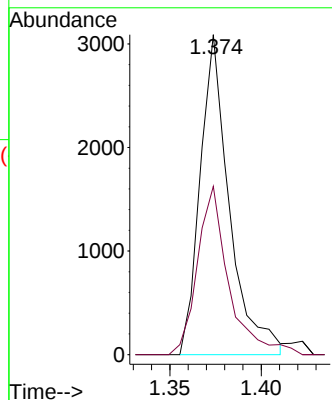
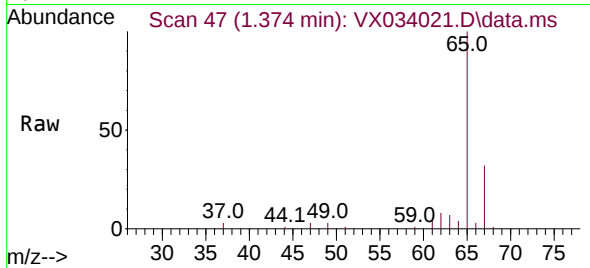




#5
 Vinyl chloride
 Concen: 2.088 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VX034021.D
 Acq: 06 Feb 2023 12:34

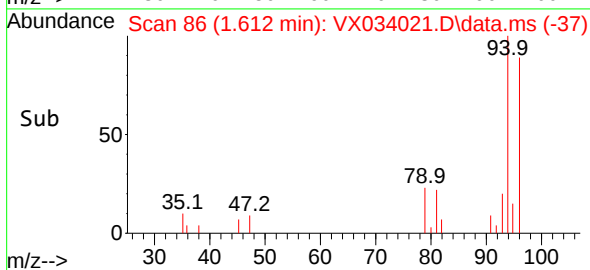
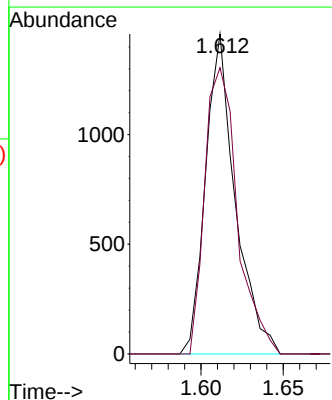
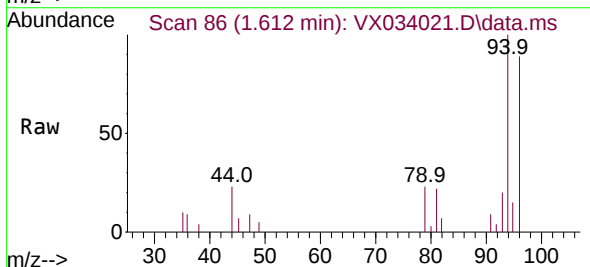
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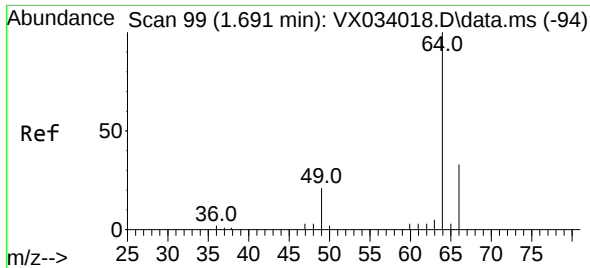
Tgt Ion: 62 Resp: 3438
 Ion Ratio Lower Upper
 62 100
 64 52.6 23.2 43.0#



#6
 Bromomethane
 Concen: 2.145 ug/L
 RT: 1.612 min Scan# 86
 Delta R.T. 0.000 min
 Lab File: VX034021.D
 Acq: 06 Feb 2023 12:34

Tgt Ion: 94 Resp: 1832
 Ion Ratio Lower Upper
 94 100
 96 89.4 65.7 122.1

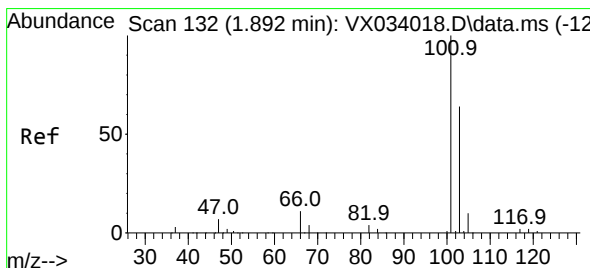
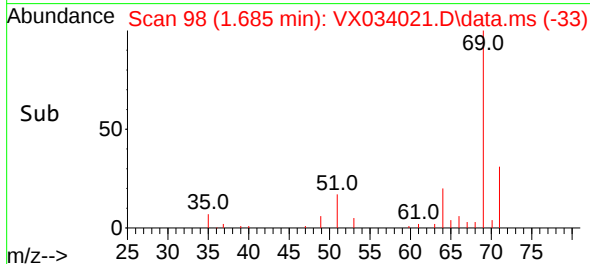
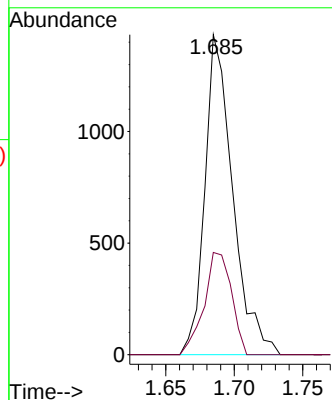
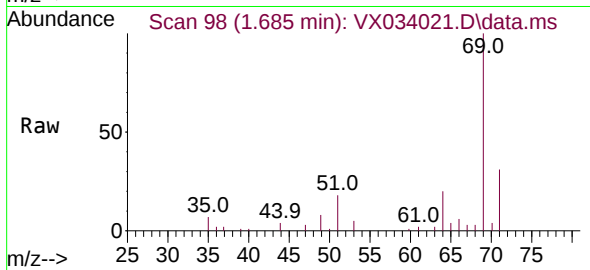




#8
Chloroethane
Concen: 2.318 ug/L
RT: 1.685 min Scan# 99
Delta R.T. -0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

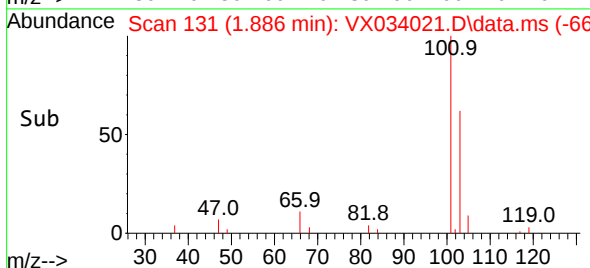
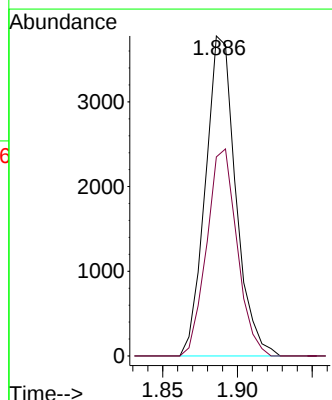
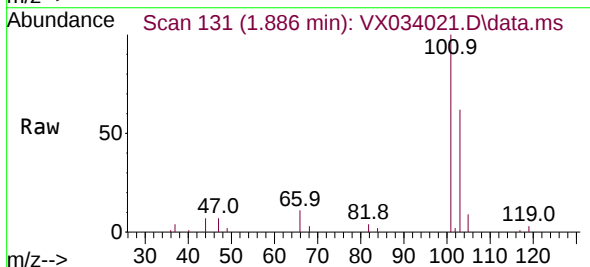
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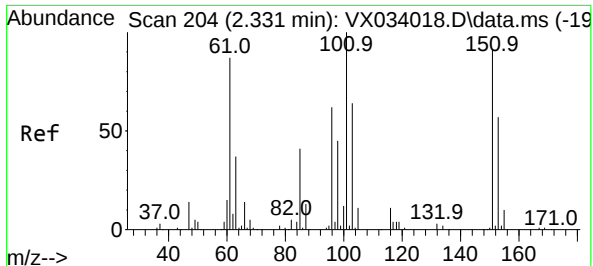
Tgt Ion: 64 Resp: 2029
Ion Ratio Lower Upper
64 100
66 31.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 2.285 ug/L
RT: 1.886 min Scan# 131
Delta R.T. -0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 101 Resp: 5333
Ion Ratio Lower Upper
101 100
103 64.7 52.6 78.8

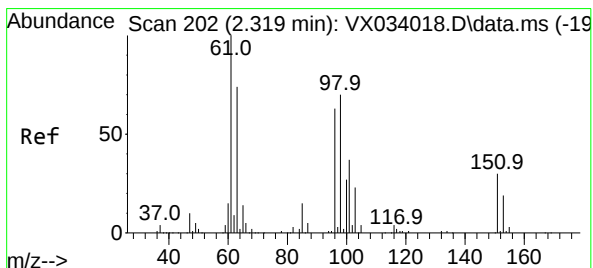
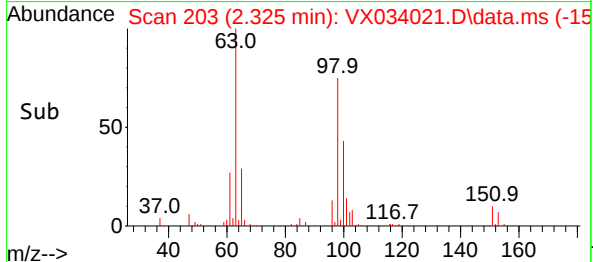
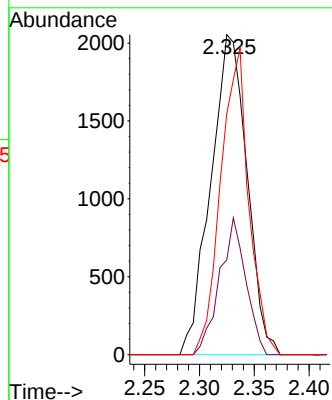
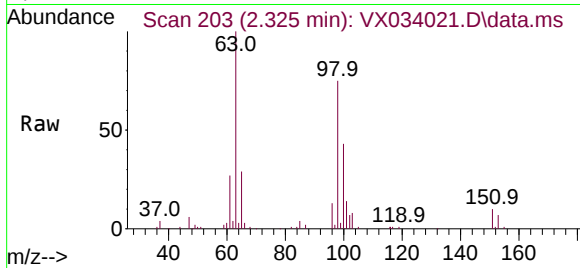




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.931 ug/L
 RT: 2.325 min Scan# 204
 Delta R.T. -0.006 min
 Lab File: VX034021.D
 Acq: 06 Feb 2023 12:34

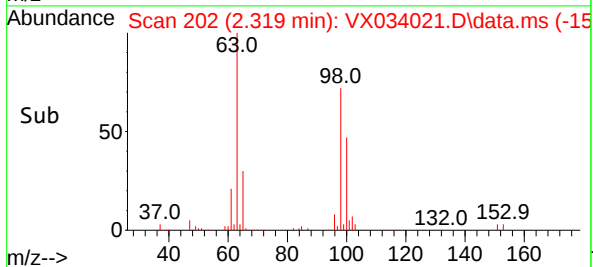
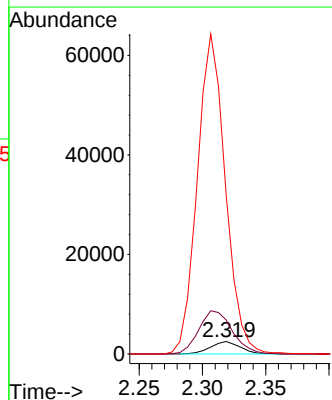
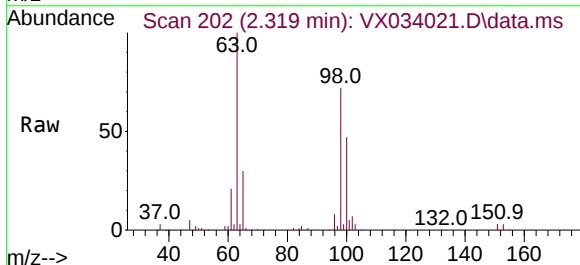
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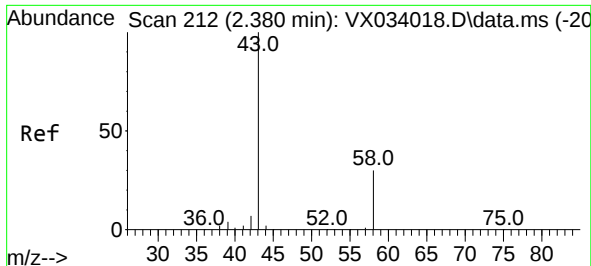
Tgt Ion:101 Resp: 4731
 Ion Ratio Lower Upper
 101 100
 85 30.8 32.2 48.4#
 151 74.0 69.3 103.9



#12
 1,1-Dichloroethene
 Concen: 2.782 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.000 min
 Lab File: VX034021.D
 Acq: 06 Feb 2023 12:34

Tgt Ion: 96 Resp: 4107
 Ion Ratio Lower Upper
 96 100
 61 272.8 107.6 199.8#
 63 1279.2 69.6 129.2#





#13

Acetone

Concen: 5.200 ug/L

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

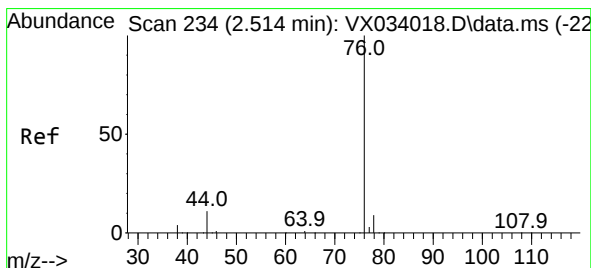
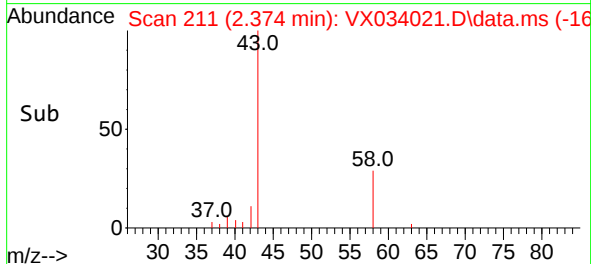
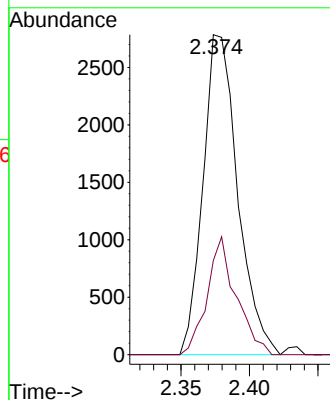
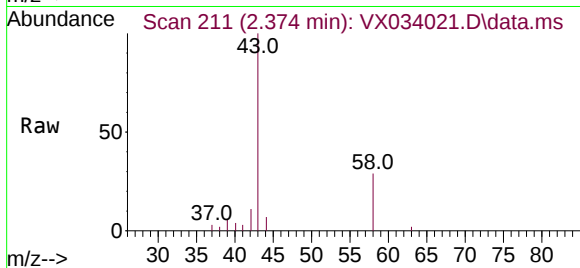
MDL-WATER-QT1-2023-02

