

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX102920\
 Data File : VX019178.D
 Acq On : 28 Oct 2020 21:41
 Operator : JC/MD
 Sample : L4485-10
 Misc : 25.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 MDL-WATER-03

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 11:04:37 AM

Quant Time: Oct 29 06:57:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Oct 29 06:24:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.83	114	196155	5.00	ug/L	0.00
28) Chlorobenzene-d5	10.10	117	174076	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.06	152	78504	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	64899	5.12	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.40%
7) Chloroethane-d5	1.70	69	53282	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.34	63	94391	3.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.20%
20) 2-Butanone-d5	4.56	46	143282	51.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.32%
24) Chloroform-d	5.14	84	115843	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.80%
26) 1,2-Dichloroethane-d4	6.03	65	63633	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	6.04	84	243338	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.60%
36) 1,2-Dichloropropane-d6	7.37	67	70373	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	8.70	98	227271	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
43) trans-1,3-Dichloropropene-	8.99	79	28236	4.88	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.60%
46) 2-Hexanone-d5	9.43	63	130149	51.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.74%
56) 1,1,2,2-Tetrachloroethane-	11.23	84	50812	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
66) 1,2-Dichlorobenzene-d4	12.36	152	75458	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.18	85	3762	0.232 ug/L	95
3) Chloromethane	1.31	50	3572	0.255 ug/L	90
5) Vinyl chloride	1.39	62	4056	0.257 ug/L	88
6) Bromomethane	1.64	94	2836	0.279 ug/L	87
8) Chloroethane	1.72	64	2479	0.259 ug/L	96
9) Trichlorofluoromethane	1.92	101	5297	0.233 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.36	101	4007	0.310 ug/L #	82
12) 1,1-Dichloroethene	2.35	96	3741	0.297 ug/L #	1
13) Acetone	2.46	43	3294	2.083 ug/L	94
14) Carbon disulfide	2.54	76	9289	0.238 ug/L	98
15) Methyl Acetate	2.76	43	1608	0.381 ug/L #	88
16) Methylene chloride	2.83	84	5688	0.379 ug/L	89
17) Methyl tert-butyl Ether	3.17	73	7122	0.236 ug/L #	89
18) trans-1,2-Dichloroethene	3.14	96	3265	0.247 ug/L	92
19) 1,1-Dichloroethane	3.67	63	5350	0.236 ug/L	97
21) 2-Butanone	4.67	43	7963	2.867 ug/L	92
22) cis-1,2-Dichloroethene	4.56	96	3435	0.244 ug/L	93

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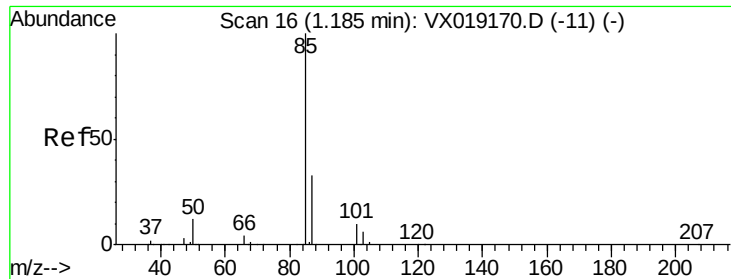
Manual Integrations
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Quant Time: Oct 29 06:57:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\SFAMXTR102920WMA.M
 Quant Title : TRACE VOA SFAM1.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.98	128	1314	0.224	ug/L	96
25) Chloroform	5.17	83	6397	0.272	ug/L	100
27) 1,2-Dichloroethane	6.16	62	3690m	0.250	ug/L	
29) 1,1,1-Trichloroethane	5.46	97	5032	0.234	ug/L	97
30) Cyclohexane	5.54	56	5223	0.244	ug/L	96
31) Carbon tetrachloride	5.75	117	4115	0.225	ug/L	99
33) Benzene	6.11	78	12689	0.245	ug/L	100
34) Trichloroethene	7.18	95	3346	0.236	ug/L	90
35) Methylcyclohexane	7.44	83	5233	0.228	ug/L	97
37) 1,2-Dichloropropane	7.49	63	2921	0.239	ug/L #	94
38) Bromodichloromethane	7.88	83	3698	0.232	ug/L	95
39) cis-1,3-Dichloropropene	8.42	75	4144	0.221	ug/L	89
40) 4-Methyl-2-pentanone	8.62	43	15408	2.361	ug/L #	87
42) Toluene	8.76	91	13071	0.233	ug/L	99
44) trans-1,3-Dichloropropene	9.02	75	3203m	0.204	ug/L	
45) 1,1,2-Trichloroethane	9.20	97	1976	0.222	ug/L	87
47) Tetrachloroethene	9.32	164	2439	0.225	ug/L	90
48) 2-Hexanone	9.48	43	12587	2.757	ug/L	94
49) Dibromochloromethane	9.56	129	2227	0.216	ug/L	91
50) 1,2-Dibromoethane	9.66	107	1788	0.216	ug/L #	91
51) Chlorobenzene	10.12	112	8110	0.229	ug/L	99
52) Ethylbenzene	10.23	91	14331	0.229	ug/L	94
53) m,p-xylene	10.34	106	5621	0.234	ug/L	100
54) o-xylene	10.68	106	5037	0.219	ug/L	90
55) Styrene	10.70	104	7643	0.203	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.26	83	2625	0.258	ug/L #	93
59) Bromoform	10.84	173	1104	0.214	ug/L #	98
60) Isopropylbenzene	11.00	105	13380	0.232	ug/L	99
61) 1,2,3-Trichloropropane	11.28	75	1776	0.252	ug/L	97
62) 1,3,5-Trimethylbenzene	11.49	105	10986	0.228	ug/L	100
63) 1,2,4-Trimethylbenzene	11.79	105	10921	0.223	ug/L	100
64) 1,3-Dichlorobenzene	12.01	146	5931	0.232	ug/L	93
65) 1,4-Dichlorobenzene	12.08	146	6228	0.243	ug/L	99
67) 1,2-Dichlorobenzene	12.38	146	5543	0.235	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.98	75	395	0.245	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.15	180	4317	0.230	ug/L	99
70) 1,2,4-trichlorobenzene	13.63	180	3609	0.220	ug/L	95
71) Naphthalene	13.82	128	6207	0.210	ug/L	98
72) 1,2,3-Trichlorobenzene	14.00	180	3481	0.240	ug/L	95

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



#2

Dichlorodifluoromethane

Concen: 0.232 ug/L

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion: 85 Resp: 3762

Ion Ratio Lower Upper

85 100

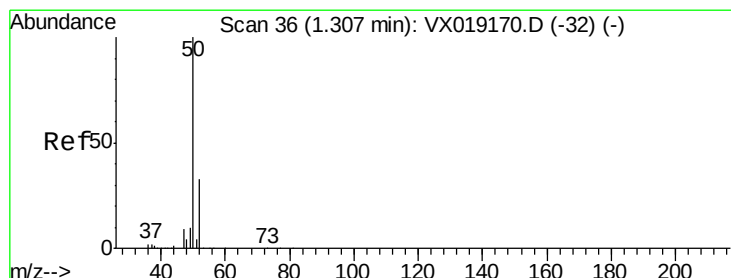
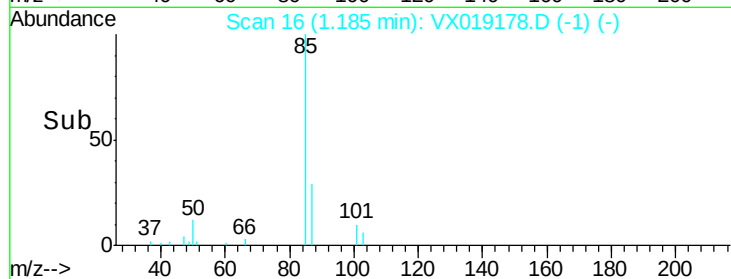
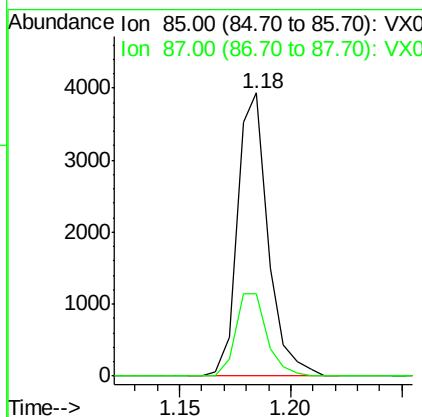
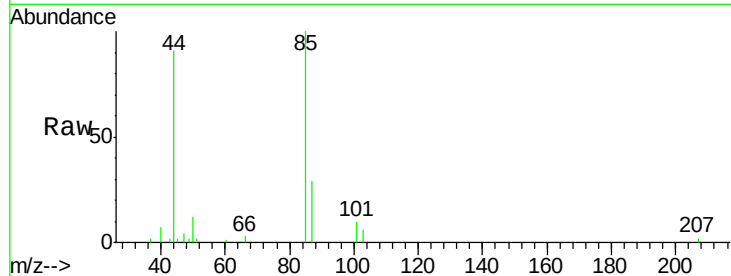
87 30.1 26.1 39.1

Manual Integrations

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#3

Chloromethane

Concen: 0.255 ug/L

RT: 1.31 min Scan# 36

Delta R.T. -0.00 min

Lab File: VX019178.D

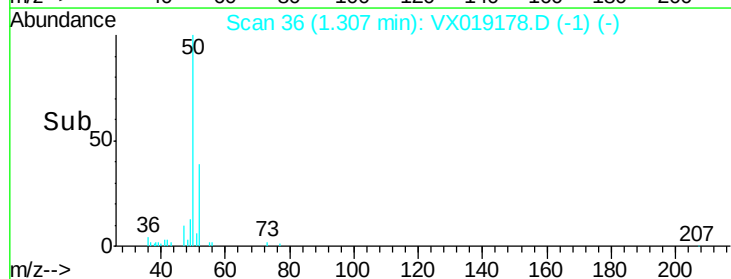
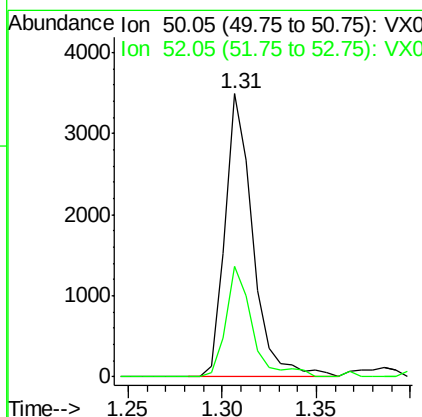
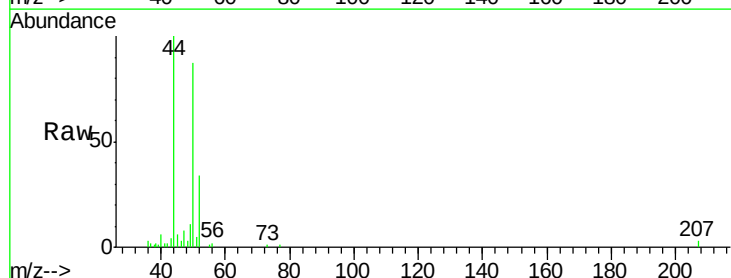
Acq: 28 Oct 2020 21:41

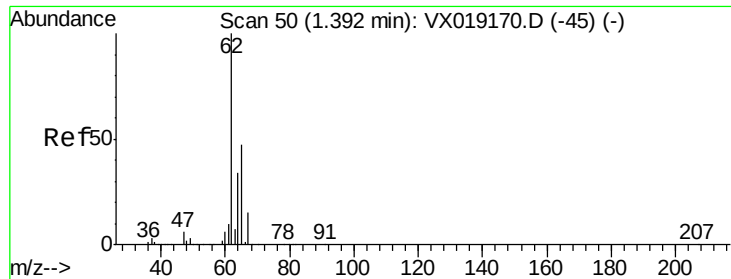
Tgt Ion: 50 Resp: 3572

Ion Ratio Lower Upper

50 100

52 39.1 23.4 43.6





#5

Vinyl chloride

Concen: 0.257 ug/L

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion: 62 Resp: 4056

Ion Ratio Lower Upper

62 100

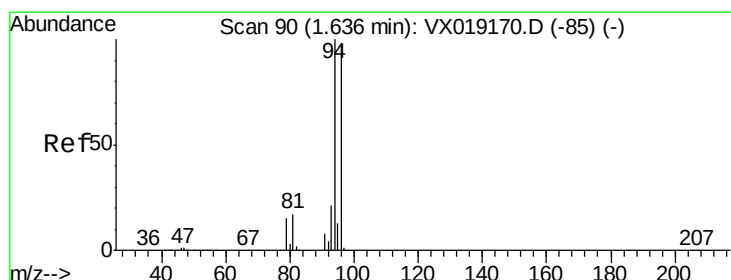
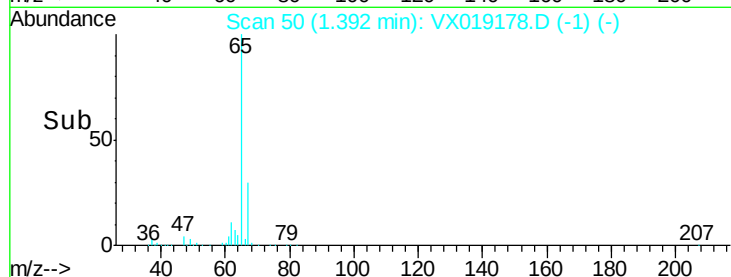
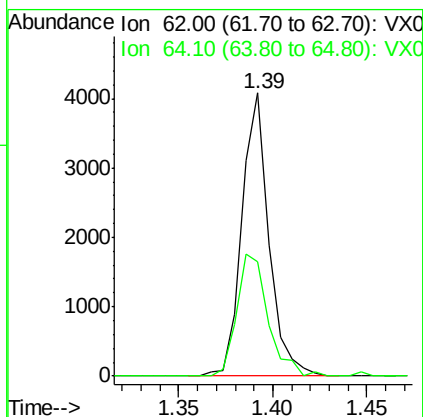
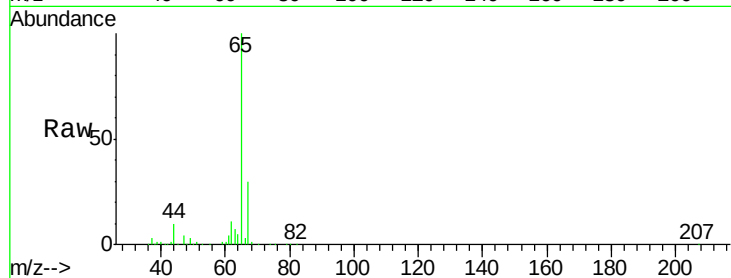
64 40.7 23.5 43.7

Manual Integrations

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#6

Bromomethane

Concen: 0.279 ug/L

RT: 1.64 min Scan# 90

Delta R.T. -0.00 min

Lab File: VX019178.D

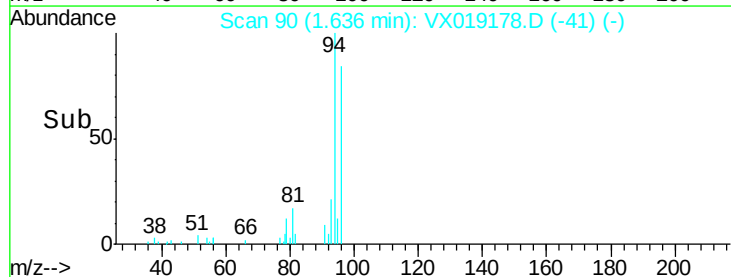
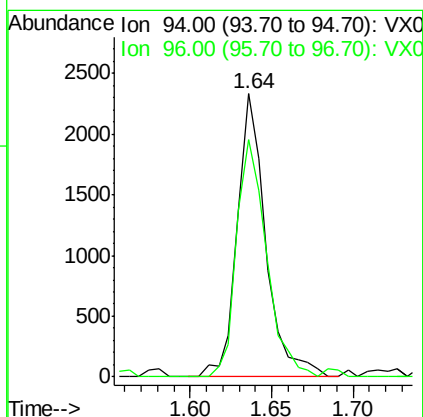
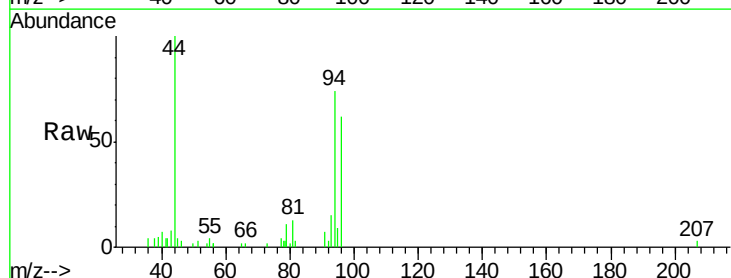
Acq: 28 Oct 2020 21:41

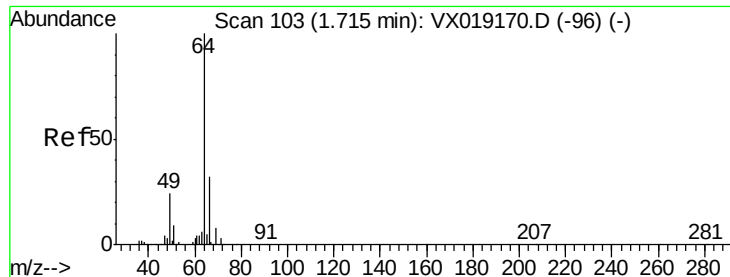
Tgt Ion: 94 Resp: 2836

Ion Ratio Lower Upper

94 100

96 83.8 67.9 126.1





#8

Chloroethane

Concen: 0.259 ug/L

RT: 1.72 min Scan# 103

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion: 64 Resp: 2479

Ion Ratio Lower Upper

64 100

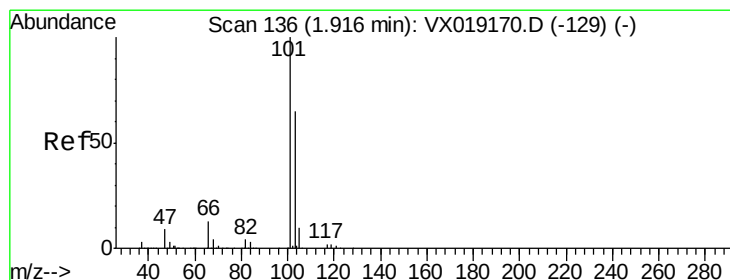
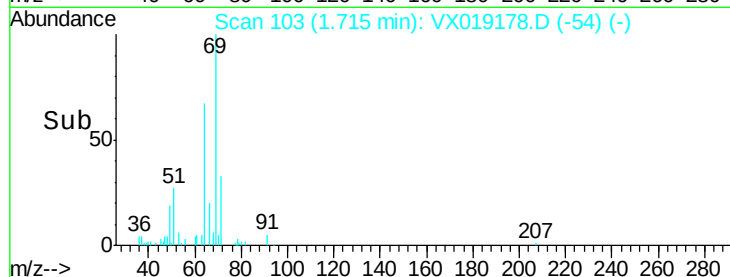
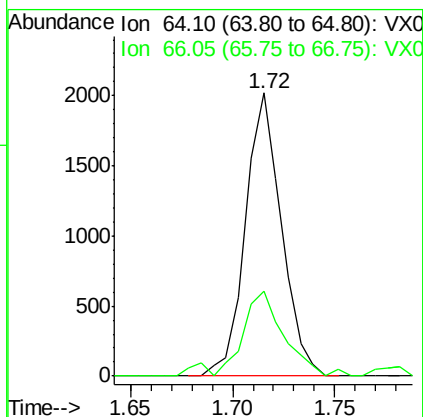
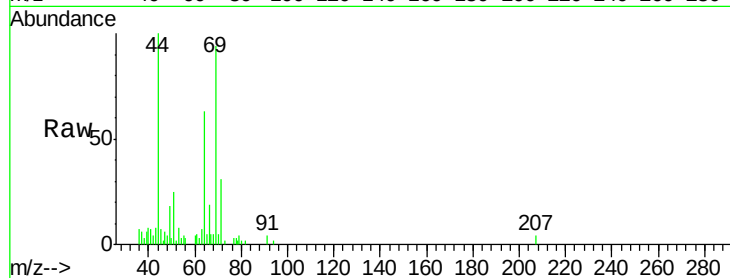
66 30.1 22.7 42.1

Manual Integrations

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10/29/2020 11:04:37 AM



#9

Trichlorofluoromethane

Concen: 0.233 ug/L

RT: 1.92 min Scan# 136

Delta R.T. -0.00 min

Lab File: VX019178.D

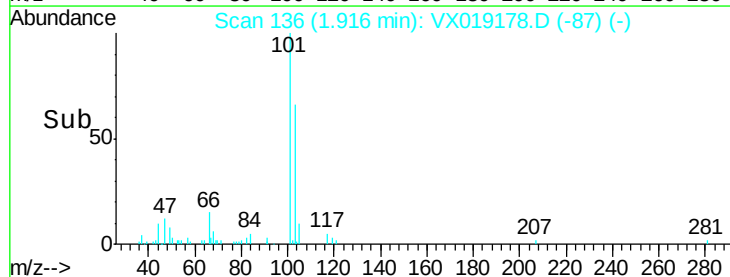
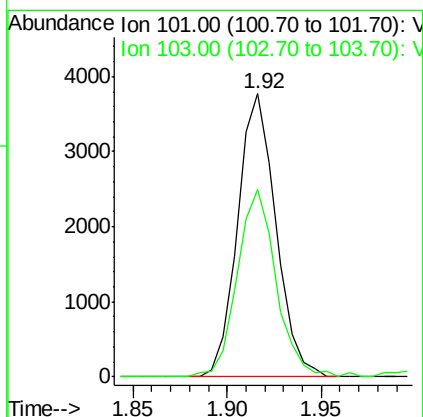
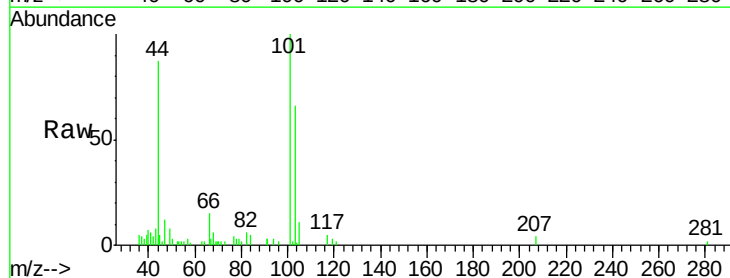
Acq: 28 Oct 2020 21:41

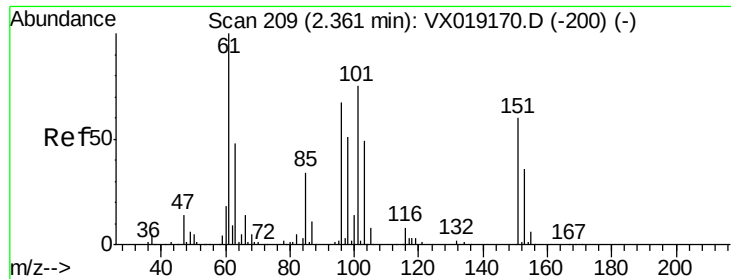
Tgt Ion: 101 Resp: 5297

Ion Ratio Lower Upper

101 100

103 67.5 51.9 77.9





#10

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

Concen: 0.310 ug/L

RT: 2.36 min Scan# 209

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

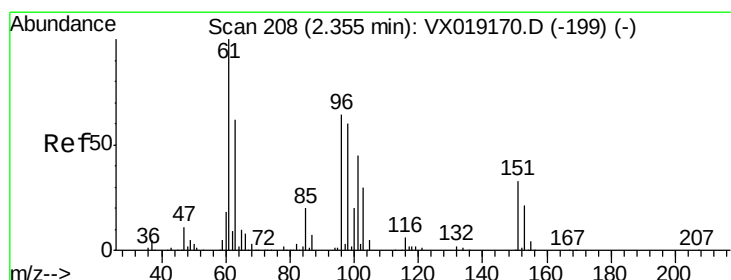
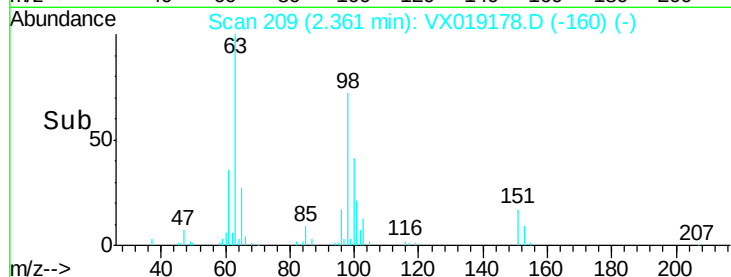
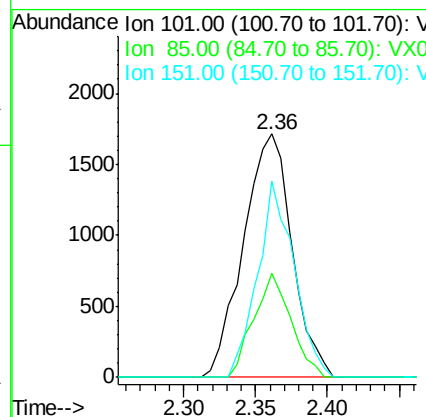
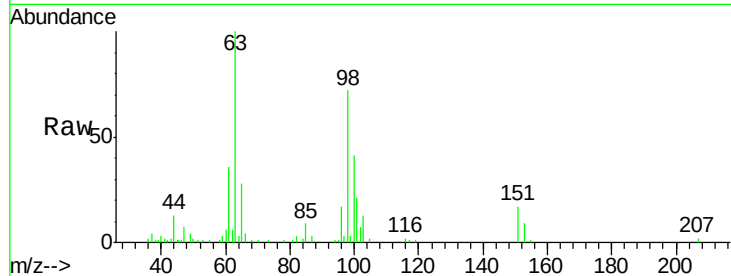
ClientSampleId :

MDL-WATER-03

Tot Ion:	101	Resp:	4007
Ion Ratio	Lower	Upper	
101	100		
85	32.7	35.3	52.9#
151	60.4	60.9	91.3#

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#12

1,1-Dichloroethene

Concen: 0.297 ug/L

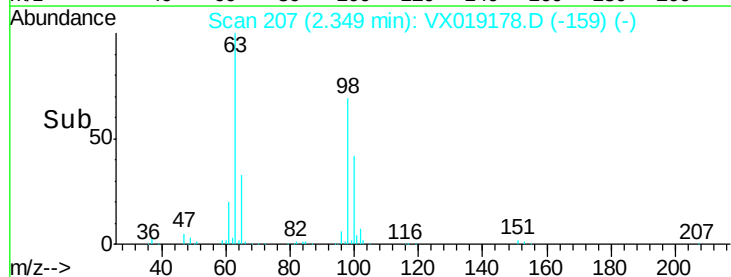
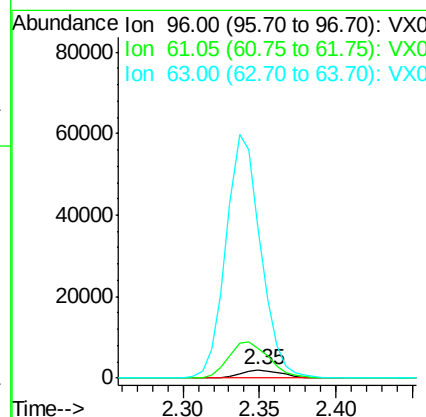
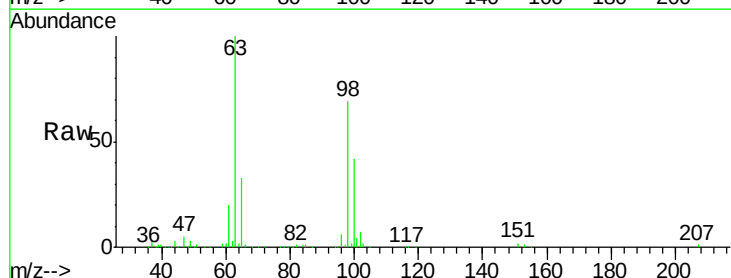
RT: 2.35 min Scan# 207