Tgt Ion: 43 Resp: 4899

Ion Ratio Lower Upper

43 100

58 30.8 0.0 62.8



#14

Carbon disulfide

Concen: 2.204 ug/L

RT: 2.514 min Scan# 234

Delta R.T. 0.000 min

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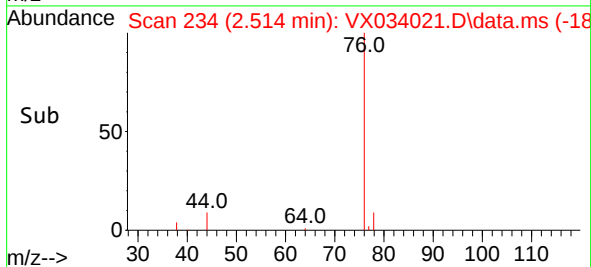
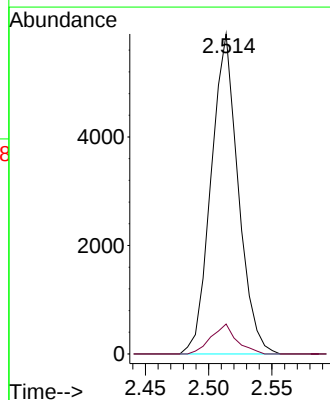
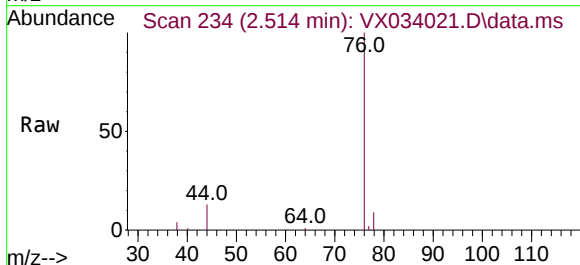
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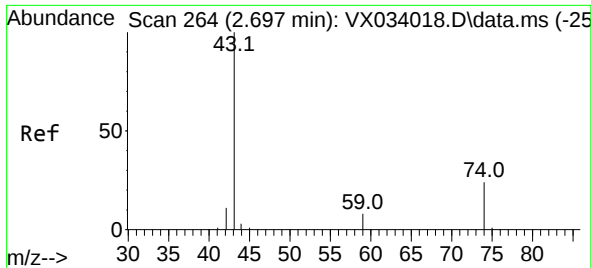
Tgt Ion: 76 Resp: 8806

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2





#15

Methyl Acetate

Concen: 2.347 ug/L

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

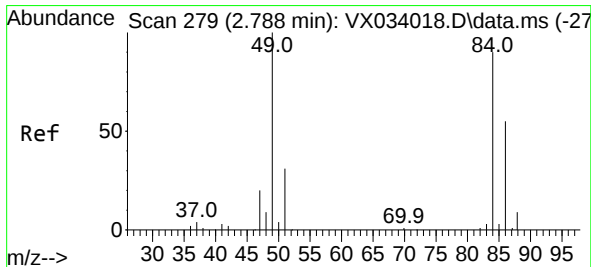
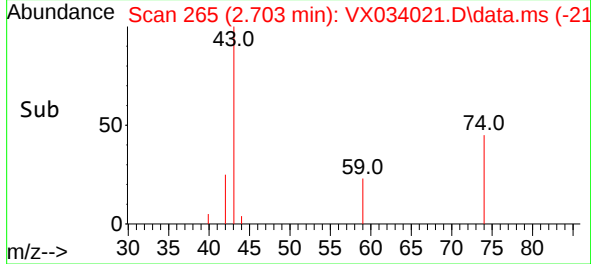
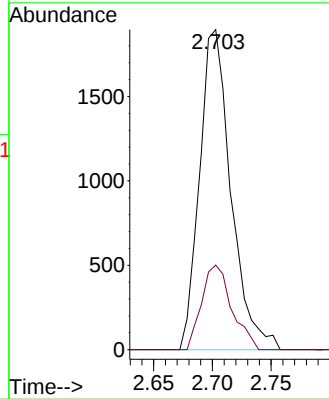
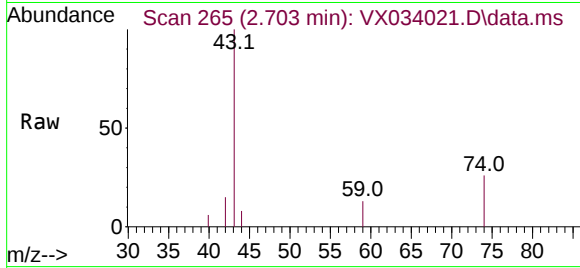
MDL-WATER-QT1-2023-02

Tgt Ion: 43 Resp: 3522

Ion Ratio Lower Upper

43 100

74 25.3 19.7 29.5



#16

Methylene chloride

Concen: 2.545 ug/L

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

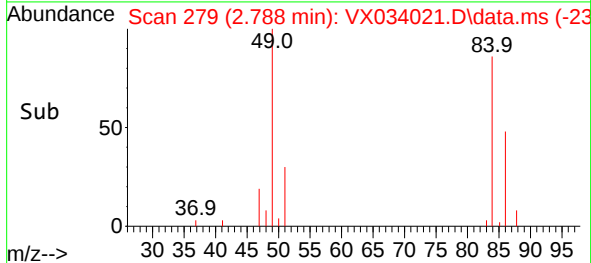
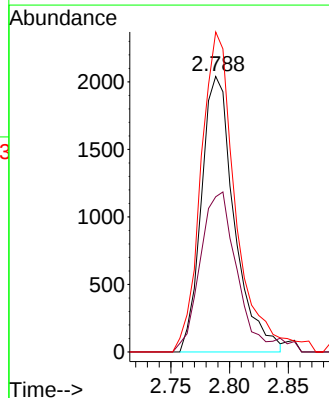
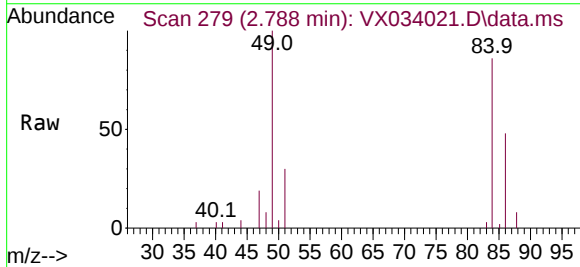
Tgt Ion: 84 Resp: 3979

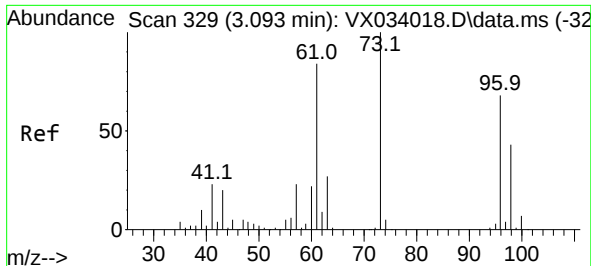
Ion Ratio Lower Upper

84 100

86 56.3 45.2 84.0

49 116.1 82.5 153.1





#17

trans-1,2-Dichloroethene

Concen: 2.376 ug/L

RT: 3.087 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-02

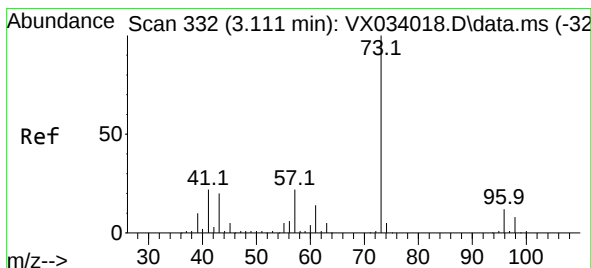
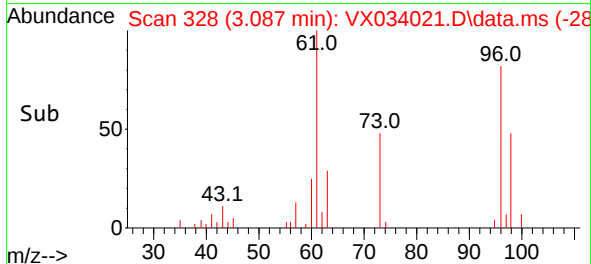
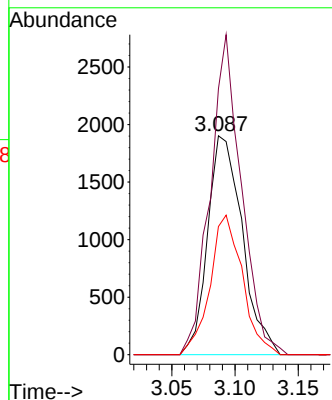
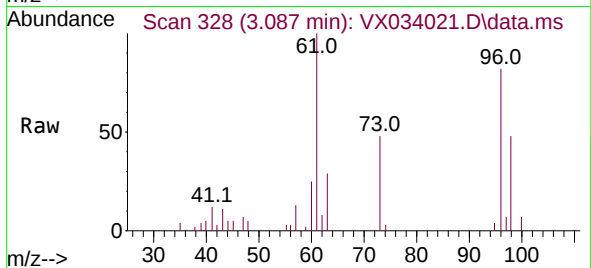
Tgt Ion: 96 Resp: 3621

Ion Ratio Lower Upper

96 100

61 121.4 87.7 162.9

98 58.5 45.4 84.4



#18

Methyl tert-butyl Ether

Concen: 2.281 ug/L

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

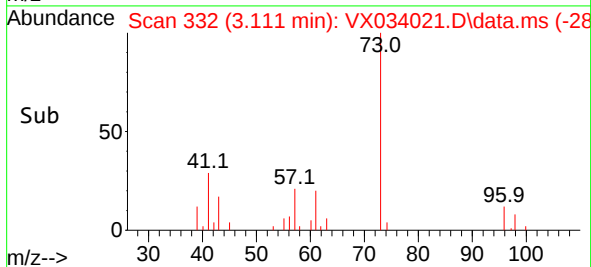
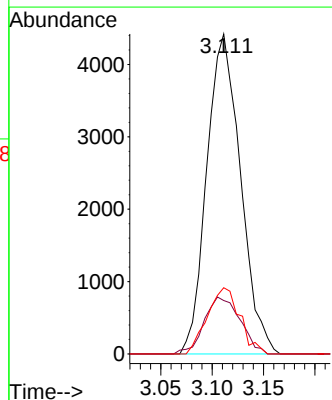
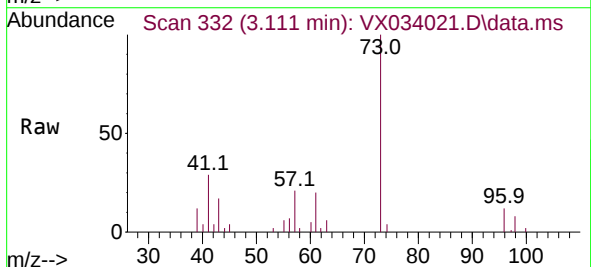
Tgt Ion: 73 Resp: 10121

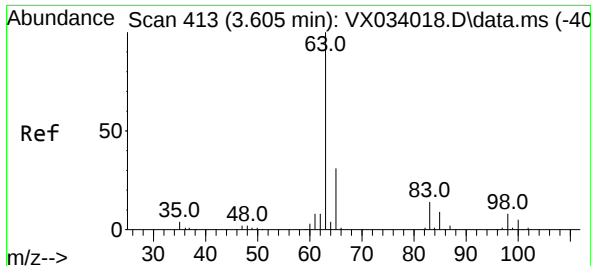
Ion Ratio Lower Upper

73 100

43 18.9 15.6 23.4

57 19.1 17.5 26.3





#19

1,1-Dichloroethane

Concen: 2.242 ug/L

RT: 3.605 min Scan# 413

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-02

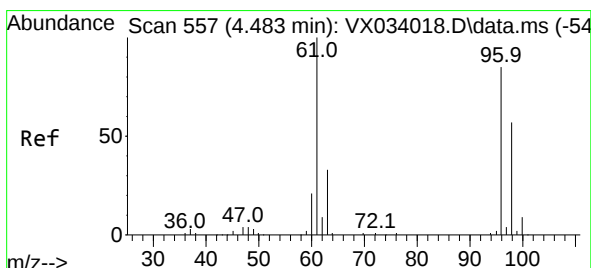
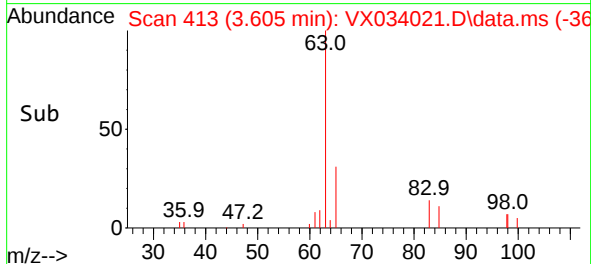
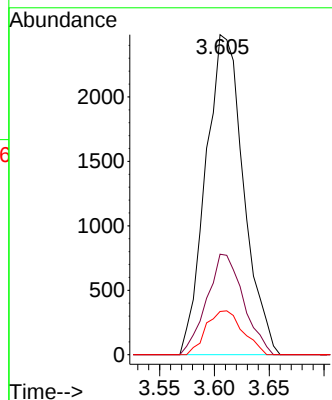
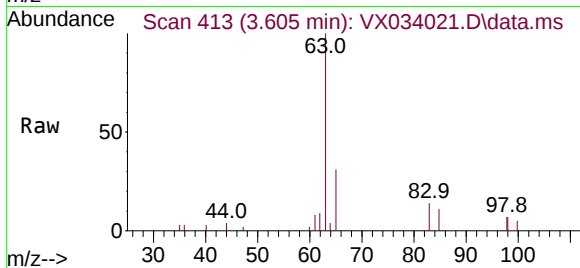
Tgt Ion: 63 Resp: 5964