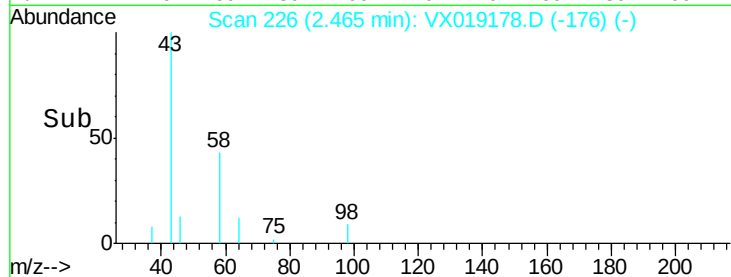
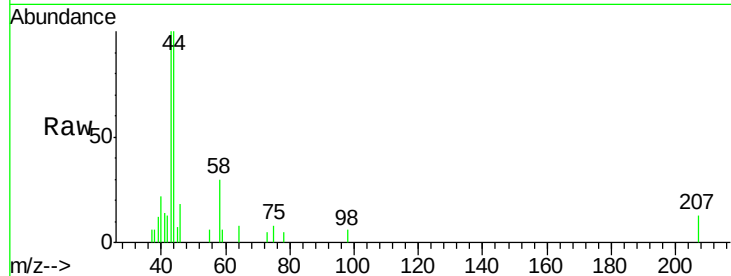
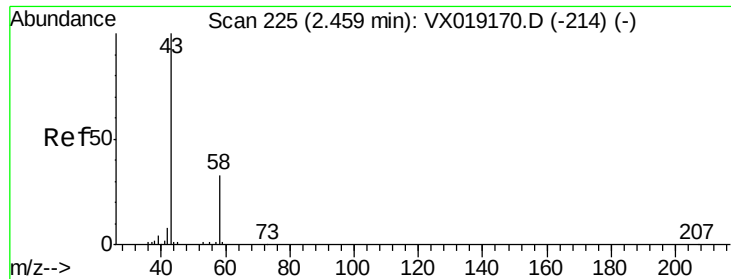
Delta R.T. -0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Tgt Ion:	96	Resp:	3741
Ion Ratio	Lower	Upper	
96	100		
61	342.7	109.5	203.3#
63	1754.7	68.3	126.9#





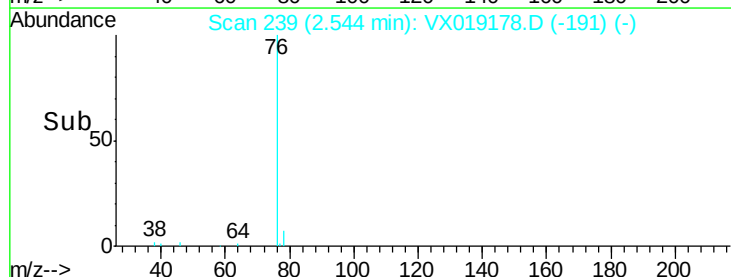
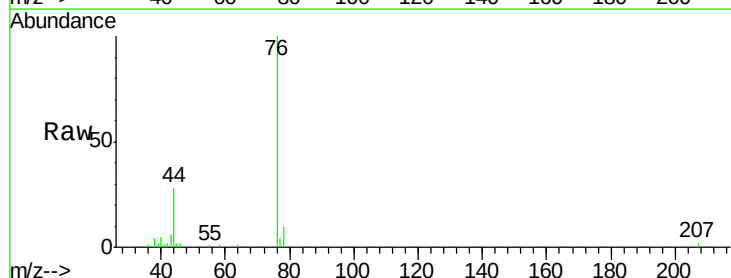
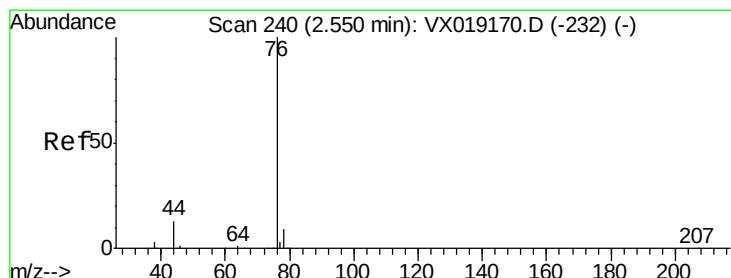
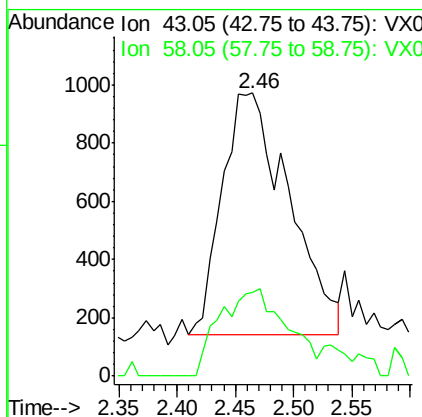
#13
Acetone
Concen: 2.083 ug/L
RT: 2.46 min Scan# 226
Delta R.T. 0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.3	0.0	65.4

Instrument :
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MDL-WATER-03

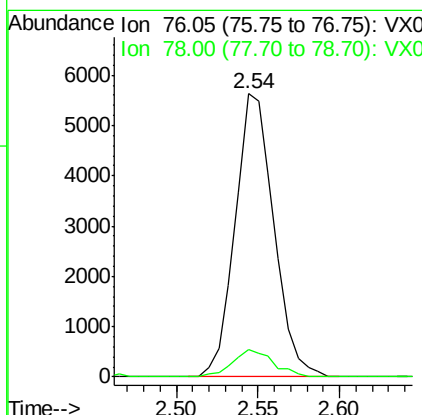
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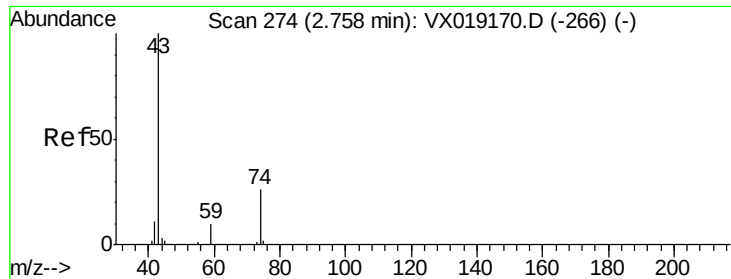
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10/29/2020 11:04:37 AM



#14
Carbon disulfide
Concen: 0.238 ug/L
RT: 2.54 min Scan# 239
Delta R.T. -0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.4	11.0





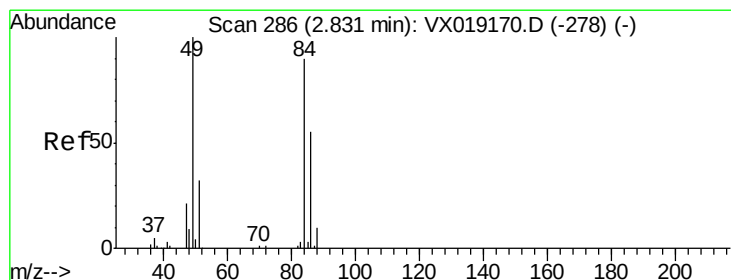
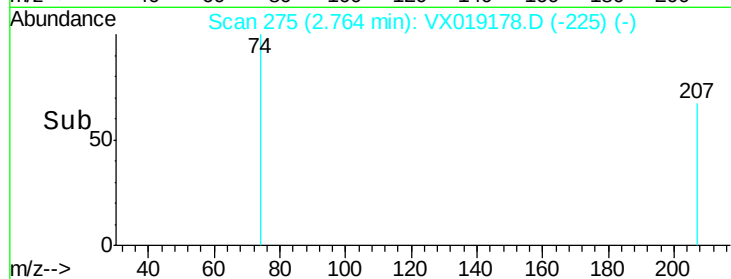
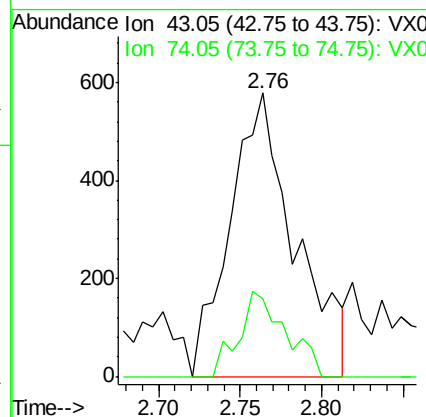
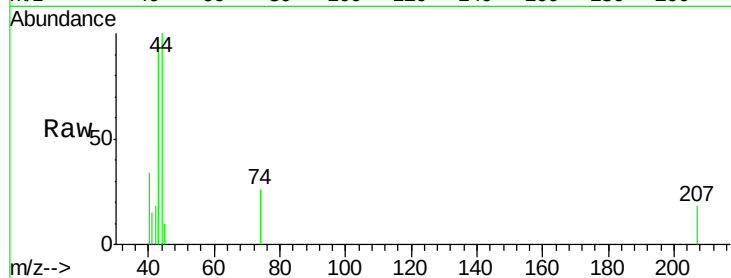
#15
Methyl Acetate
Concen: 0.381 ug/L
RT: 2.76 min Scan# 275
Delta R.T. 0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
43	100		
74	21.5	22.3	33.5#

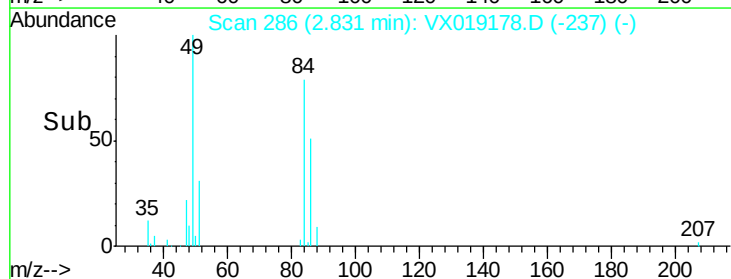
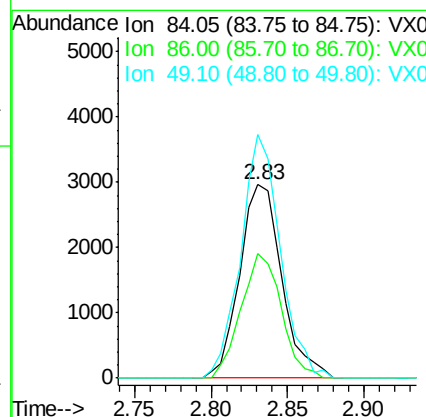
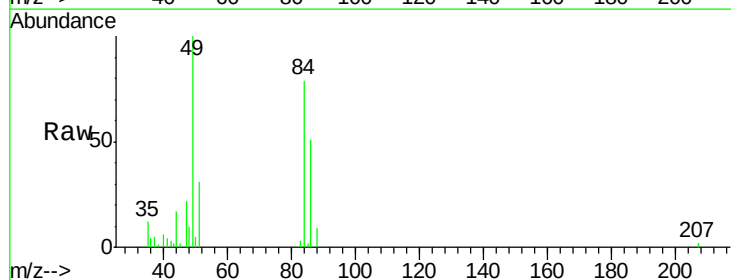
Manual Integrations
APPROVED

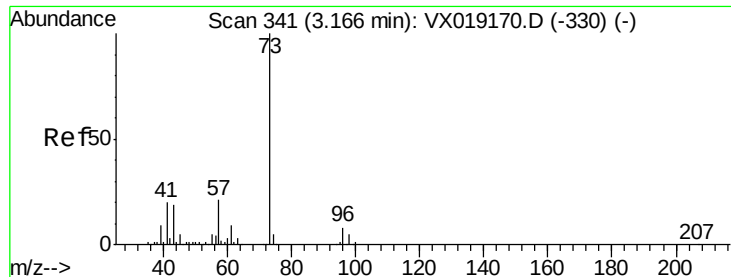
MMDadoda
10/29/2020 11:04:37 AM



#16
Methylene chloride
Concen: 0.379 ug/L
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
84	100		
86	64.5	42.2	78.4
49	126.0	77.5	143.9





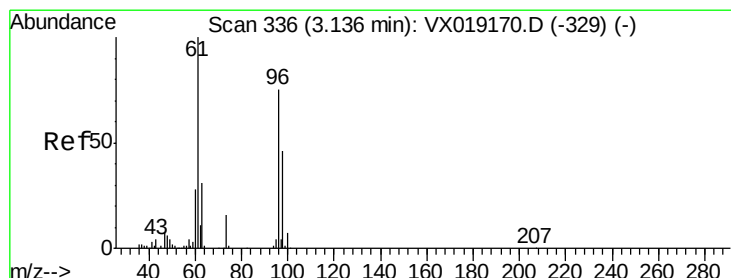
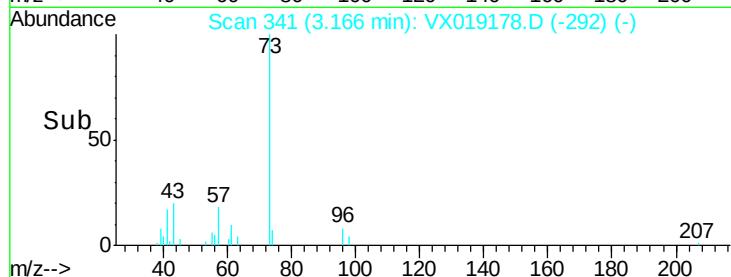
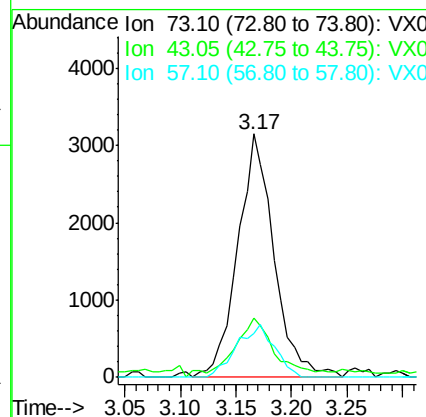
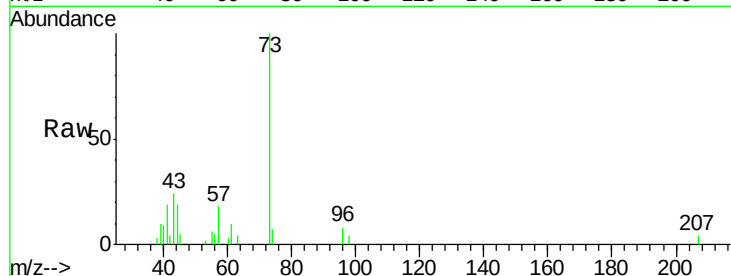
#17
Methyl tert-butyl Ether
Concen: 0.236 ug/L
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
73	100		
43	28.4	16.1	24.1#
57	22.5	16.8	25.2

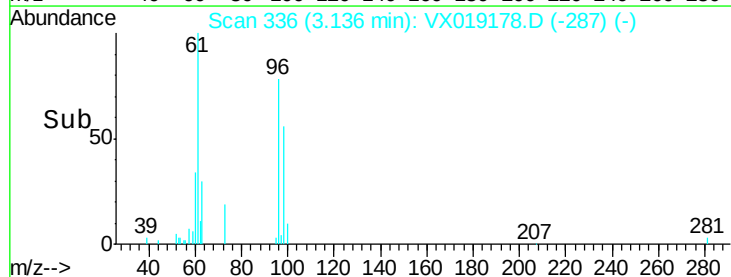
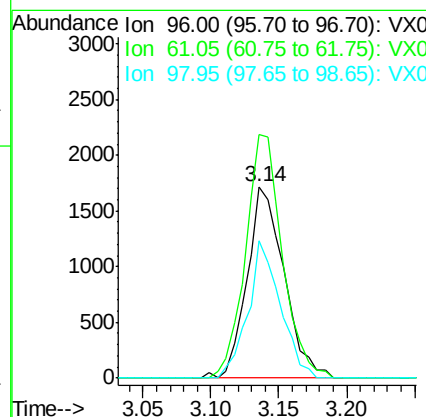
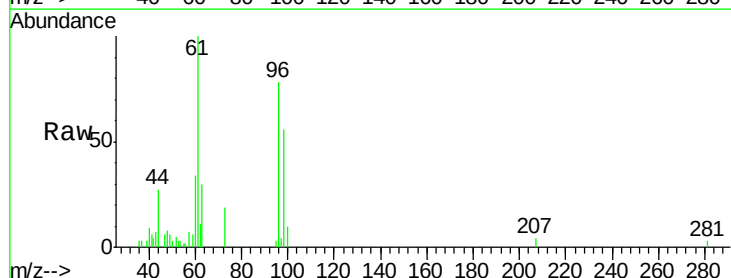
Manual Integrations
APPROVED

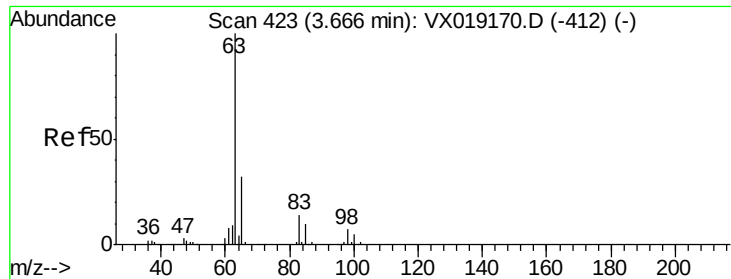
MMDadoda
10/29/2020 11:04:37 AM



#18
trans-1,2-Dichloroethene
Concen: 0.247 ug/L
RT: 3.14 min Scan# 336
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.4	93.7	173.9
98	72.0	42.8	79.6





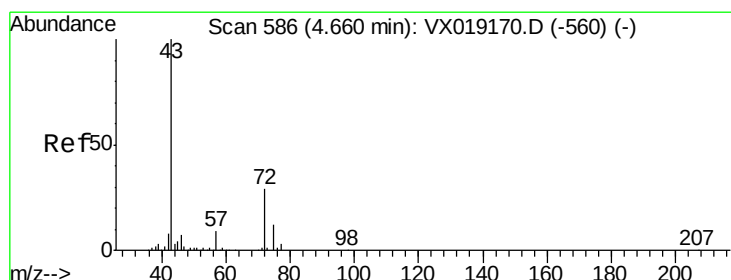
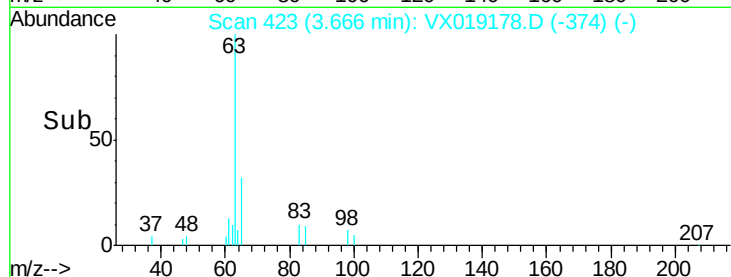
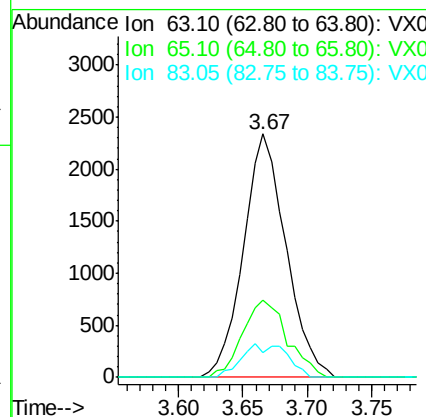
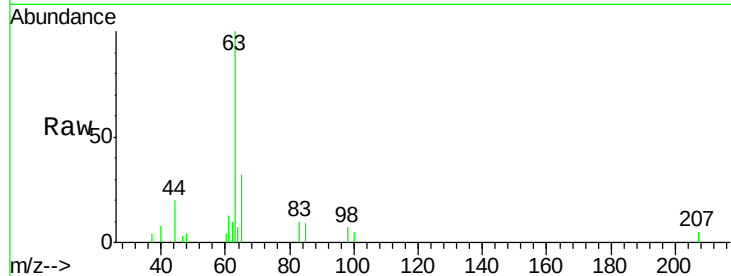
#19
 1,1-Dichloroethane
 Concen: 0.236 ug/L
 RT: 3.67 min Scan# 423
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion:	63	Resp:	5350
Ion	Ratio	Lower	Upper
63	100		
65	31.7	22.5	41.9
83	10.0	9.7	17.9

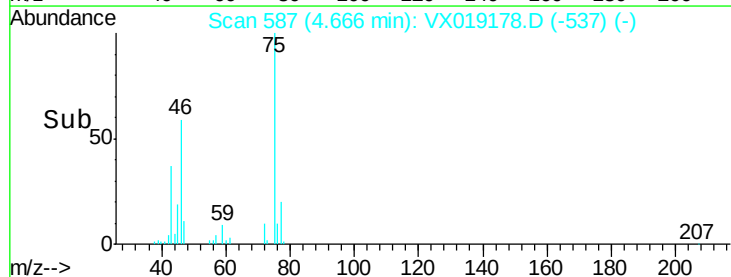
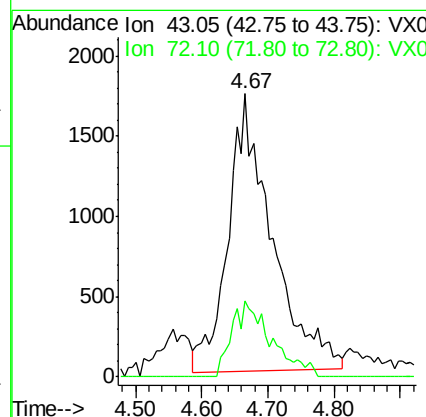
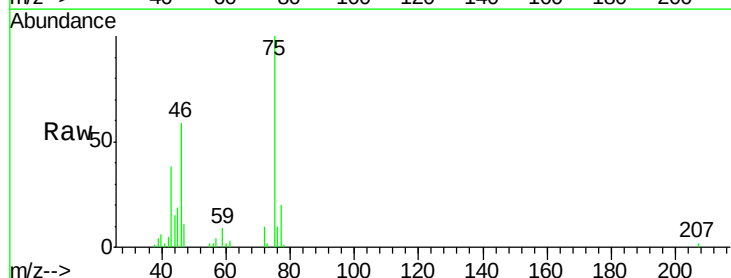
Manual Integrations
 APPROVED

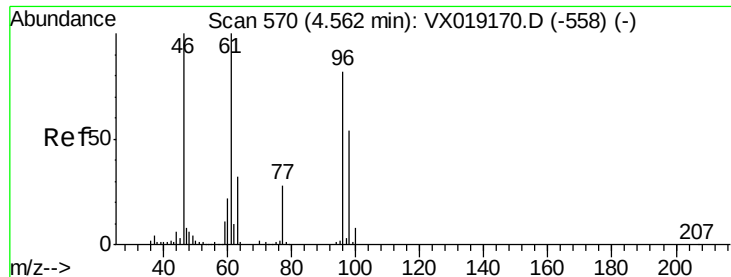
MMDadoda
 10/29/2020 11:04:37 AM



#21
 2-Butanone
 Concen: 2.867 ug/L
 RT: 4.67 min Scan# 587
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:	43	Resp:	7963
Ion	Ratio	Lower	Upper
43	100		
72	24.6	14.4	43.4





#22

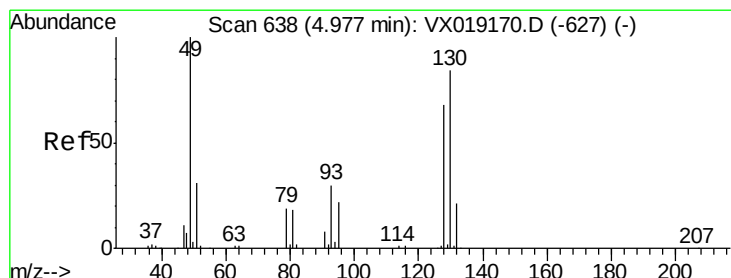
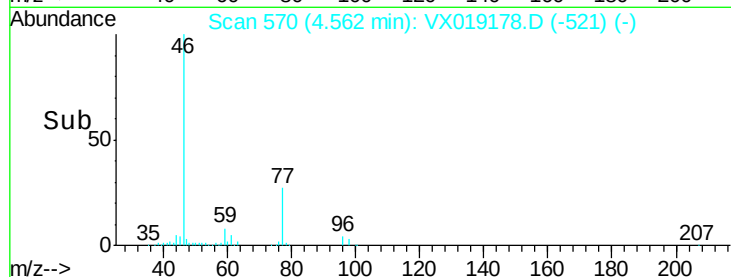
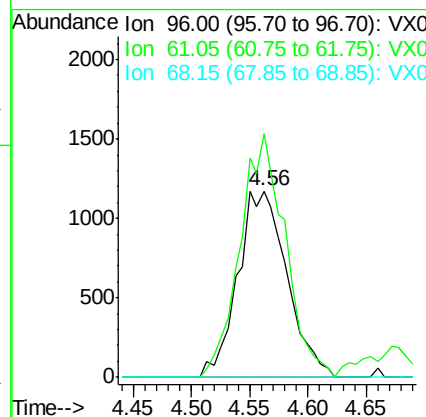
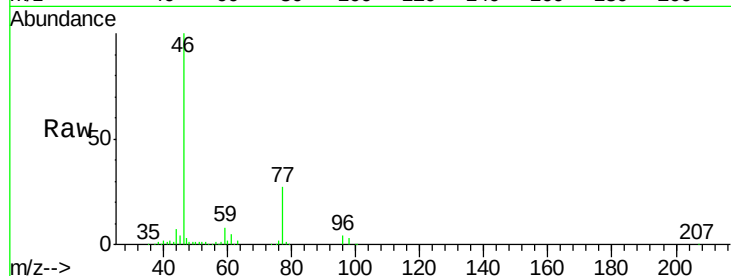
cis-1,2-Dichloroethene
Concen: 0.244 ug/L
RT: 4.56 min Scan# 570
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.8	85.7	159.1
68	0.0	0.0	0.0