Ion Ratio Lower Upper

63 100

65 31.4 21.9 40.7

83 13.5 10.6 19.6



#20

cis-1,2-Dichloroethene

Concen: 2.214 ug/L

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

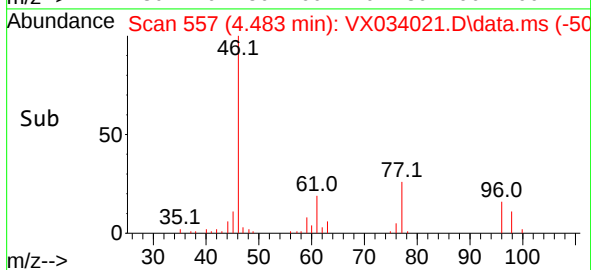
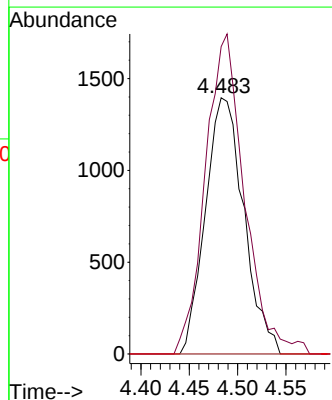
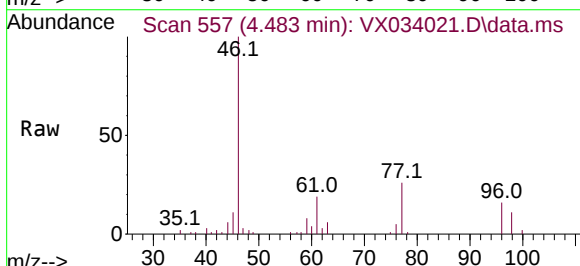
Tgt Ion: 96 Resp: 3857

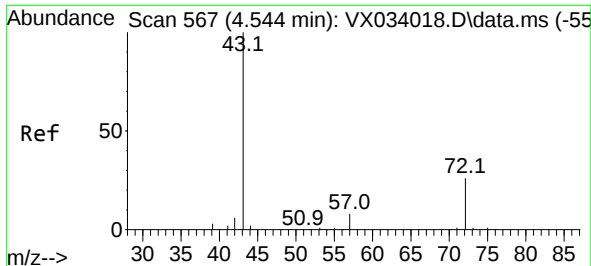
Ion Ratio Lower Upper

96 100

61 120.0 80.3 149.1

68 0.0 0.0 0.0

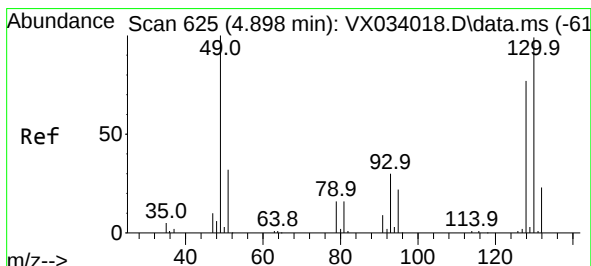
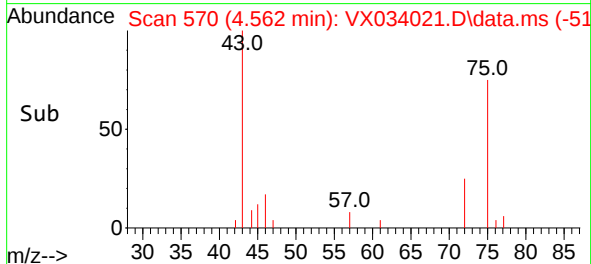
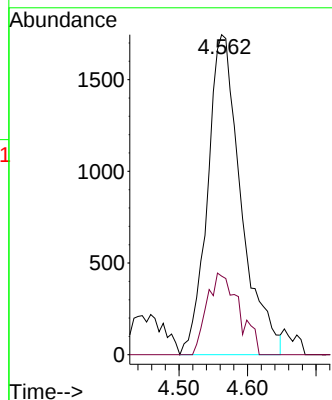
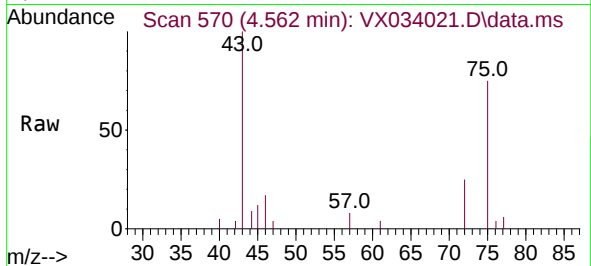




#22
2-Butanone
Concen: 5.070 ug/L
RT: 4.562 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

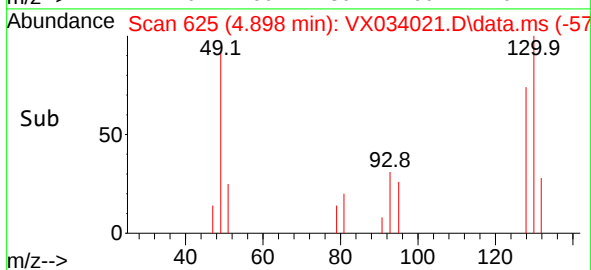
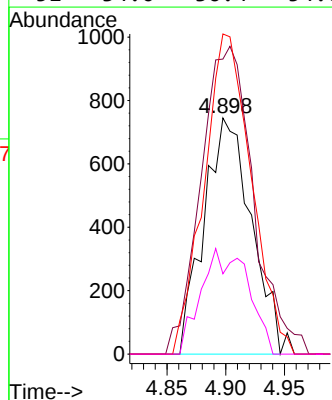
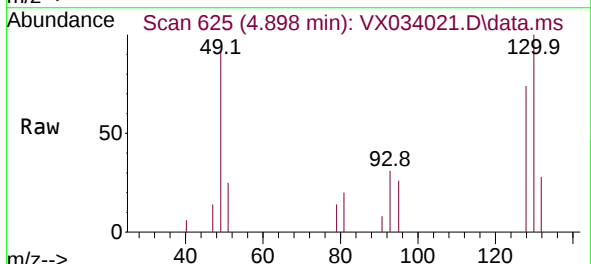
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

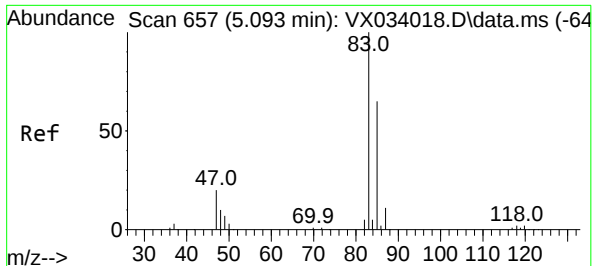
Tgt Ion: 43 Resp: 5934
Ion Ratio Lower Upper
43 100
72 16.9 13.2 39.6



#23
Bromochloromethane
Concen: 2.174 ug/L
RT: 4.898 min Scan# 625
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 128 Resp: 2079
Ion Ratio Lower Upper
128 100
49 125.0 94.7 175.9
130 135.6 91.3 169.6
51 34.0 36.4 54.6#





#25

Chloroform

Concen: 2.855 ug/L

RT: 5.093 min Scan# 6

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

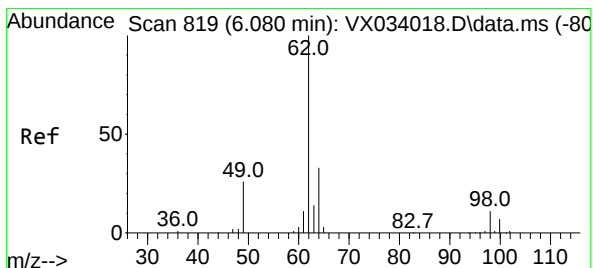
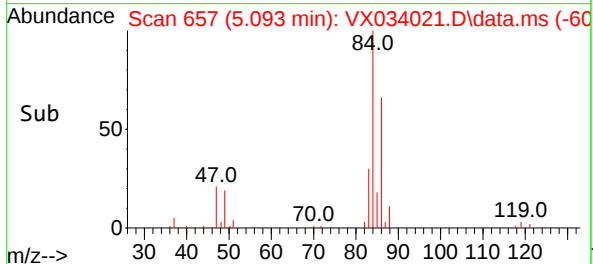
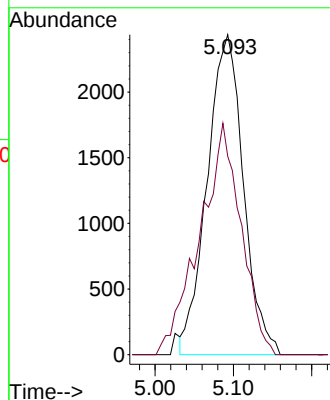
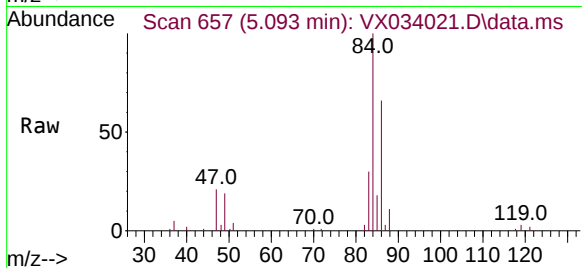
MDL-WATER-QT1-2023-02

Tgt Ion: 83 Resp: 7842

Ion Ratio Lower Upper

83 100

85 62.0 47.0 87.4



#27

1,2-Dichloroethane

Concen: 0.769 ug/L

RT: 5.971 min Scan# 801

Delta R.T. -0.110 min

Lab File: VX034021.D

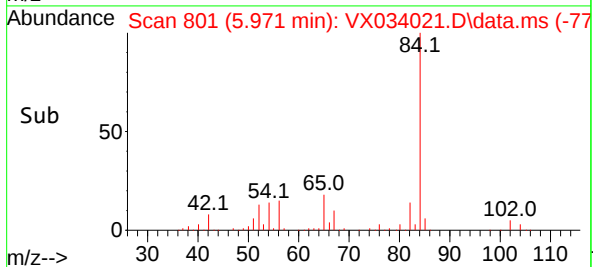
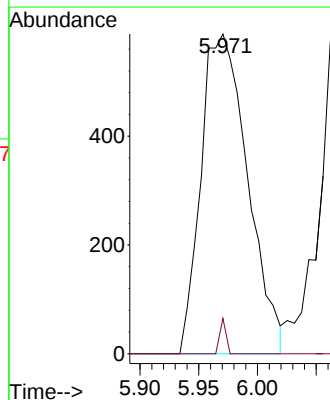
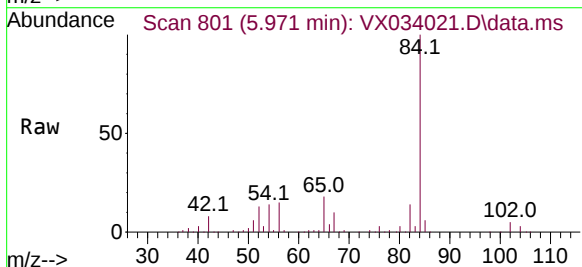
Acq: 06 Feb 2023 12:34

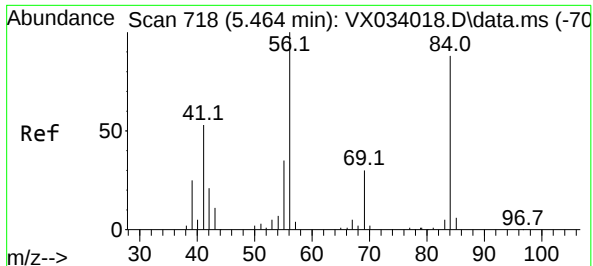
Tgt Ion: 62 Resp: 1622

Ion Ratio Lower Upper

62 100

98 11.1 9.1 13.7





#29

Cyclohexane

Concen: 2.271 ug/L

RT: 5.471 min Scan# 719

Delta R.T. 0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-02

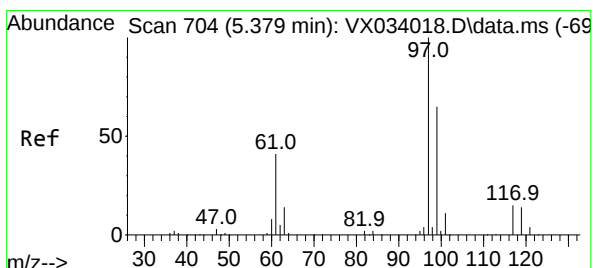
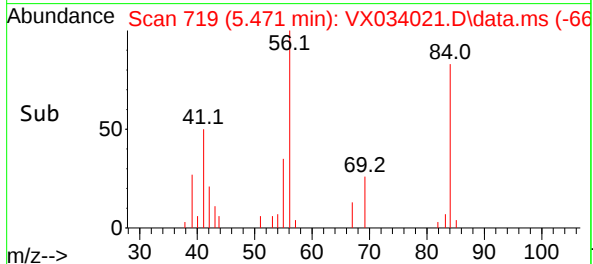
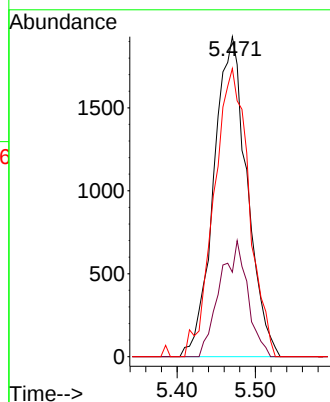
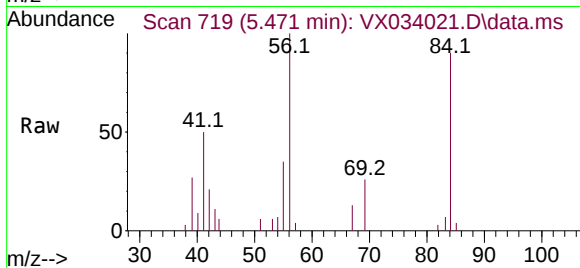
Tgt Ion: 56 Resp: 5706

Ion Ratio Lower Upper

56 100

69 14.1 24.8 37.2#

84 92.5 73.2 109.8



#30

1,1,1-Trichloroethane

Concen: 2.269 ug/L

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

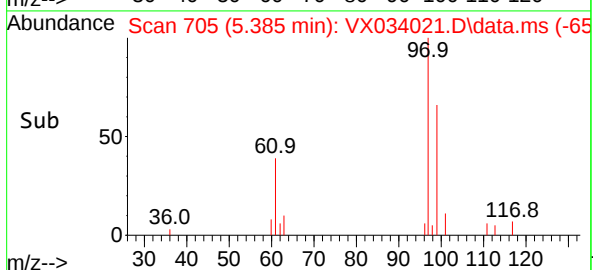
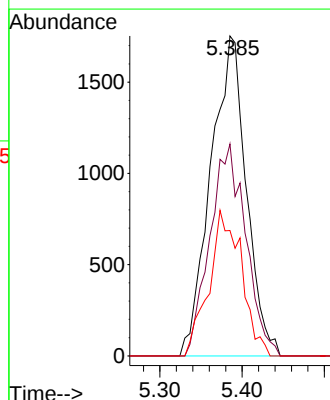
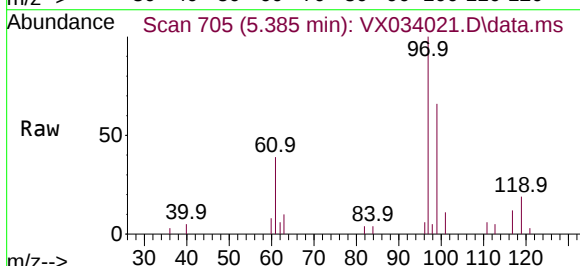
Tgt Ion: 97 Resp: 5269