Manual Integrations
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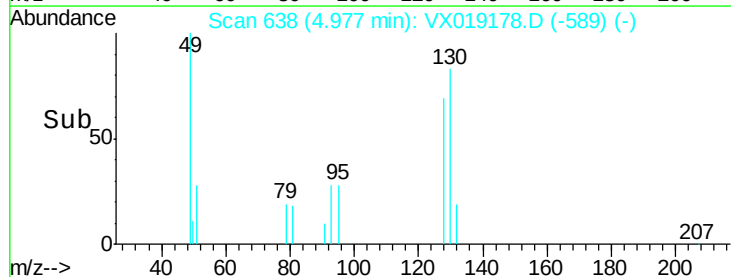
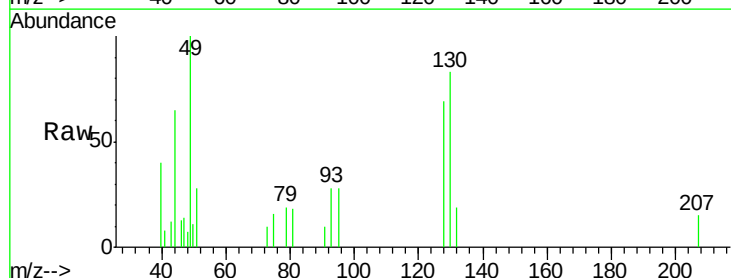
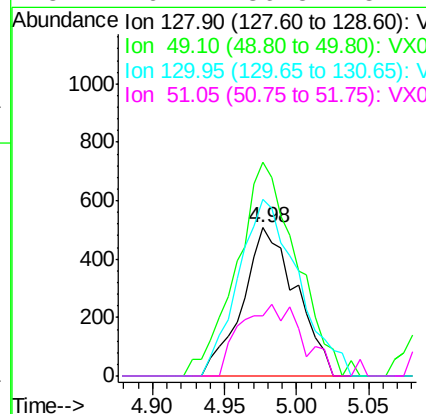
MMDadoda
10/29/2020 11:04:37 AM

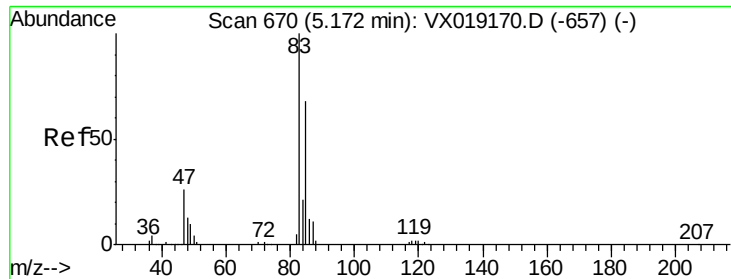


#23

Bromochloromethane
Concen: 0.224 ug/L
RT: 4.98 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
128	100		
49	143.9	102.8	191.0
130	119.3	86.3	160.3
51	40.2	36.5	54.7





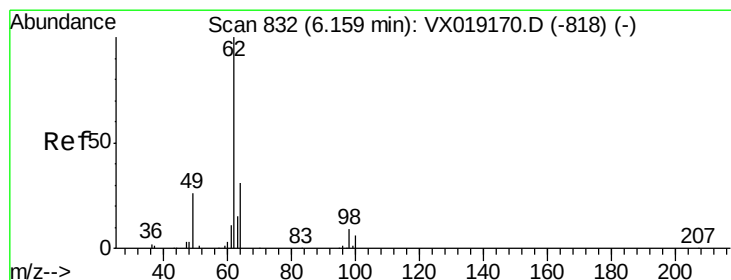
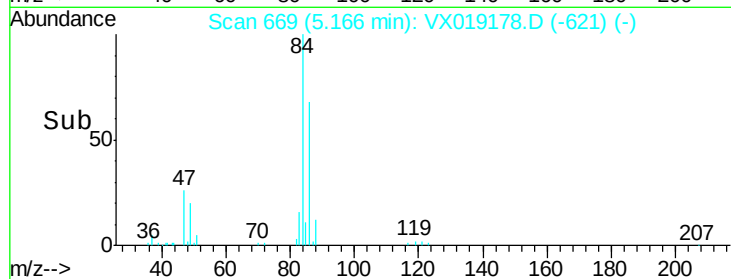
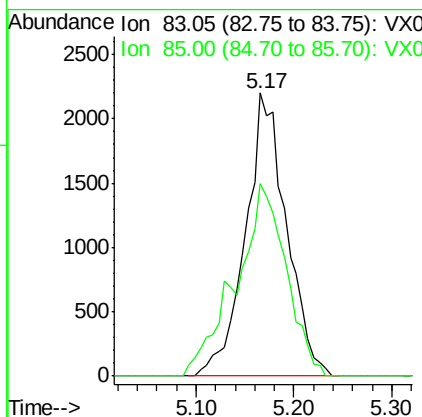
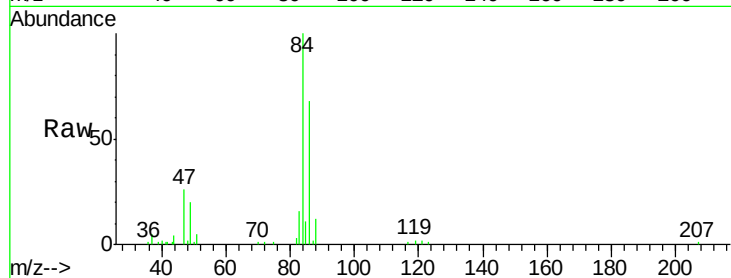
#25
Chloroform
Concen: 0.272 ug/L
RT: 5.17 min Scan# 669
Delta R.T. -0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	83	Resp	6397
Ion Ratio	100	Lower	Upper
85	67.8	47.6	88.4

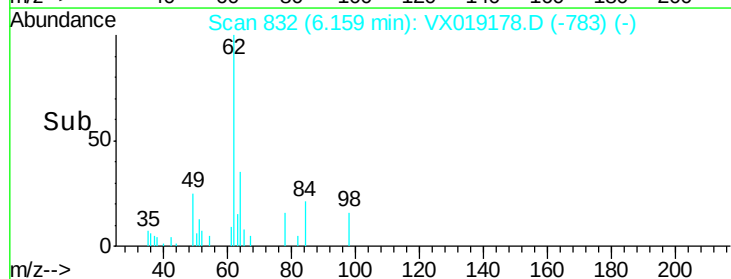
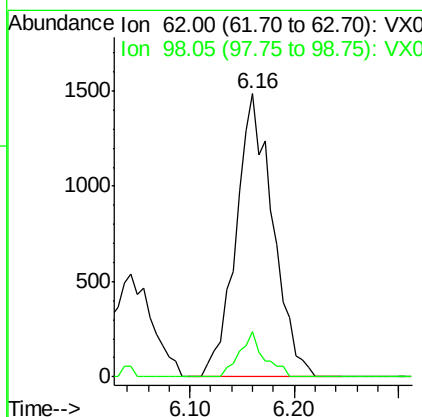
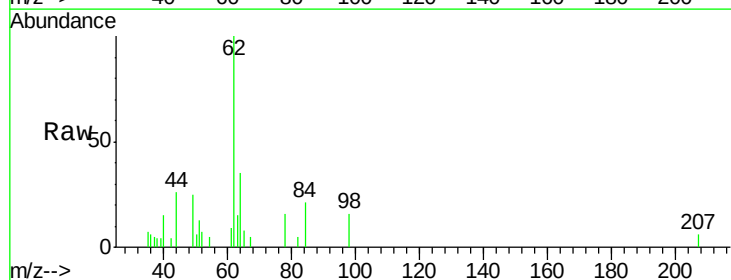
Manual Integrations
APPROVED

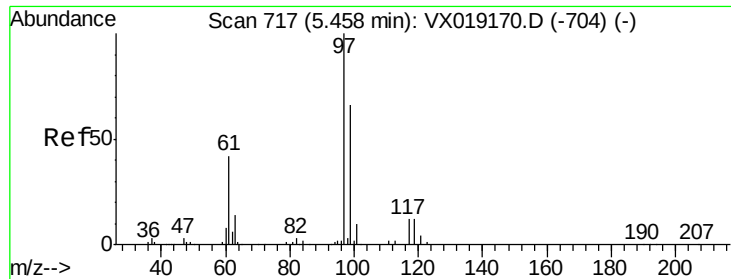
MMDadoda
10/29/2020 11:04:37 AM



#27
1,2-Dichloroethane
Concen: 0.250 ug/L m
RT: 6.16 min Scan# 832
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	62	Resp	3690
Ion Ratio	100	Lower	Upper
98	16.1	7.4	11.0#





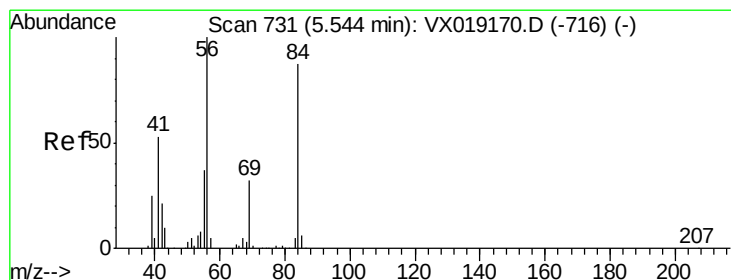
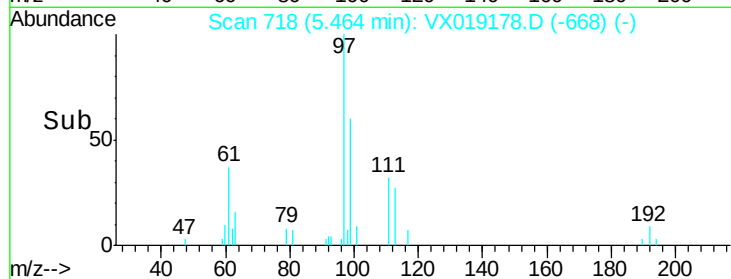
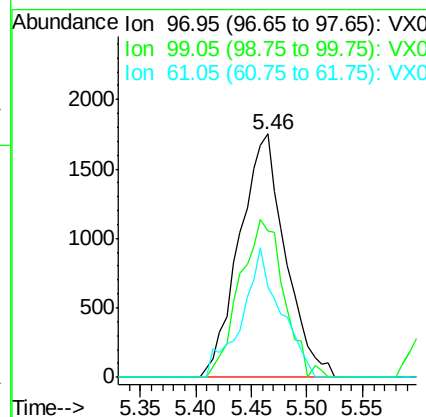
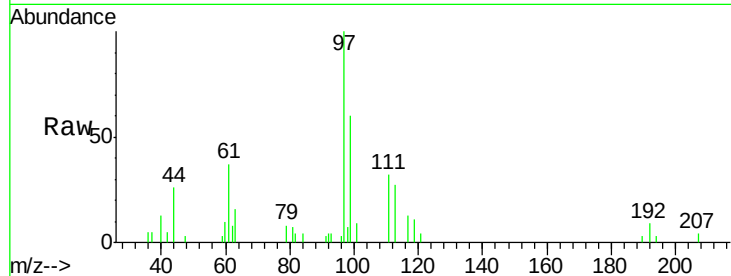
#29
 1,1,1-Trichloroethane
 Concen: 0.234 ug/L
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion:	97	Resp:	5032
Ion	Ratio	Lower	Upper
97	100		
99	62.4	51.8	77.8
61	44.6	34.5	51.7

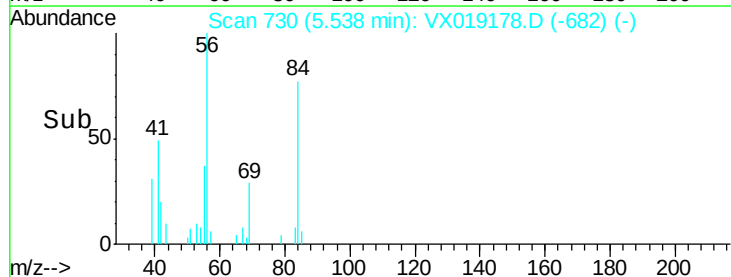
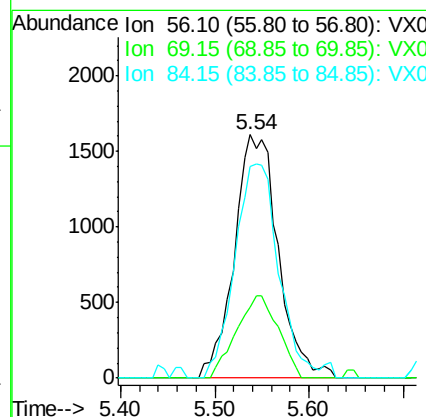
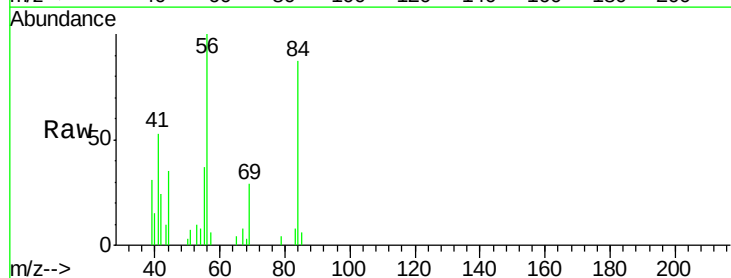
Manual Integrations
 APPROVED

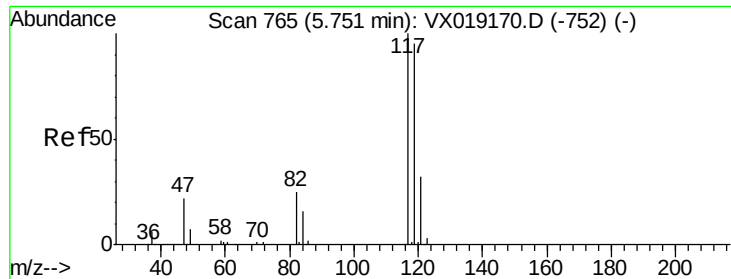
MMDadoda
 10/29/2020 11:04:37 AM



#30
 Cyclohexane
 Concen: 0.244 ug/L
 RT: 5.54 min Scan# 730
 Delta R.T. -0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:	56	Resp:	5223
Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.2	39.2
84	88.1	74.5	111.7