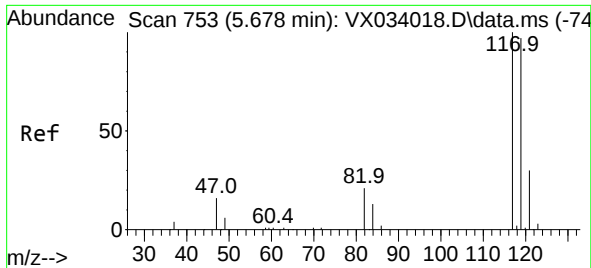
Ion Ratio Lower Upper

97 100

99 66.9 51.8 77.8

61 31.3 34.7 52.1#

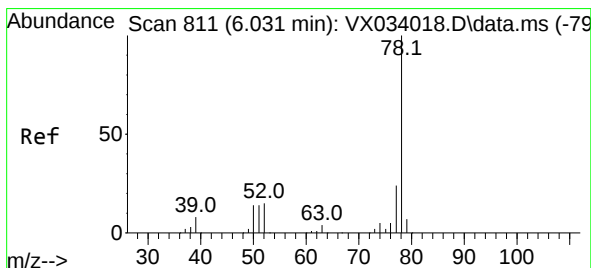
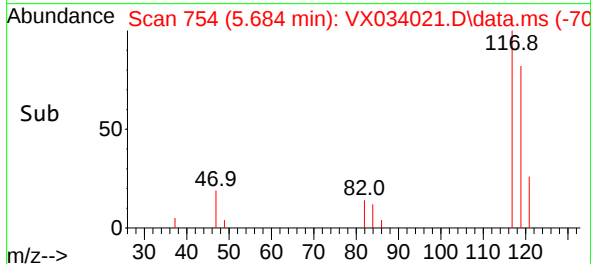
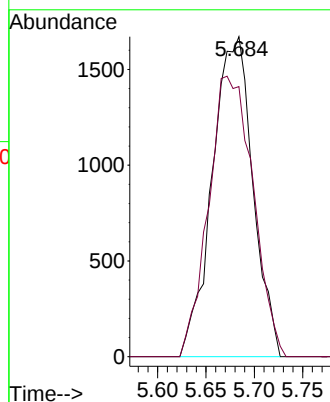
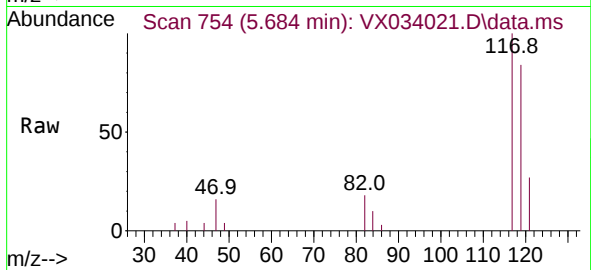




#31
Carbon tetrachloride
Concen: 2.256 ug/L
RT: 5.684 min Scan# 754
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

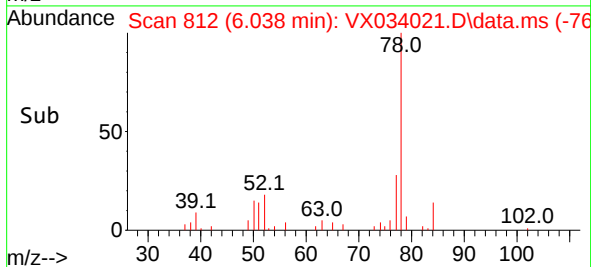
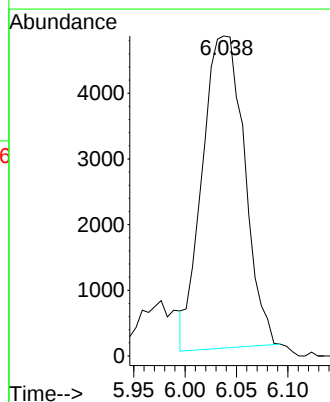
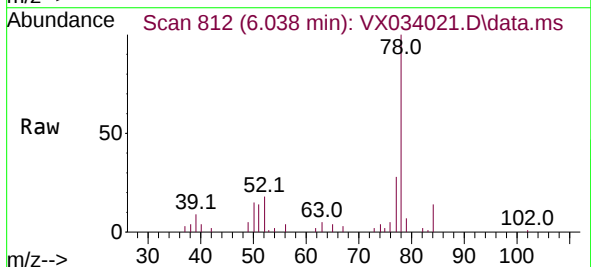
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

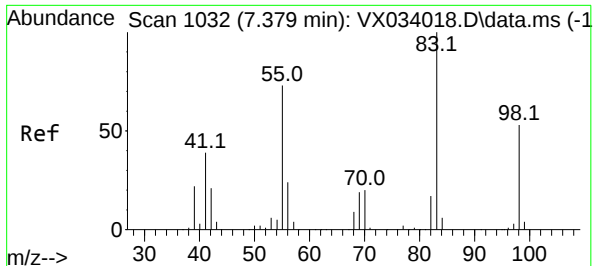
Tgt Ion:117 Resp: 4874
Ion Ratio Lower Upper
117 100
119 96.1 77.1 115.7



#33
Benzene
Concen: 2.219 ug/L
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 78 Resp: 13556

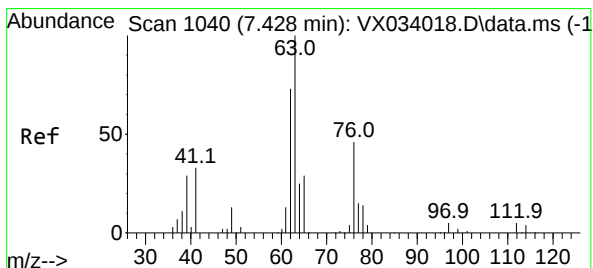
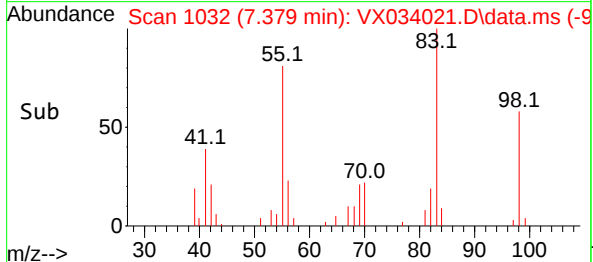
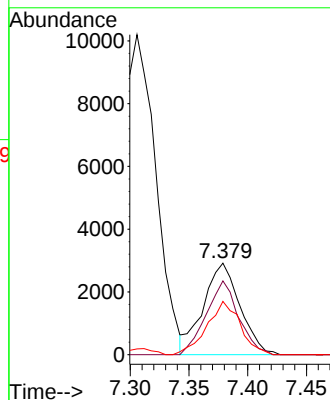
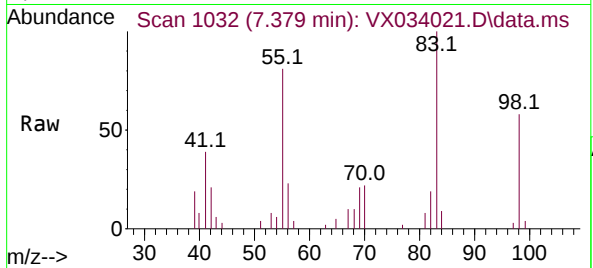




#35
Methylcyclohexane
Concen: 2.396 ug/L
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

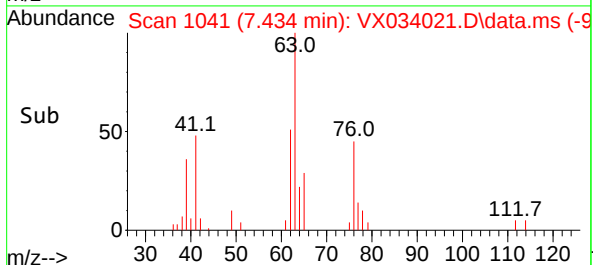
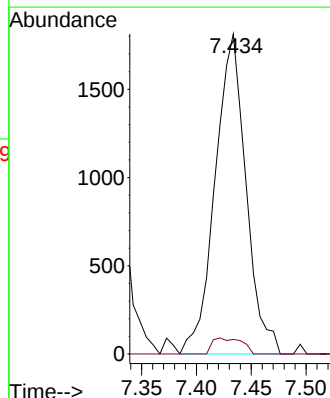
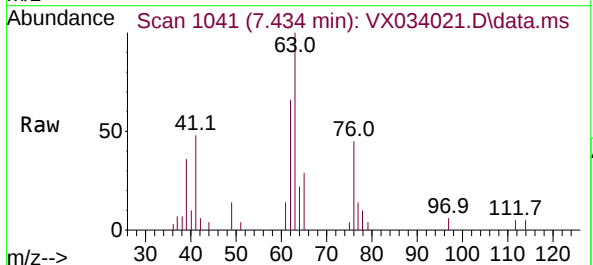
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

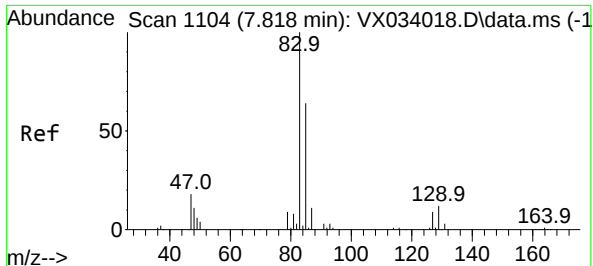
Tgt Ion: 83	Resp: 6324		
Ion Ratio	Lower	Upper	
83 100			
55 71.6	59.0	88.4	
98 53.2	40.6	60.8	



#37
1,2-Dichloropropane
Concen: 2.286 ug/L
RT: 7.434 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 63	Resp: 3557		
Ion Ratio	Lower	Upper	
63 100			
112 2.6	4.1	6.1#	

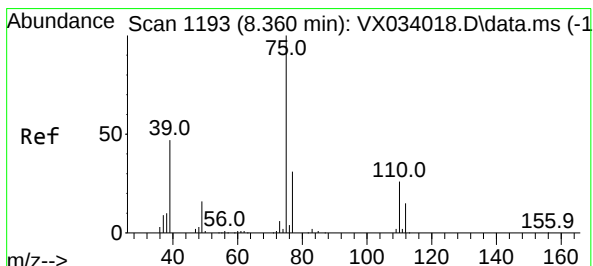
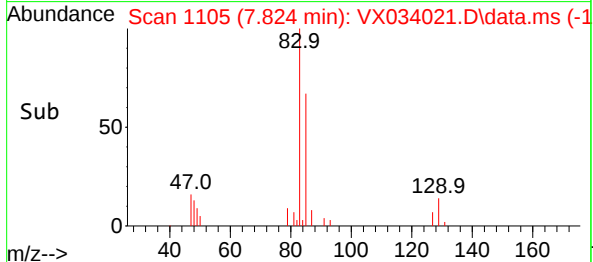
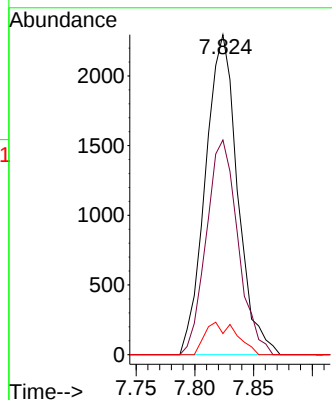
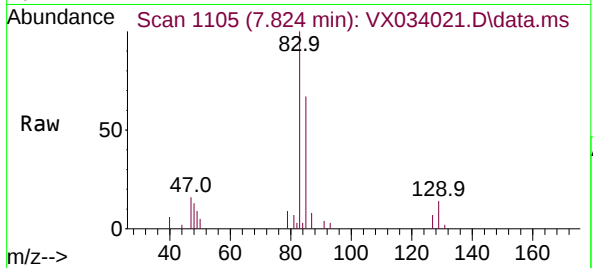




#38
Bromodichloromethane
Concen: 2.214 ug/L
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

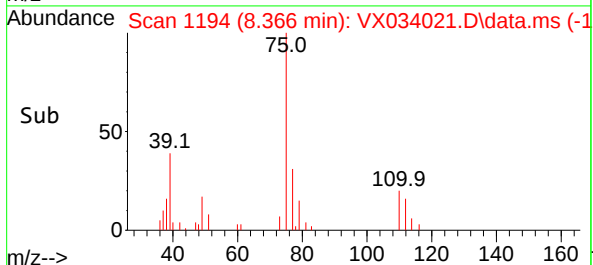
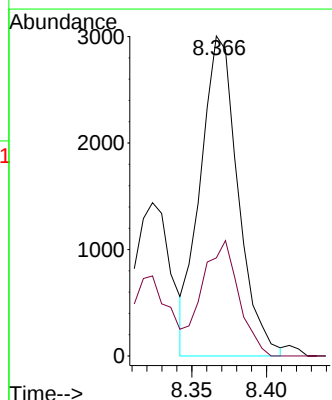
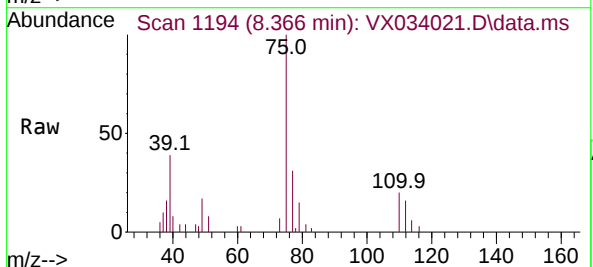
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

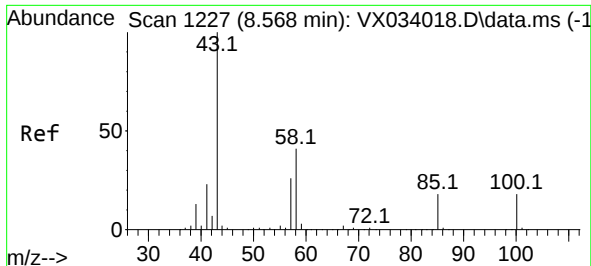
Tgt Ion: 83 Resp: 4380
Ion Ratio Lower Upper
83 100
85 67.1 46.3 85.9
127 6.6 7.4 11.0#



#39
cis-1,3-Dichloropropene
Concen: 2.204 ug/L
RT: 8.366 min Scan# 1194
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 75 Resp: 5264
Ion Ratio Lower Upper
75 100
77 30.7 22.5 41.9





#40

4-Methyl-2-pentanone

Concen: 4.480 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-02

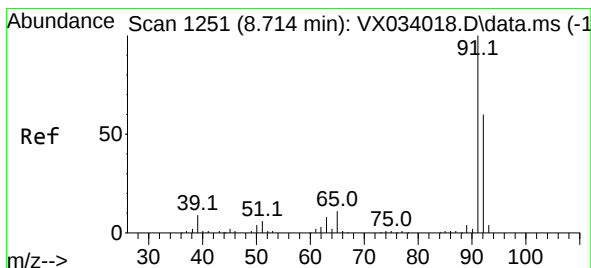
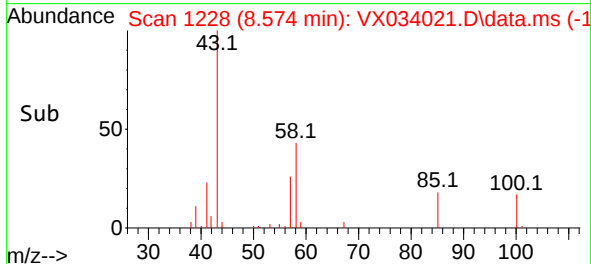
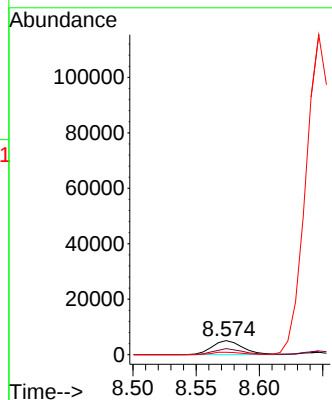
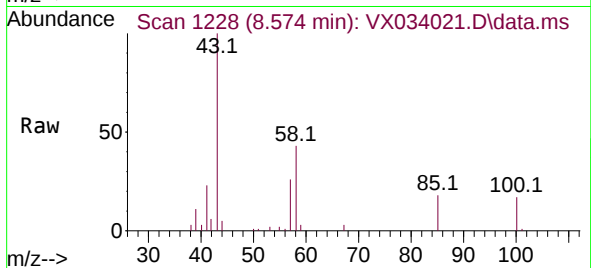
Tgt Ion: 43 Resp: 8577

Ion Ratio Lower Upper

43 100

58 40.9 31.9 47.9

100 17.5 14.4 21.6



#42

Toluene

Concen: 2.355 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX034021.D

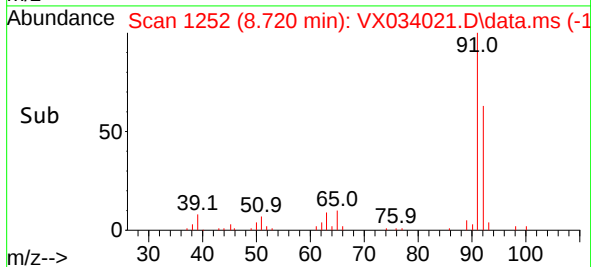
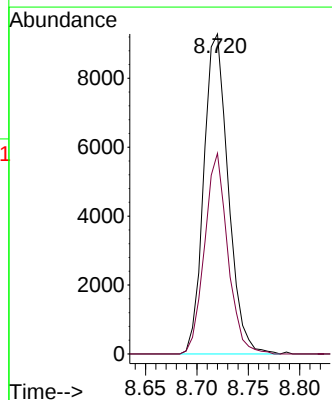
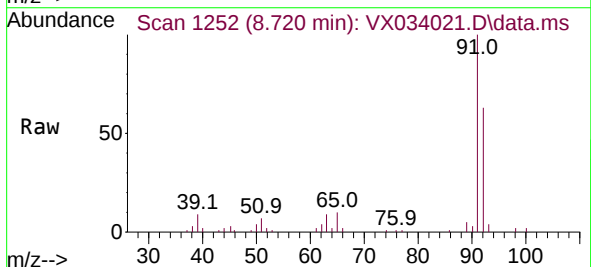
Acq: 06 Feb 2023 12:34

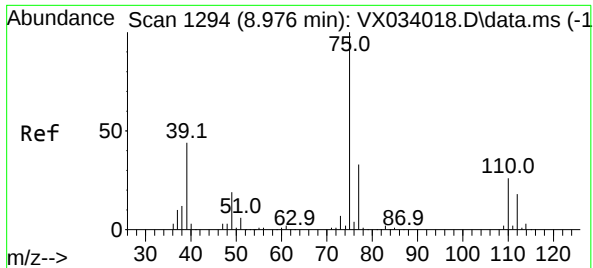
Tgt Ion: 91 Resp: 15386

Ion Ratio Lower Upper

91 100

92 62.7 41.6 77.3

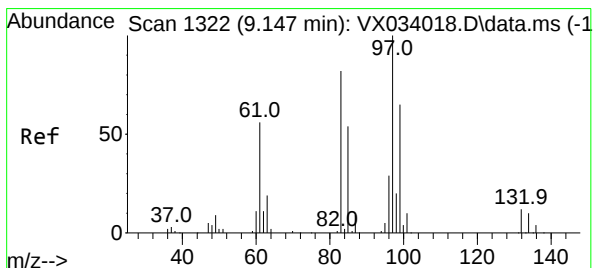
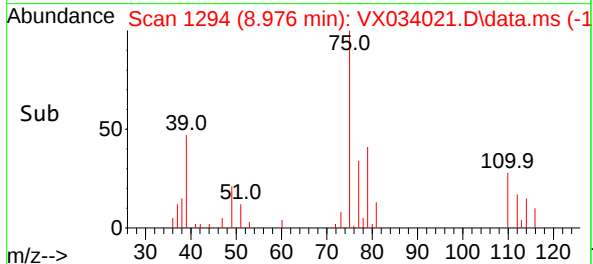
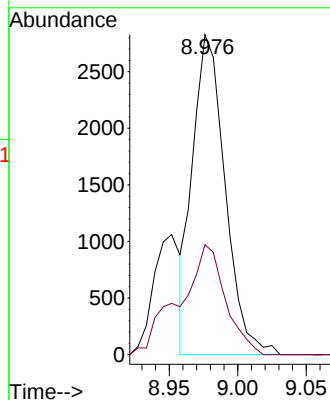
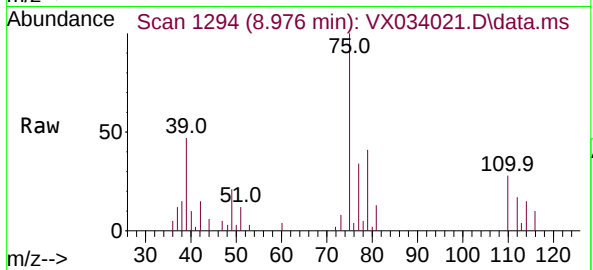




#44
trans-1,3-Dichloropropene
Concen: 2.192 ug/L
RT: 8.976 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

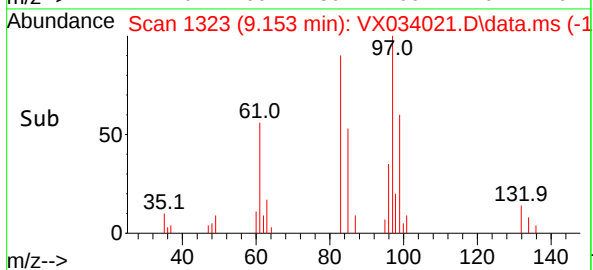
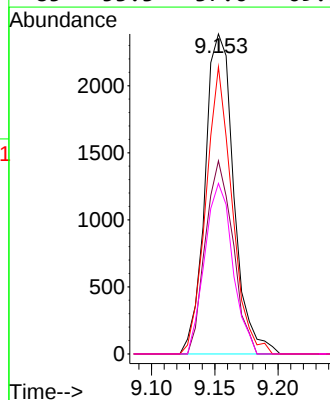
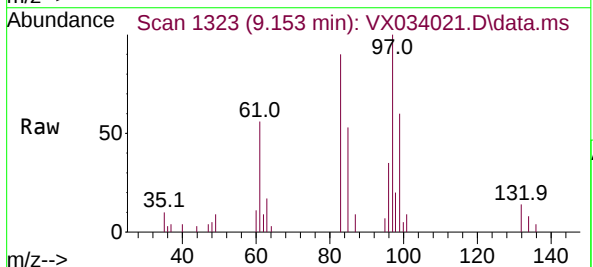
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

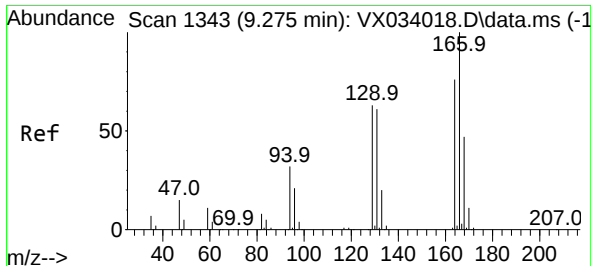
Tgt Ion: 75 Resp: 4657
Ion Ratio Lower Upper
75 100
77 34.4 22.3 41.3



#45
1,1,2-Trichloroethane
Concen: 2.401 ug/L
RT: 9.153 min Scan# 1323
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 97 Resp: 3782
Ion Ratio Lower Upper
97 100
99 60.4 43.5 80.9
83 89.7 56.8 105.4
85 53.3 37.6 69.8

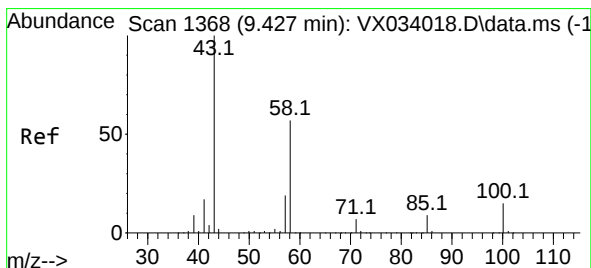
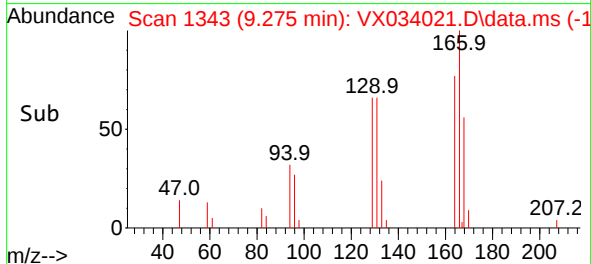
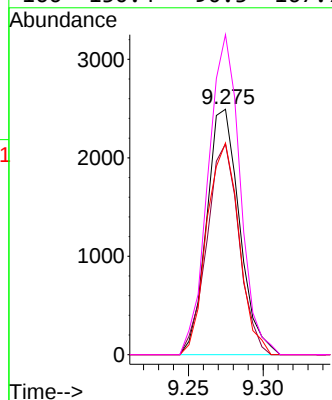
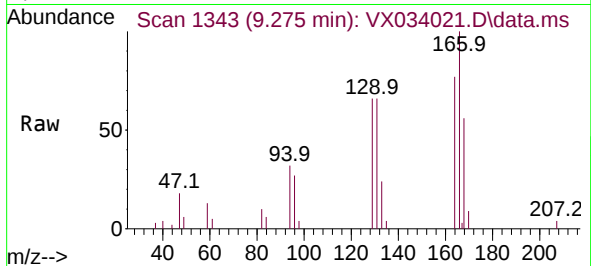




#46
Tetrachloroethene
Concen: 2.400 ug/L
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

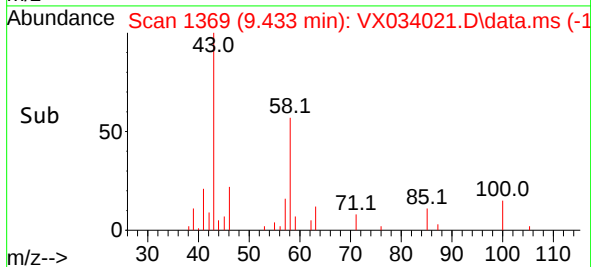
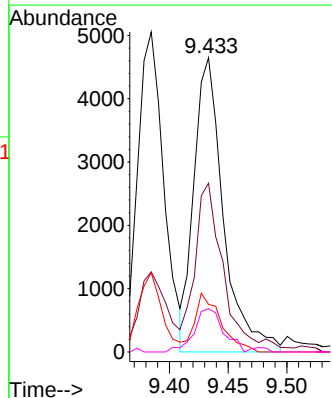
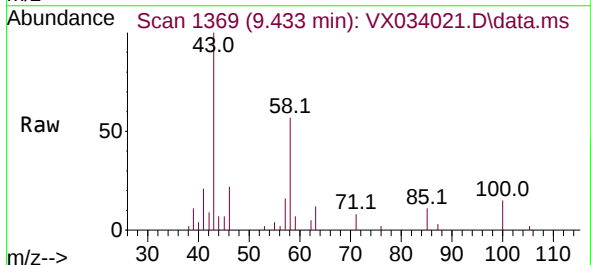
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

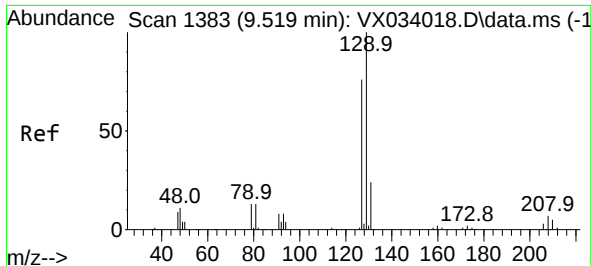
Tgt Ion:164	Resp:	3814	
Ion	Ratio	Lower	Upper
164	100		
129	85.8	59.3	110.1
131	86.2	56.1	104.3
166	130.4	90.3	167.7



#48
2-Hexanone
Concen: 5.339 ug/L
RT: 9.433 min Scan# 1369
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 43	Resp:	8146	
Ion	Ratio	Lower	Upper
43	100		
58	48.5	45.7	68.5
57	17.8	15.8	23.8
100	14.4	11.5	17.3