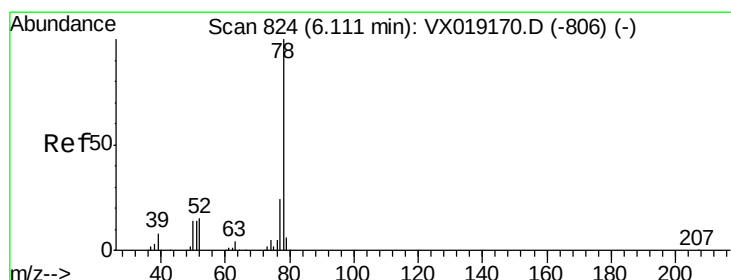
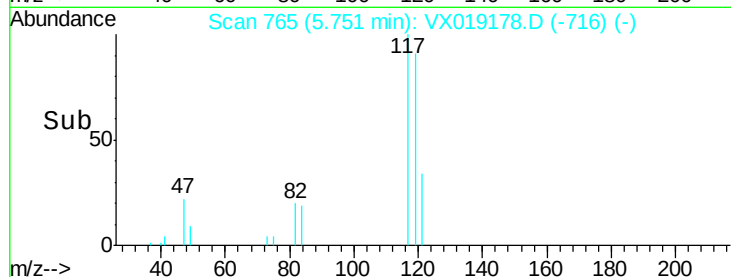
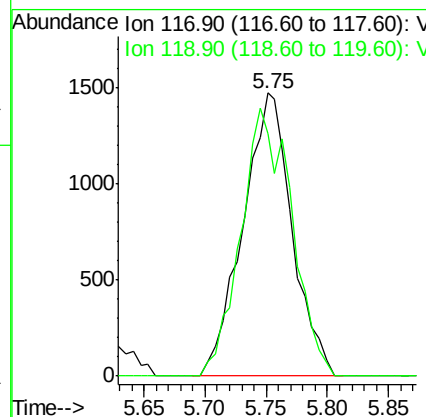
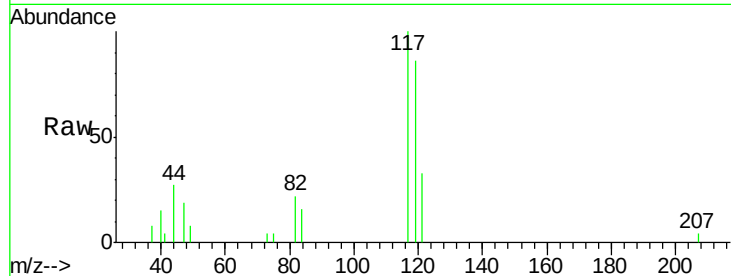
#31
Carbon tetrachloride
Concen: 0.225 ug/L
RT: 5.75 min Scan# 765
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion:117 Resp: 4115
Ion Ratio Lower Upper
117 100
119 97.4 77.3 115.9

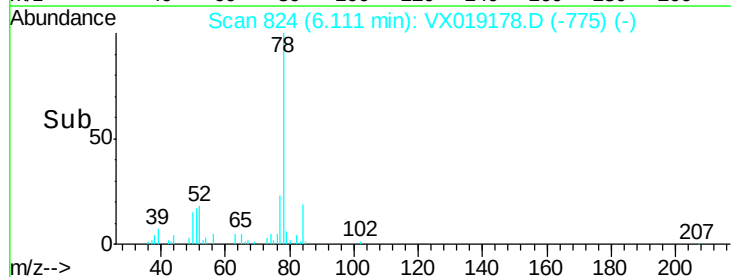
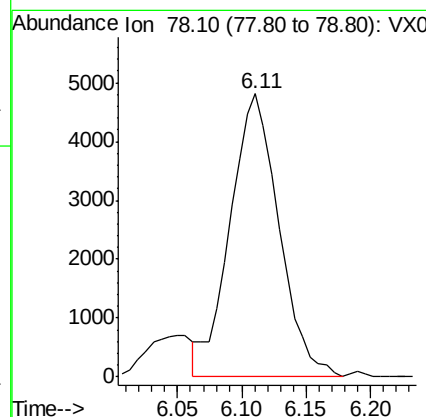
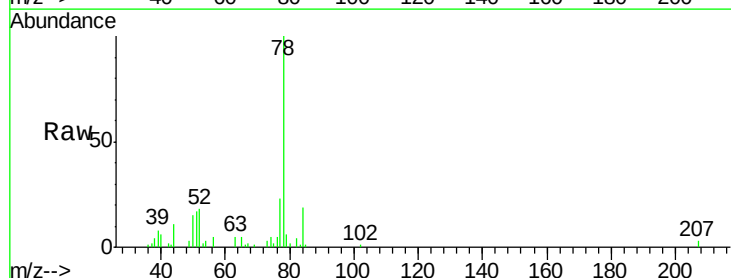
Manual Integrations
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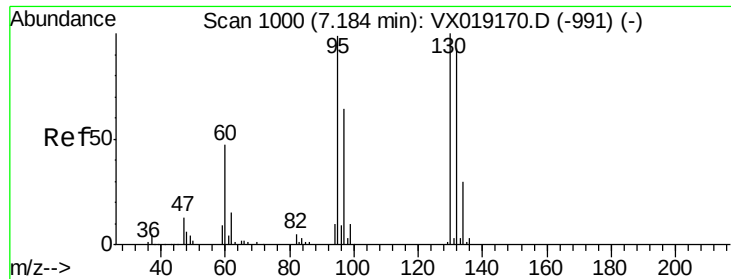
MMDadoda
10/29/2020 11:04:37 AM



#33
Benzene
Concen: 0.245 ug/L
RT: 6.11 min Scan# 824
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion: 78 Resp: 12689





#34

Trichloroethene

Concen: 0.236 ug/L

RT: 7.18 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

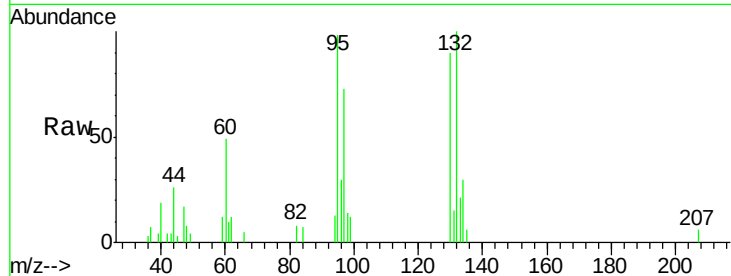
ClientSampleId :

MDL-WATER-03

Tot Ion:	95	Resp:	3346
Ion	Ratio	Lower	Upper
95	100		
97	74.1	45.2	84.0
132	102.0	65.3	121.3
130	91.3	70.6	131.0

Manual Integrations
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10/29/2020 11:04:37 AM

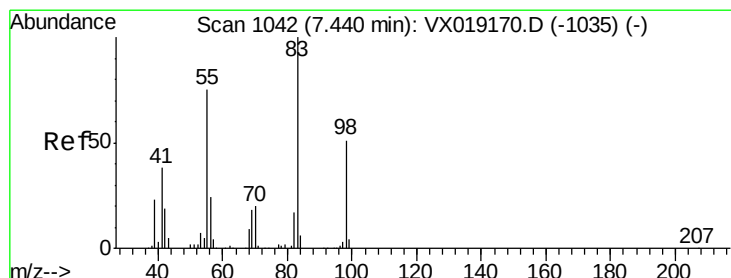
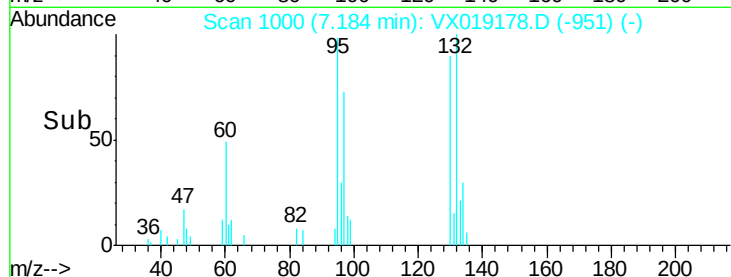
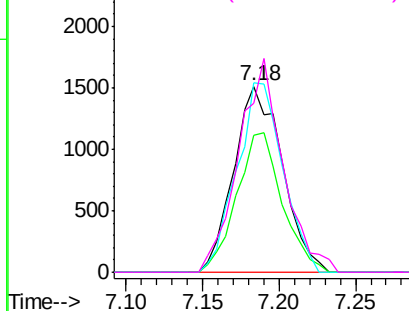


Abundance Ion 95.00 (94.70 to 95.70): VX0

Ion 96.95 (96.65 to 97.65): VX0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.228 ug/L

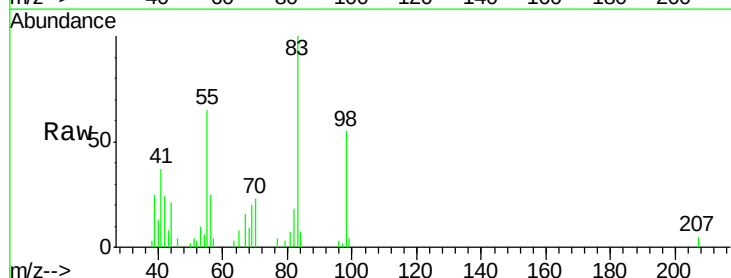
RT: 7.44 min Scan# 1042

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

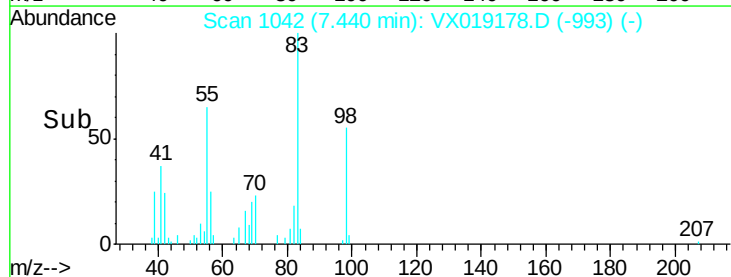
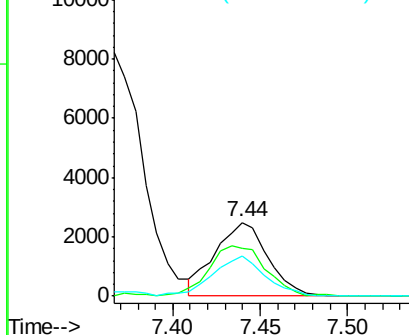
Tgt Ion:	83	Resp:	5233
Ion	Ratio	Lower	Upper
83	100		
55	73.6	58.5	87.7
98	54.1	40.1	60.1

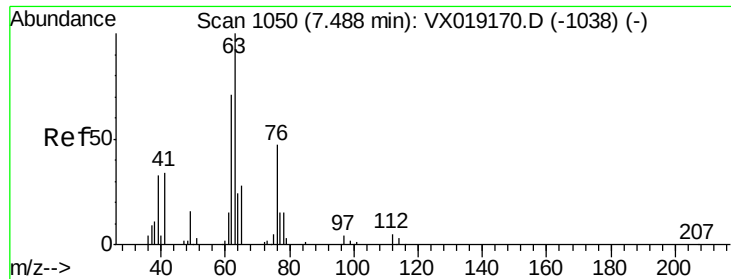


Abundance Ion 83.15 (82.85 to 83.85): VX0

Ion 55.10 (54.80 to 55.80): VX0

Ion 98.15 (97.85 to 98.85): VX0





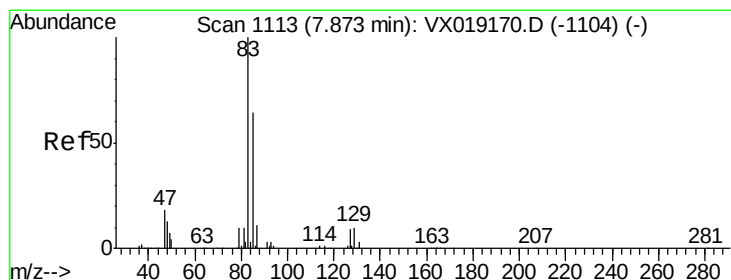
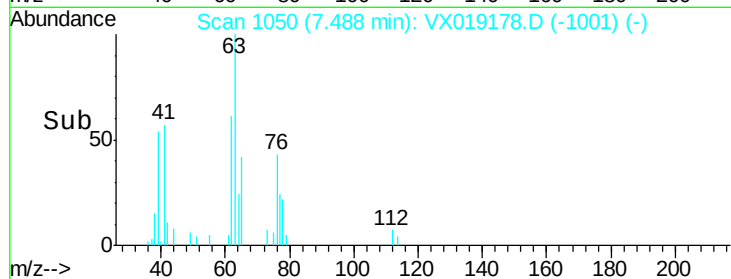
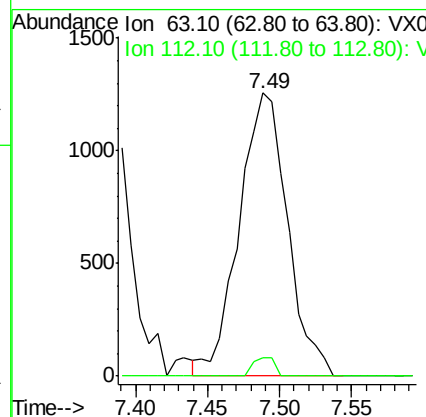
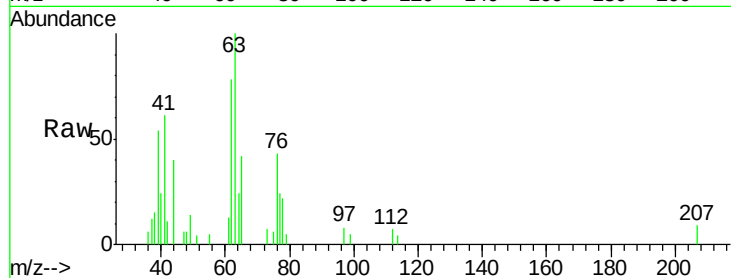
#37
 1,2-Dichloropropane
 Concen: 0.239 ug/L
 RT: 7.49 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
63	100		
112	2.8	3.8	5.6#