#49

Dibromochloromethane

Concen: 2.219 ug/L

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

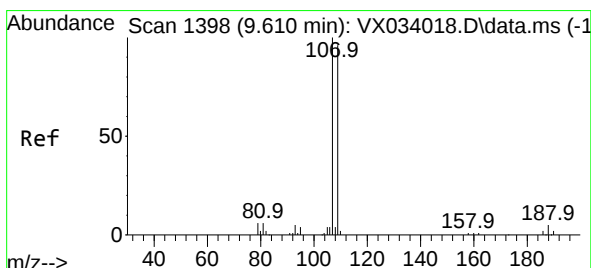
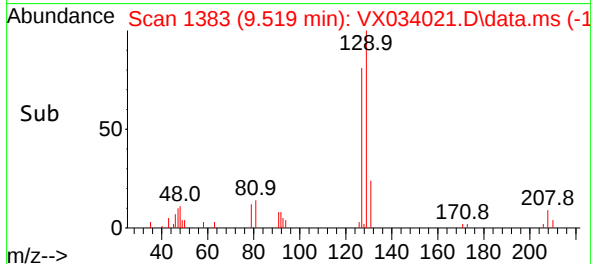
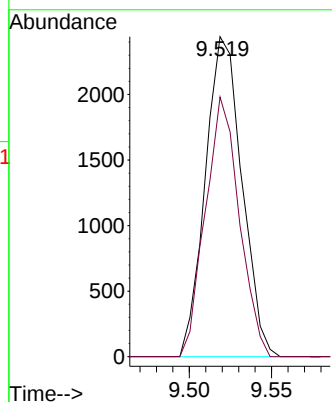
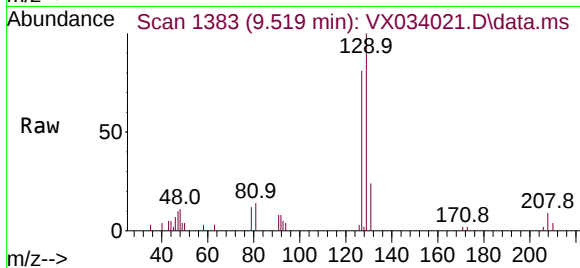
MDL-WATER-QT1-2023-02

Tgt Ion:129 Resp: 3771

Ion Ratio Lower Upper

129 100

127 81.2 53.3 98.9



#50

1,2-Dibromoethane

Concen: 2.402 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

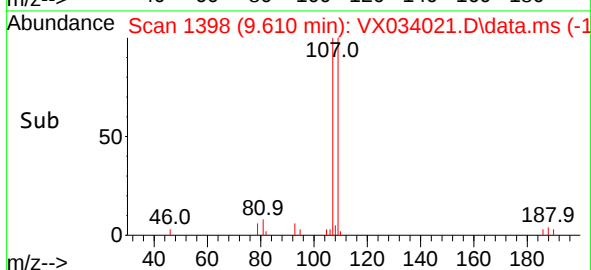
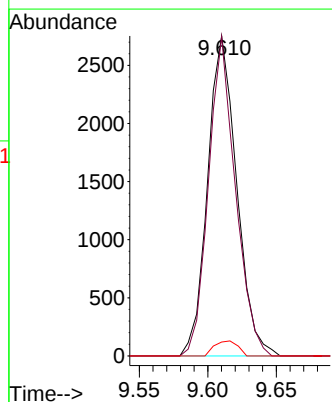
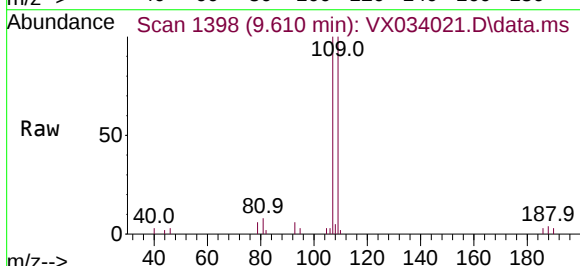
Tgt Ion:107 Resp: 4065

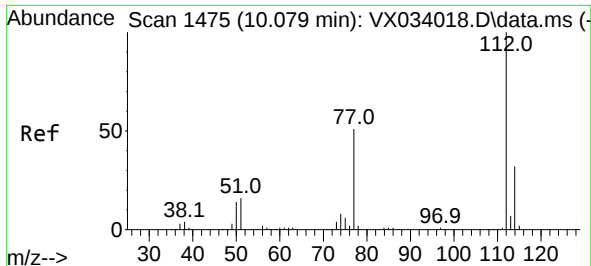
Ion Ratio Lower Upper

107 100

109 99.8 64.9 120.5

188 4.3 3.3 4.9

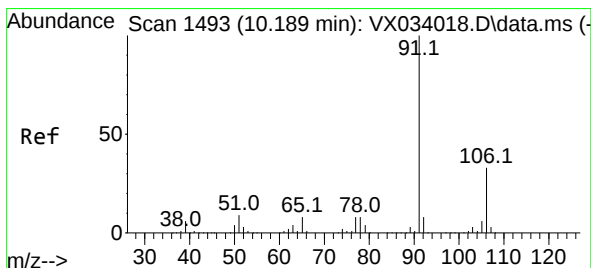
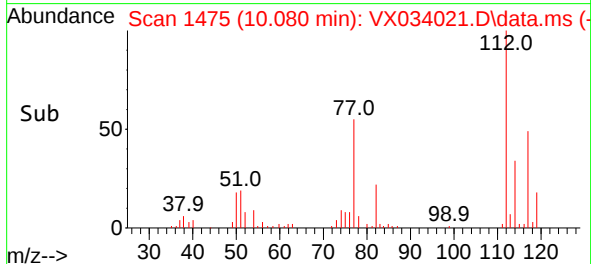
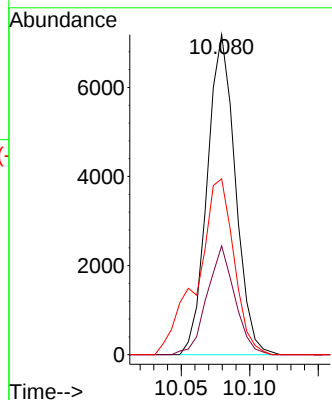
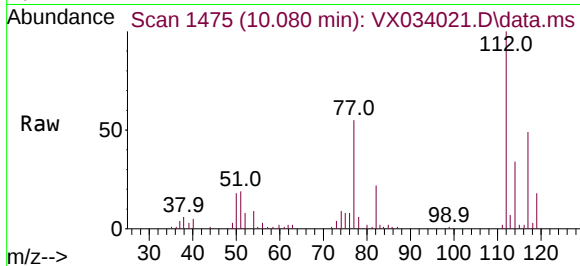




#51
Chlorobenzene
Concen: 2.322 ug/L
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

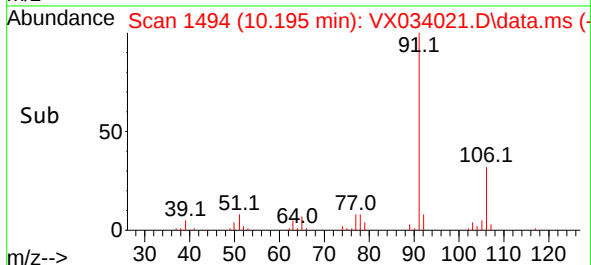
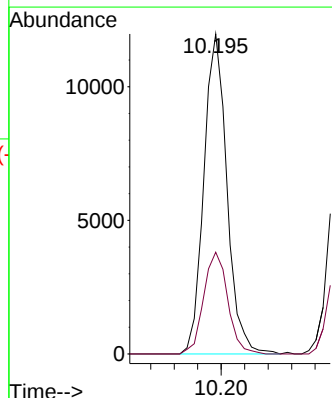
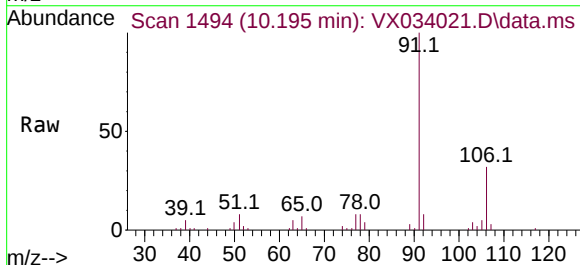
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

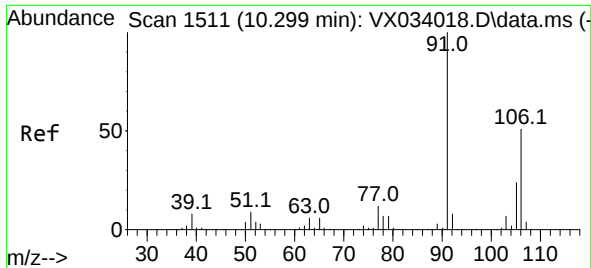
Tgt Ion:112	Resp:	10249
Ion Ratio	Lower	Upper
112	100	
114	34.0	22.7 42.3
77	54.9	43.4 65.0



#52
Ethylbenzene
Concen: 2.274 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion: 91	Resp:	16328
Ion Ratio	Lower	Upper
91	100	
106	31.8	23.2 43.0

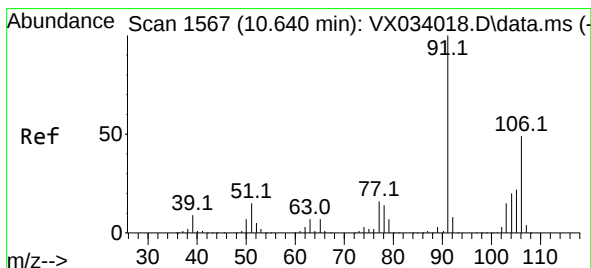
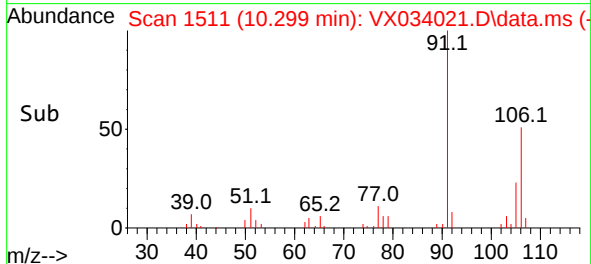
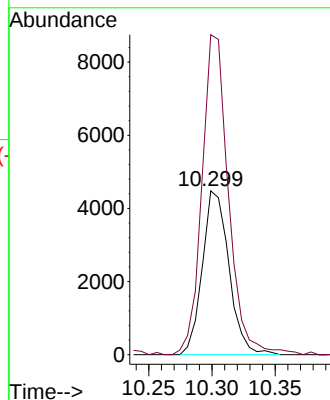
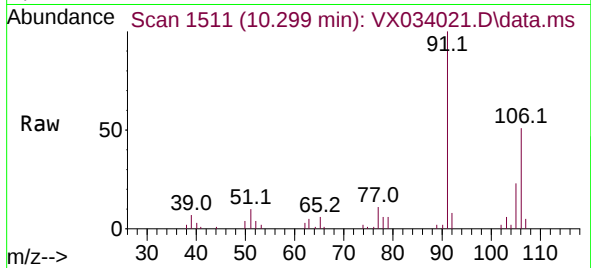




#53
m,p-Xylene
Concen: 2.277 ug/L
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

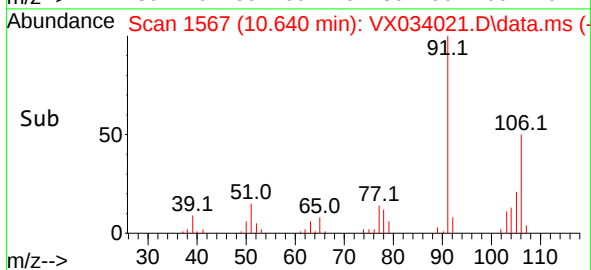
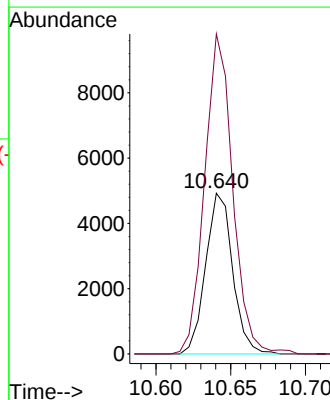
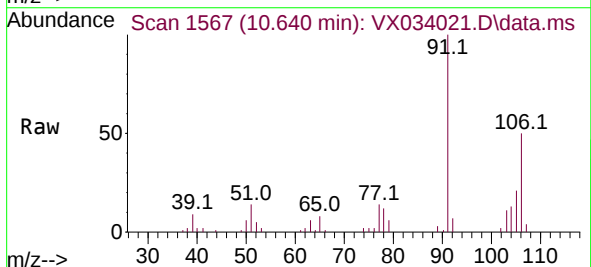
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

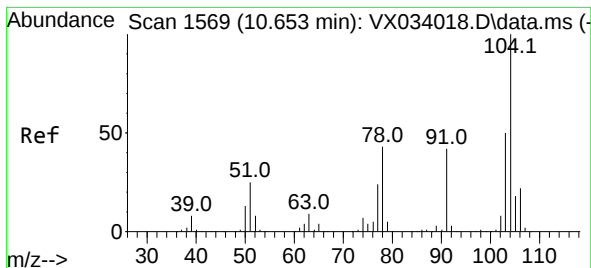
Tgt Ion:106 Resp: 6562
Ion Ratio Lower Upper
106 100
91 195.2 135.2 251.0



#54
o-Xylene
Concen: 2.219 ug/L
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion:106 Resp: 6180
Ion Ratio Lower Upper
106 100
91 199.0 140.2 260.4





#55

Styrene

Concen: 2.068 ug/L

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

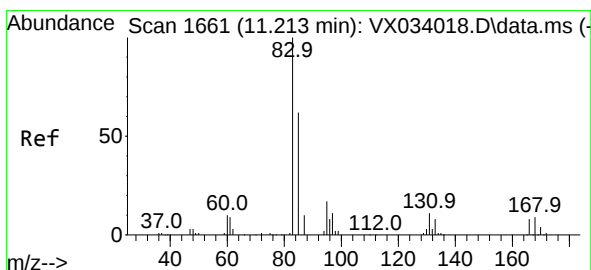
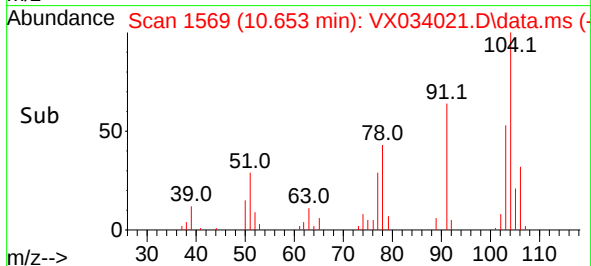
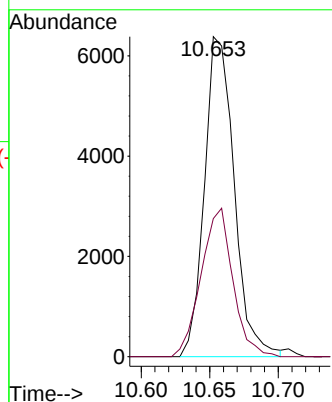
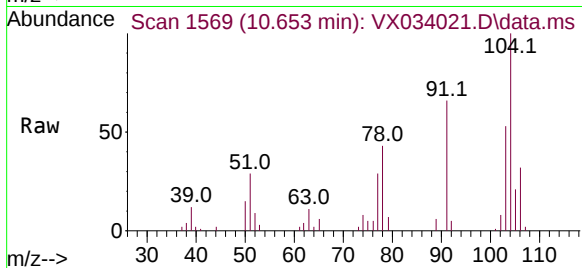
MDL-WATER-QT1-2023-02

Tgt Ion:104 Resp: 9660

Ion Ratio Lower Upper

104 100

78 43.2 30.0 55.8



#57

1,1,2,2-Tetrachloroethane

Concen: 2.685 ug/L

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

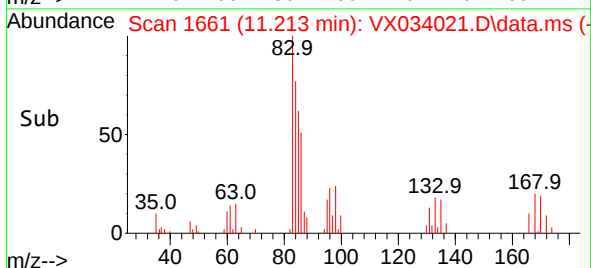
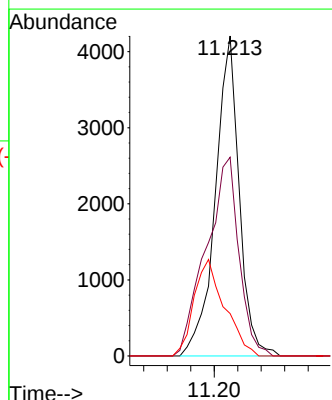
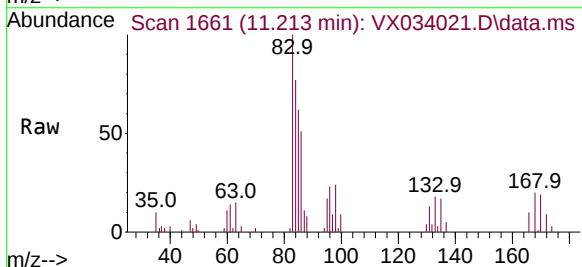
Tgt Ion: 83 Resp: 5945

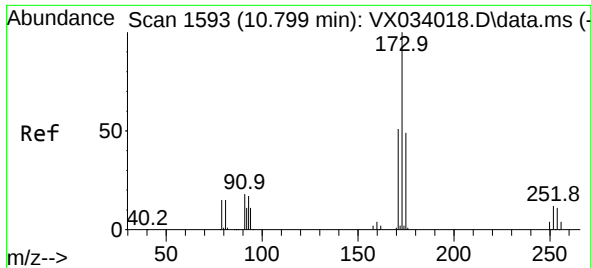
Ion Ratio Lower Upper

83 100

85 62.1 45.8 85.0

131 13.2 9.1 13.7

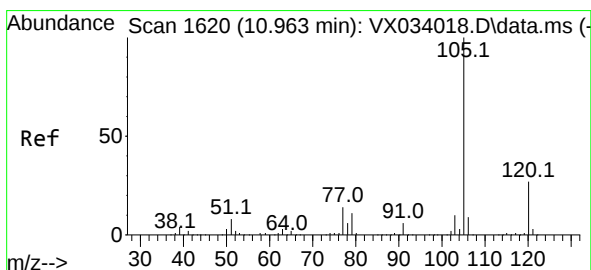
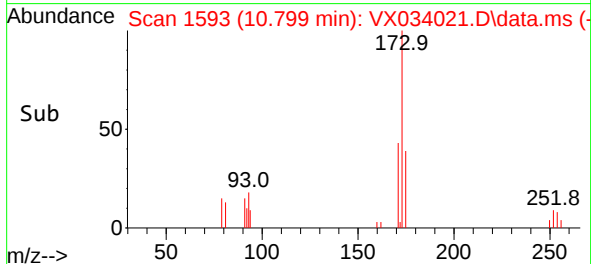
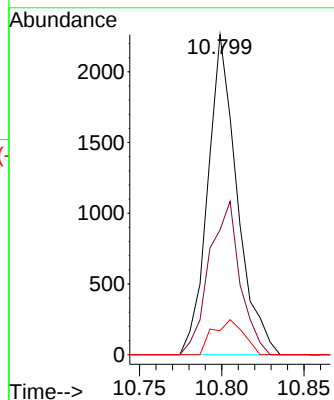
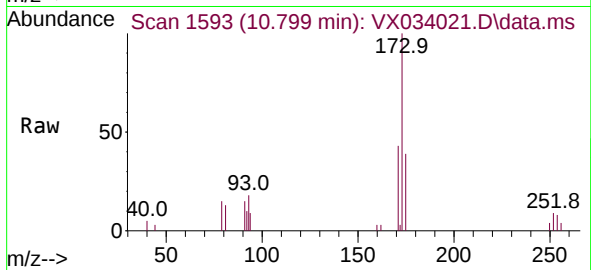




#59
Bromoform
Concen: 2.078 ug/L
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

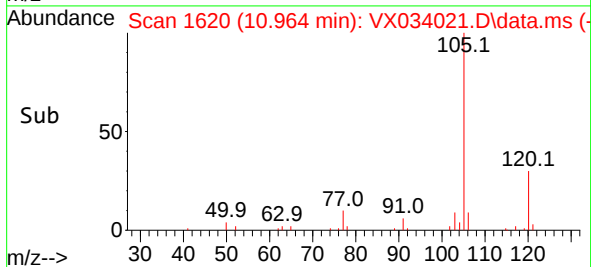
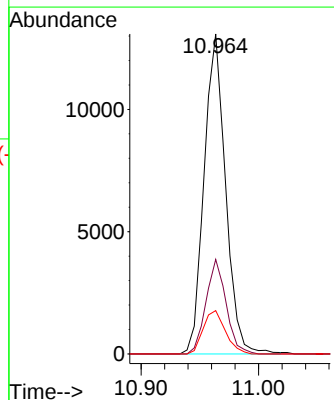
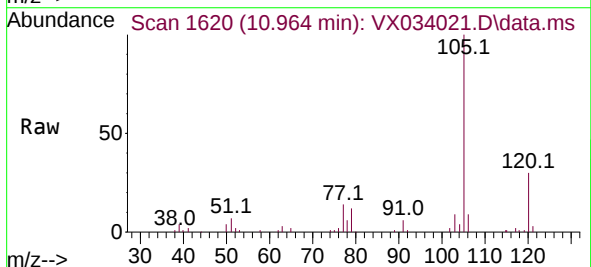
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

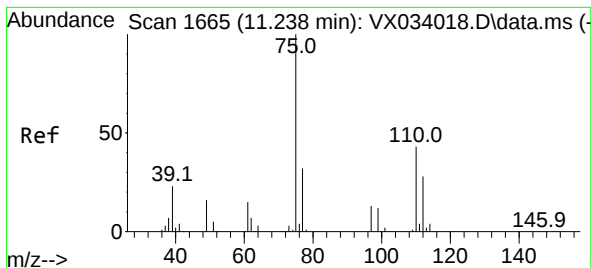
Tgt Ion:	173	Resp:	2802
Ion Ratio	Lower	Upper	
173	100		
175	50.7	38.3	57.5
254	11.3	9.1	13.7



#60
Isopropylbenzene
Concen: 2.298 ug/L
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion:	105	Resp:	16631
Ion Ratio	Lower	Upper	
105	100		
120	27.6	21.8	32.6
77	14.0	11.3	16.9





#61

1,2,3-Trichloropropane

Concen: 2.393 ug/L

RT: 11.238 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-02

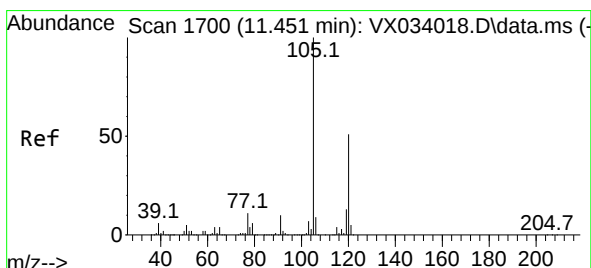
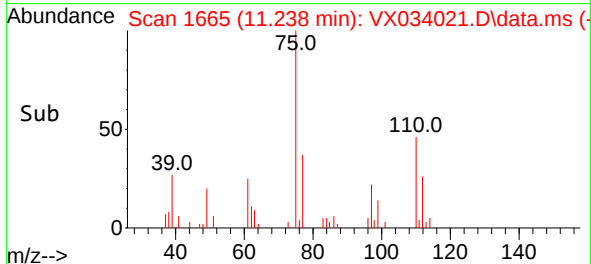
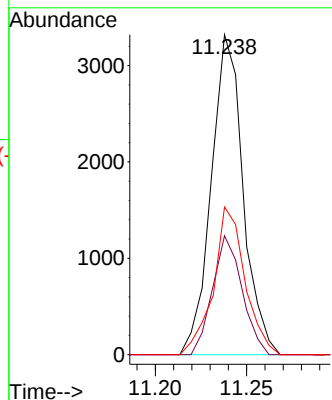
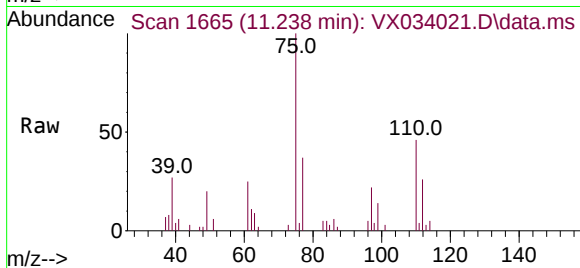
Tgt Ion: 75 Resp: 4025

Ion Ratio Lower Upper

75 100

77 34.4 26.1 39.1

110 45.6 34.2 51.4



#62

1,3,5-Trimethylbenzene

Concen: 2.188 ug/L

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX034021.D

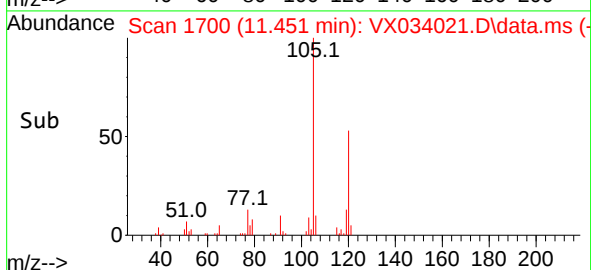
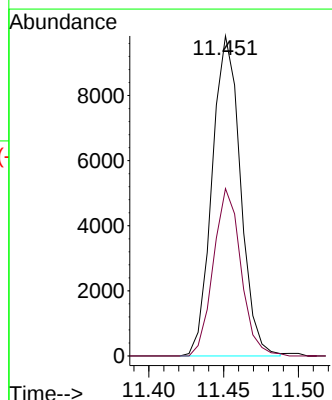
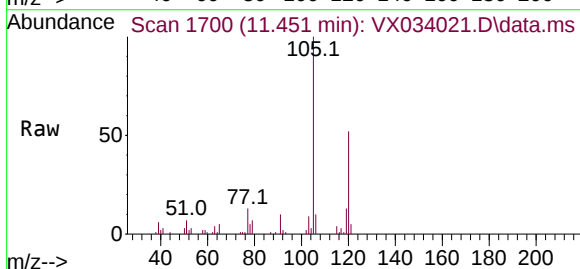
Acq: 06 Feb 2023 12:34

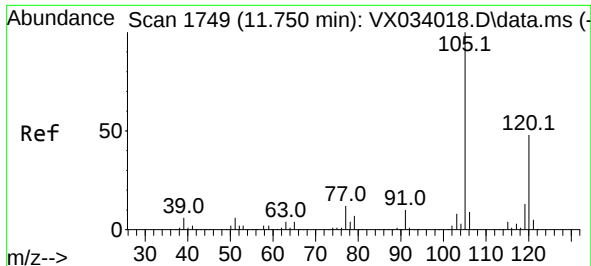
Tgt Ion: 105 Resp: 12962

Ion Ratio Lower Upper

105 100

120 50.8 41.3 61.9





#63

1,2,4-Trimethylbenzene

Concen: 2.168 ug/L

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

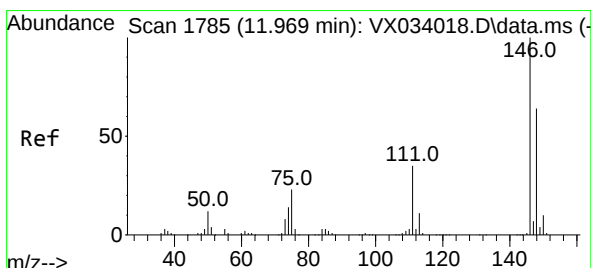
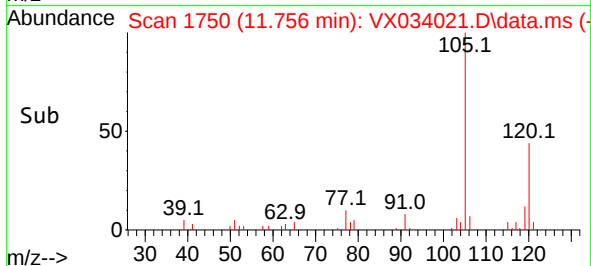
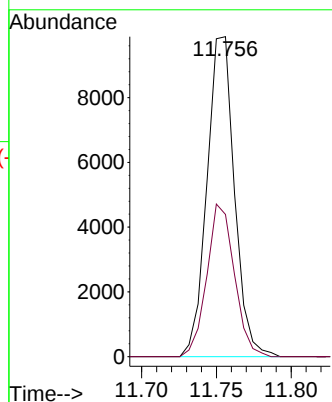
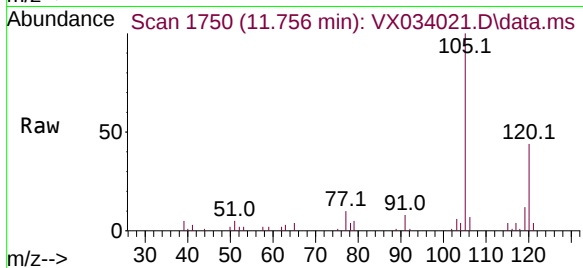
MDL-WATER-QT1-2023-02