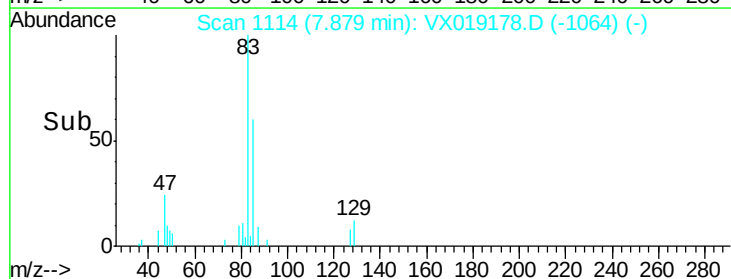
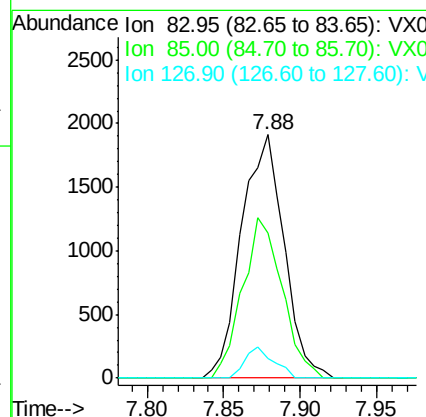
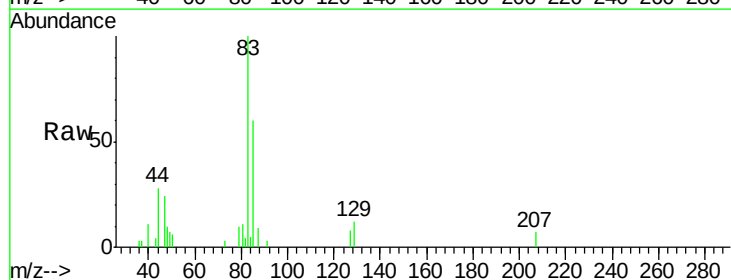
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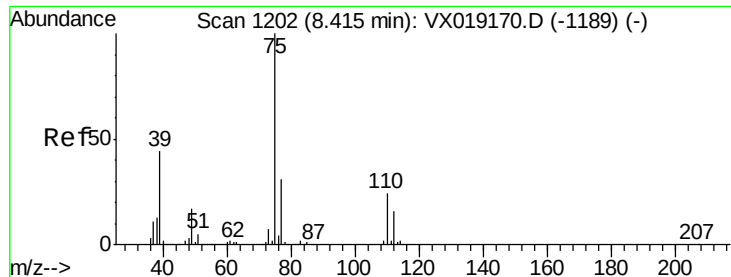
MMDadoda
 10/29/2020 11:04:37 AM



#38
 Bromodichloromethane
 Concen: 0.232 ug/L
 RT: 7.88 min Scan# 1114
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	44.4	82.5
127	8.2	7.2	10.8





#39

cis-1,3-Dichloropropene

Concen: 0.221 ug/L

RT: 8.42 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion: 75 Resp: 4144

Ion Ratio Lower Upper

75 100

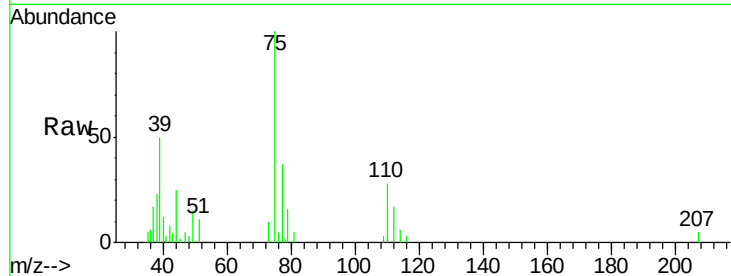
77 37.3 21.8 40.6

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Abundance Ion 75.05 (74.75 to 75.75): VX0

Ion 77.05 (76.75 to 77.75): VX0

2500

2000

1500

1000

500

0

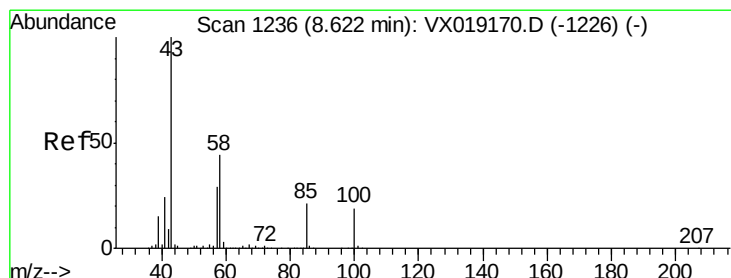
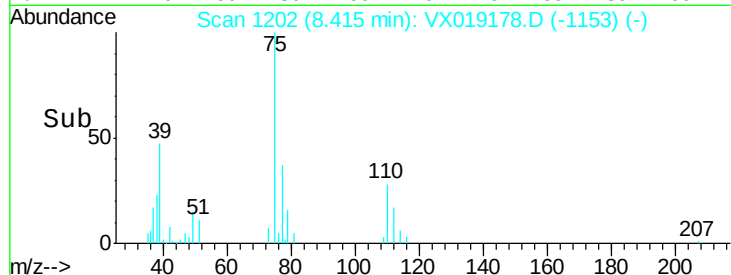
8.35

8.40

8.45

8.50

Time-->



#40

4-Methyl-2-pentanone

Concen: 2.361 ug/L

RT: 8.62 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

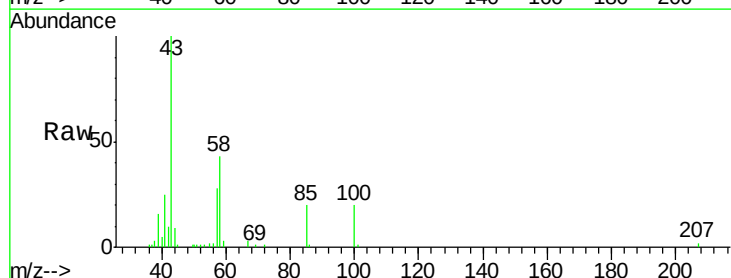
Tgt Ion: 43 Resp: 15408

Ion Ratio Lower Upper

43 100

58 42.6 34.1 51.1

100 0.0 15.0 22.4#



Abundance Ion 43.05 (42.75 to 43.75): VX0

Ion 58.05 (57.75 to 58.75): VX0

Ion 100.15 (99.85 to 100.85): V

120000

100000

80000

60000

40000

20000

0

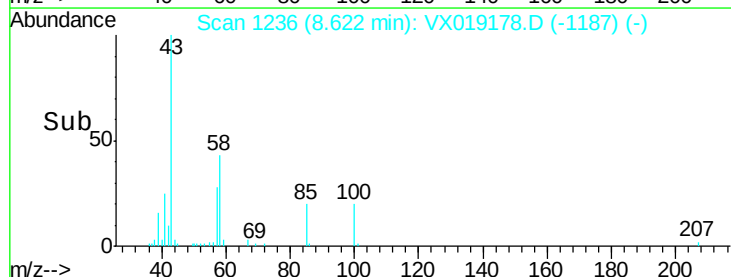
8.55

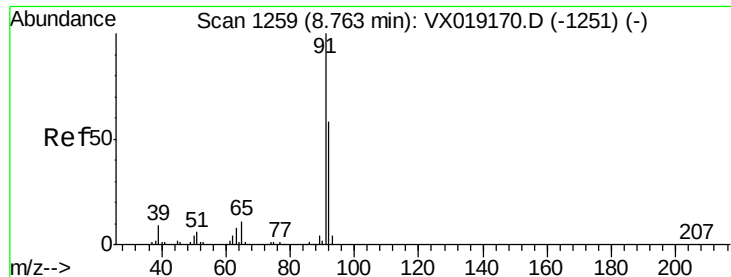
8.60

8.65

8.70

Time-->





#42

Toluene

Concen: 0.233 ug/L

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion: 91 Resp: 13071

Ion Ratio Lower Upper

91 100

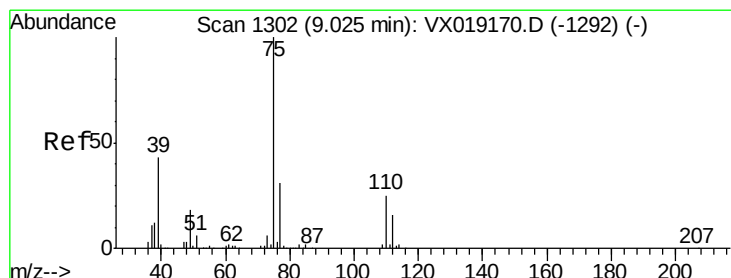
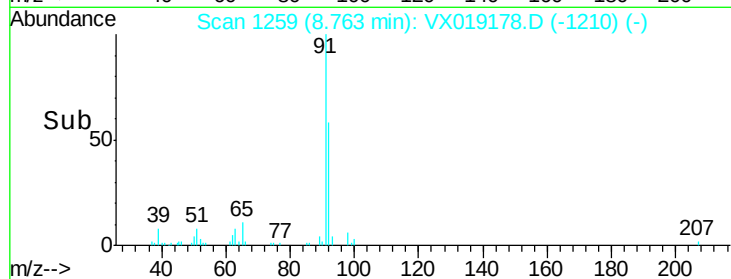
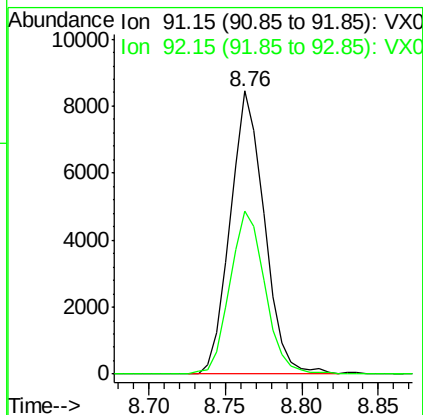
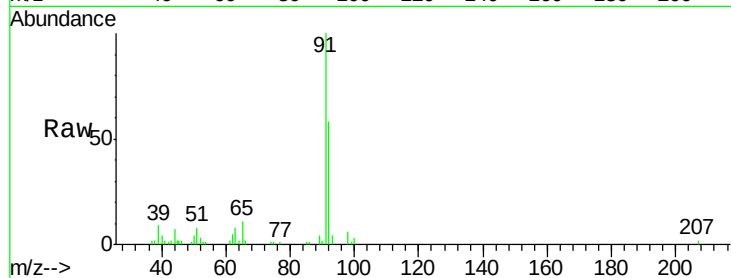
92 57.7 40.7 75.7

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 0.204 ug/L m

RT: 9.02 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VX019178.D

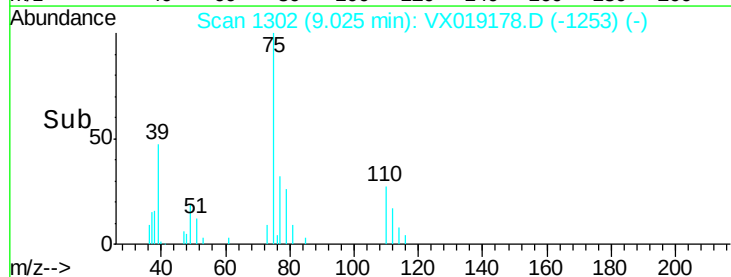
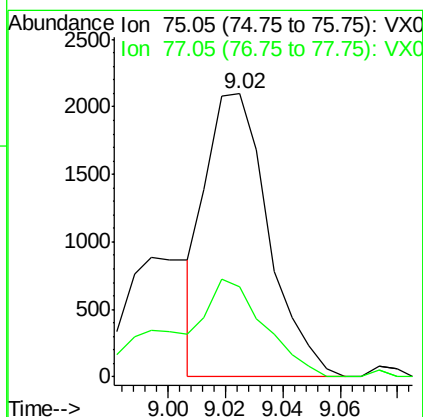
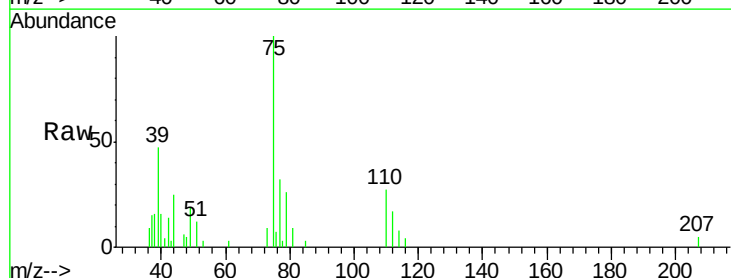
Acq: 28 Oct 2020 21:41