Tgt Ion:105 Resp: 12661

Ion Ratio Lower Upper

105 100

120 47.8 38.5 57.7



#64

1,3-Dichlorobenzene

Concen: 2.332 ug/L

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

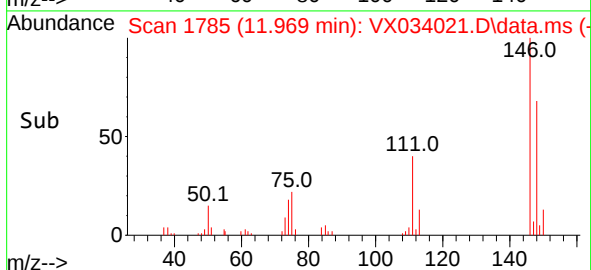
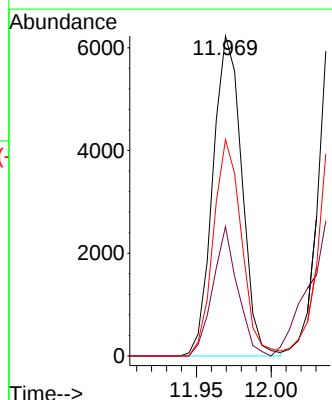
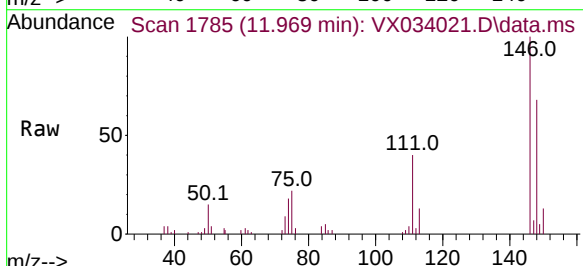
Tgt Ion:146 Resp: 8392

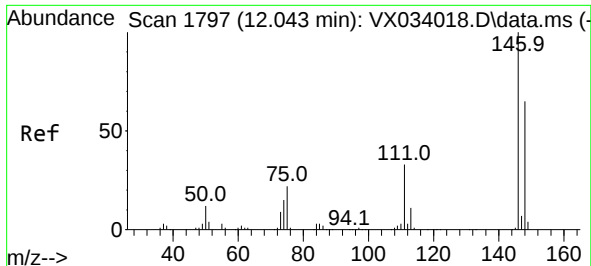
Ion Ratio Lower Upper

146 100

111 40.5 25.5 47.3

148 67.6 44.9 83.3

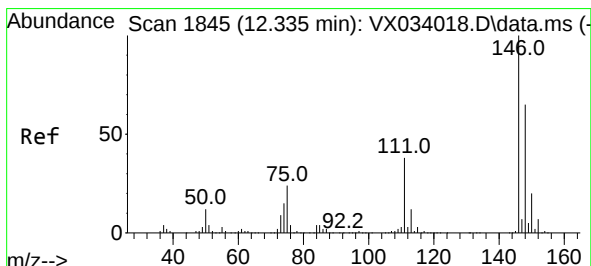
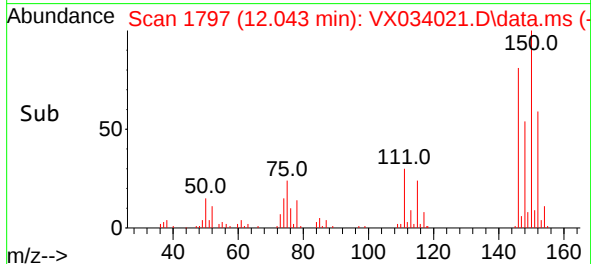
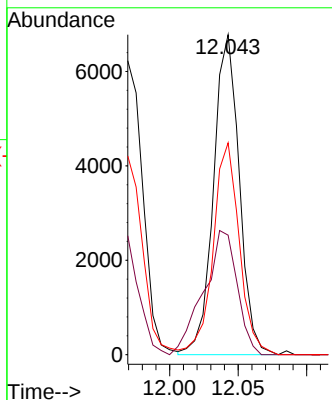
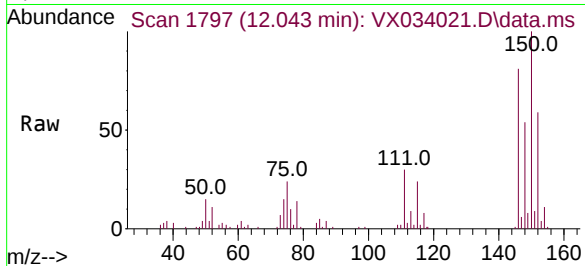




#65
1,4-Dichlorobenzene
Concen: 2.433 ug/L
RT: 12.043 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

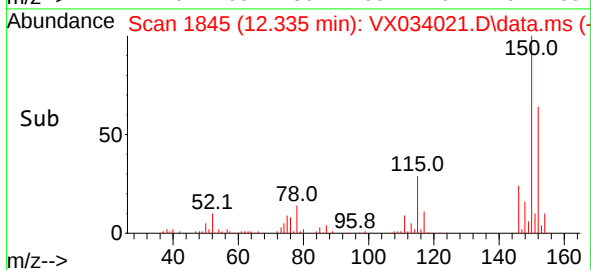
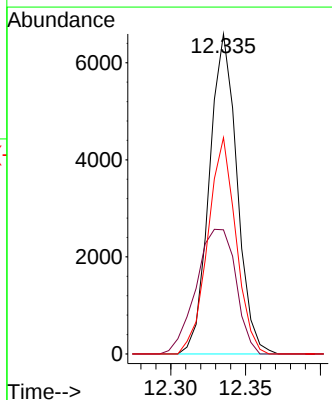
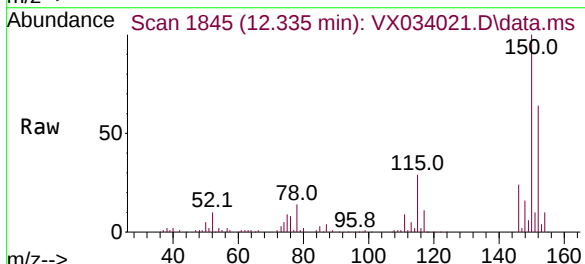
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

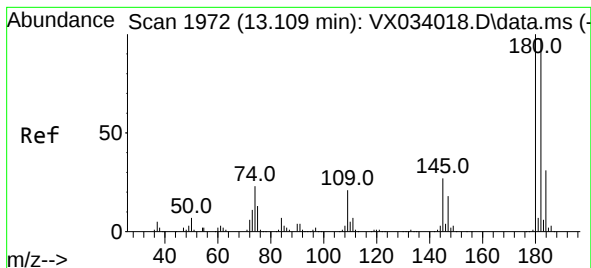
Tgt Ion:146	Resp:	8863
Ion	Ratio	Lower Upper
146	100	
111	37.4	23.7 44.1
148	66.2	45.0 83.6



#67
1,2-Dichlorobenzene
Concen: 2.410 ug/L
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion:146	Resp:	8480
Ion	Ratio	Lower Upper
146	100	
111	38.8	30.4 45.6
148	67.6	51.4 77.2





#69

1,3,5-Trichlorobenzene

Concen: 2.194 ug/L

RT: 13.116 min Scan# 1973

Delta R.T. 0.006 min

Lab File: VX034021.D

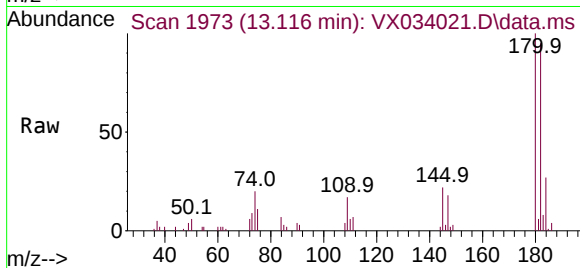
Acq: 06 Feb 2023 12:34

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-QT1-2023-02



Tgt Ion:180 Resp: 5955

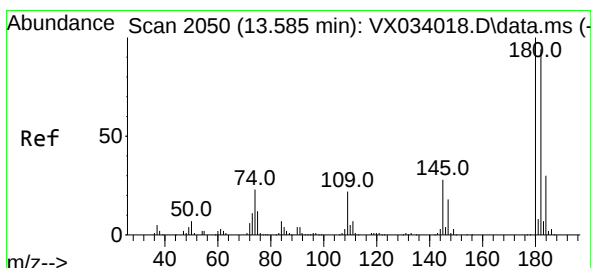
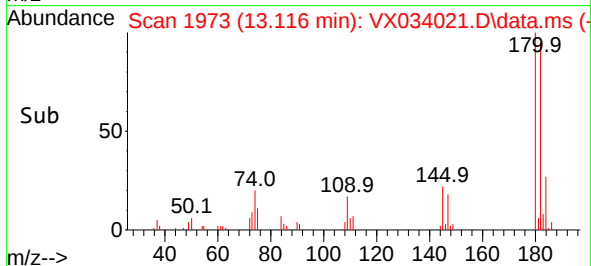
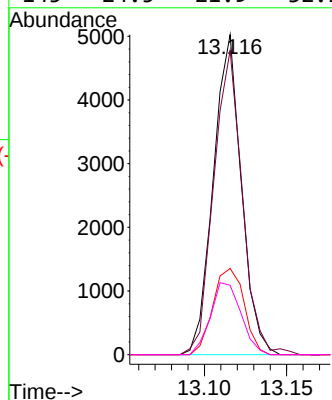
Ion Ratio Lower Upper

180 100

182 95.9 77.3 115.9

184 30.0 24.5 36.7

145 24.5 21.9 32.9



#70

1,2,4-trichlorobenzene

Concen: 2.208 ug/L

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX034021.D

Acq: 06 Feb 2023 12:34

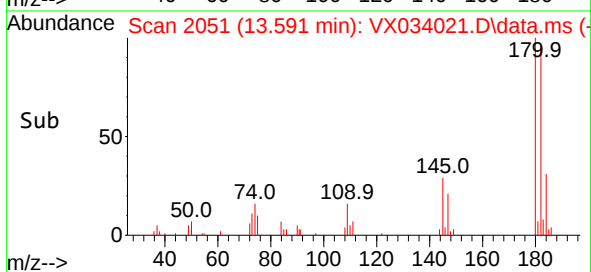
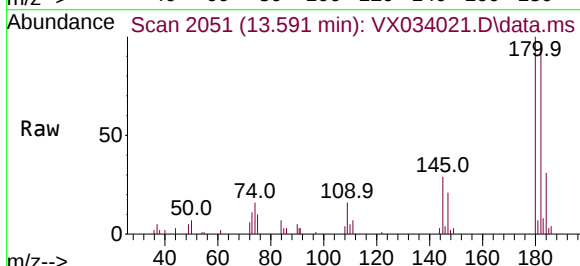
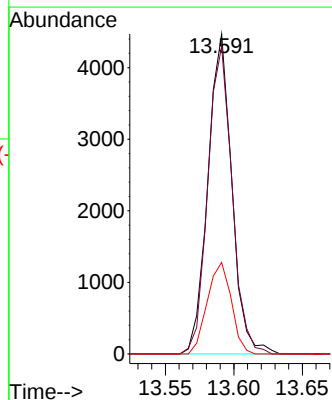
Tgt Ion:180 Resp: 5440

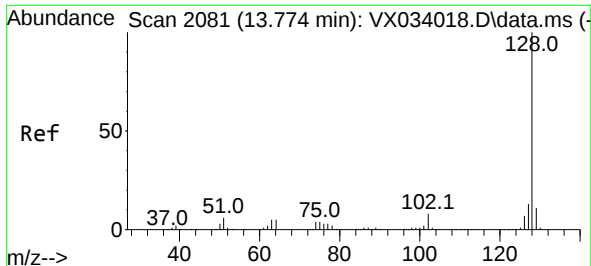
Ion Ratio Lower Upper

180 100

182 96.9 76.5 114.7

145 28.6 22.3 33.5

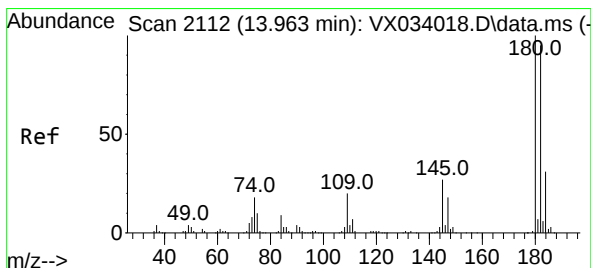
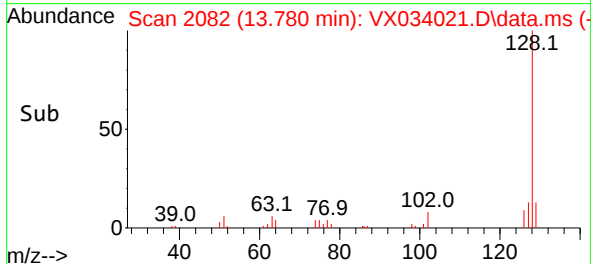
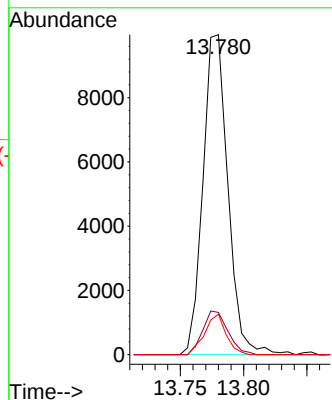
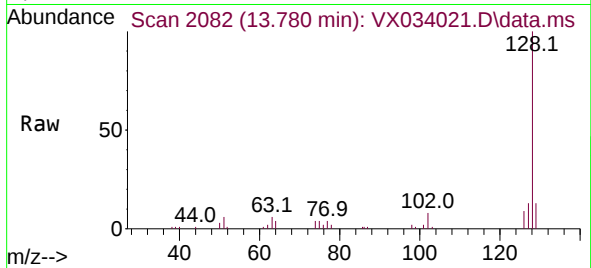




#71
Naphthalene
Concen: 2.006 ug/L
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-QT1-2023-02

Tgt Ion:128 Resp: 13685
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.2
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.284 ug/L
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX034021.D
Acq: 06 Feb 2023 12:34

Tgt Ion:180 Resp: 5555
Ion Ratio Lower Upper
180 100
182 94.7 77.1 115.7
145 29.7 23.5 35.3