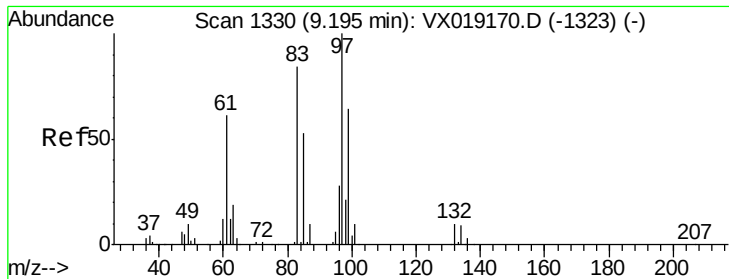
Tgt Ion: 75 Resp: 3203

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3





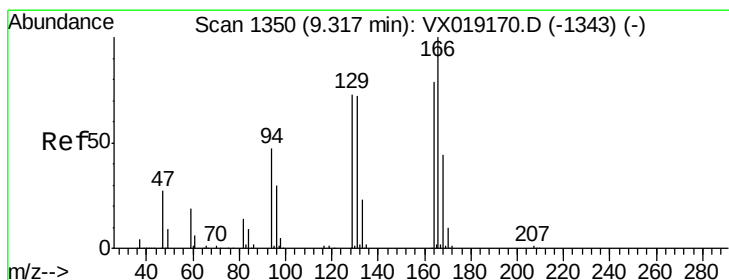
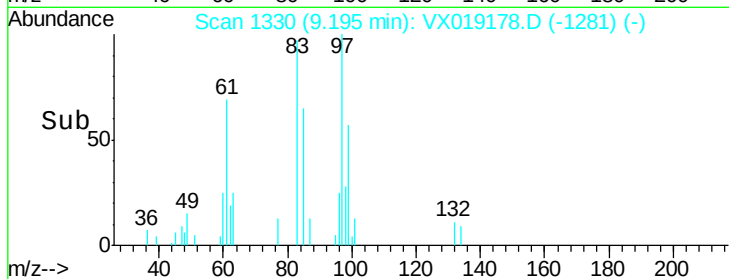
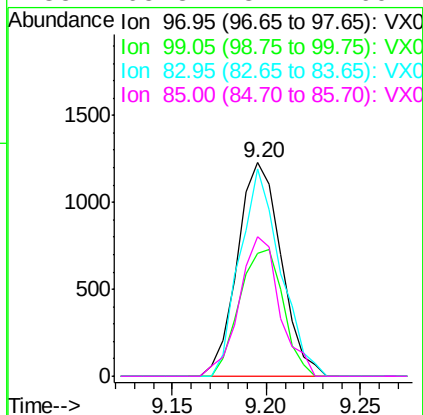
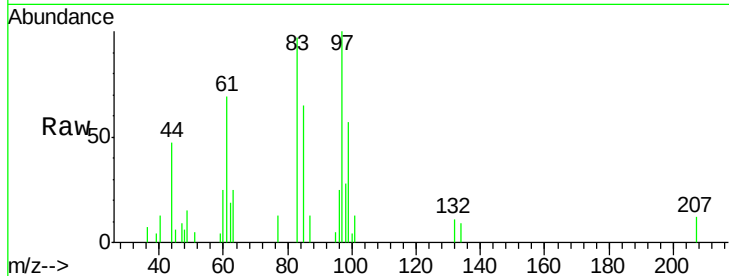
#45
 1,1,2-Trichloroethane
 Concen: 0.222 ug/L
 RT: 9.20 min Scan# 1330
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion:	97	Resp:	1976
Ion	Ratio	Lower	Upper
97	100		
99	57.4	44.8	83.2
83	96.9	59.1	109.7
85	65.3	37.4	69.4

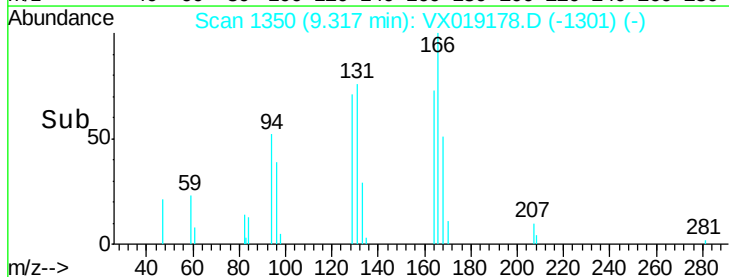
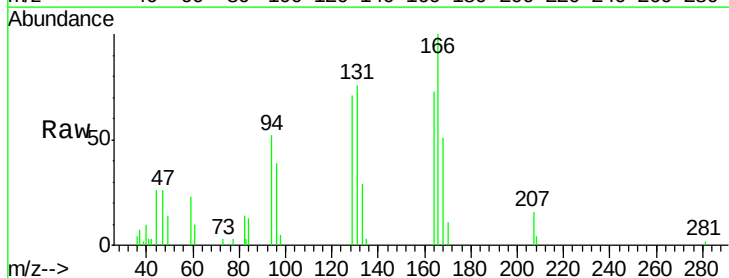
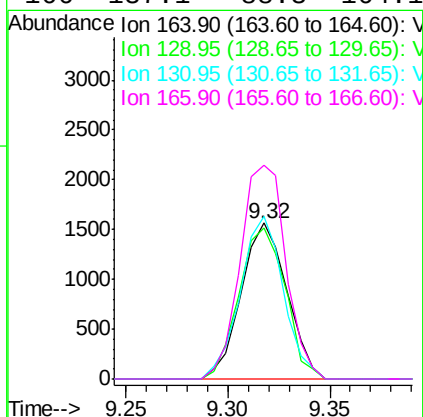
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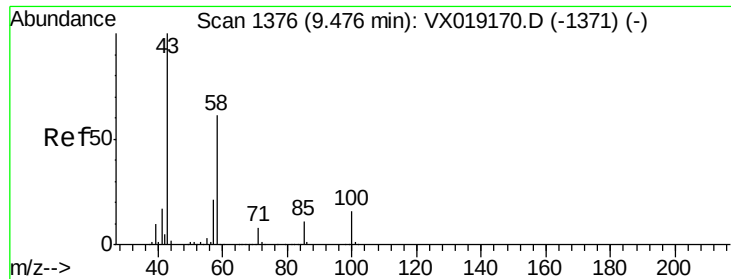
MMDadoda
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#47
 Tetrachloroethene
 Concen: 0.225 ug/L
 RT: 9.32 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:	164	Resp:	2439
Ion	Ratio	Lower	Upper
164	100		
129	97.3	64.2	119.2
131	104.7	63.8	118.4
166	137.1	88.3	164.1





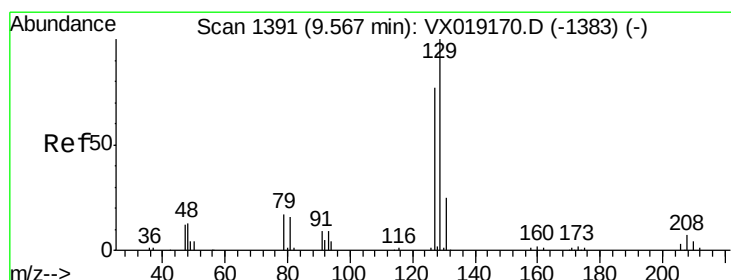
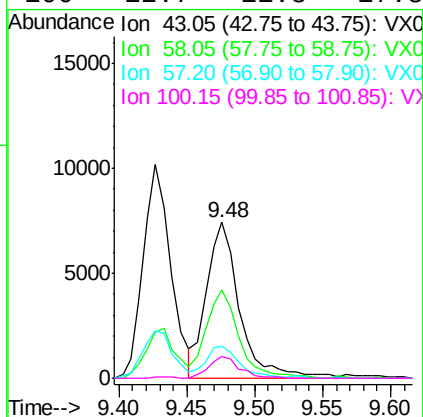
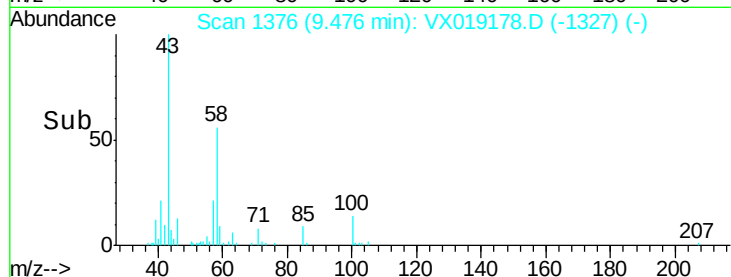
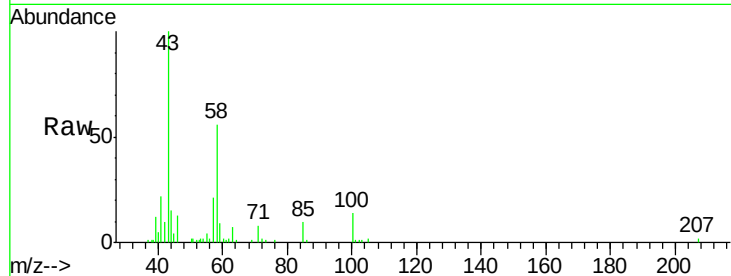
#48
2-Hexanone
Concen: 2.757 ug/L
RT: 9.48 min Scan# 1376
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	55.5	49.3	73.9	
57	21.7	17.2	25.8	
100	12.7	11.8	17.8	

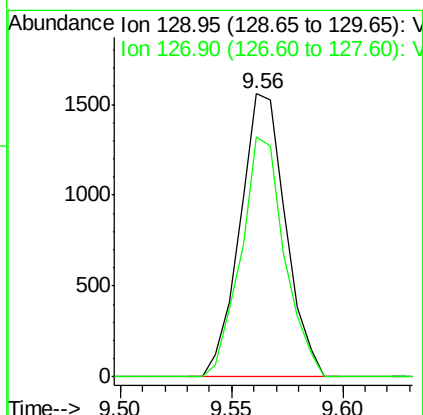
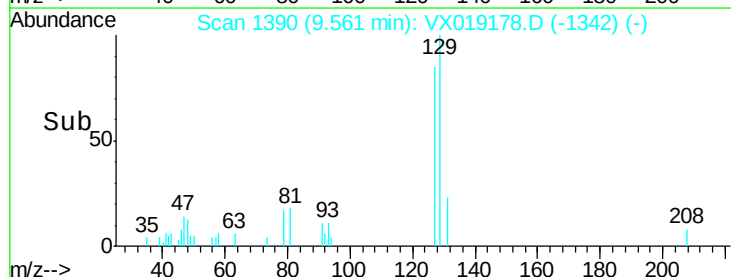
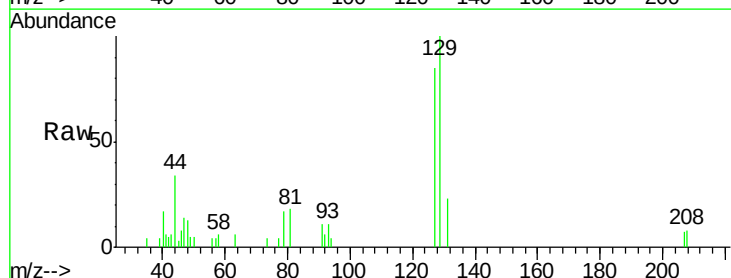
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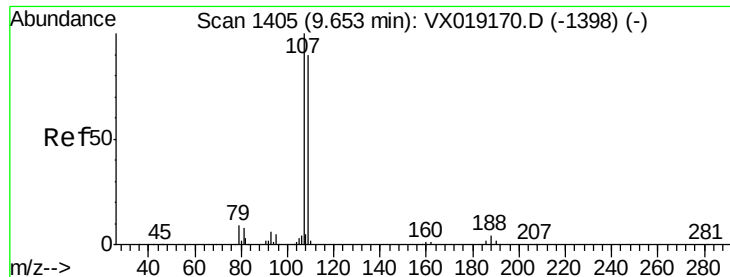
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#49
Dibromochloromethane
Concen: 0.216 ug/L
RT: 9.56 min Scan# 1390
Delta R.T. -0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	84.5	53.6	99.6	





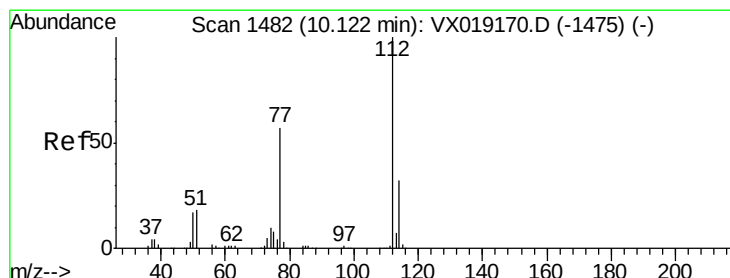
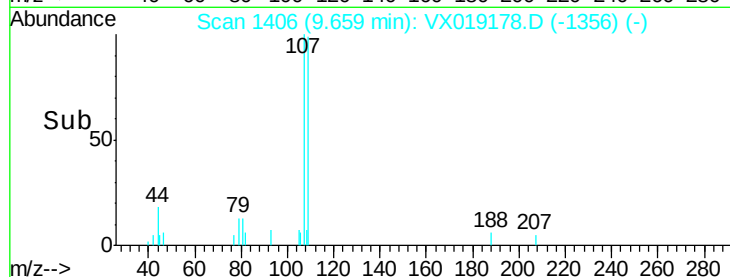
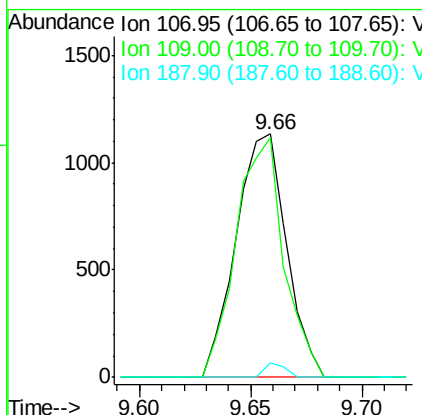
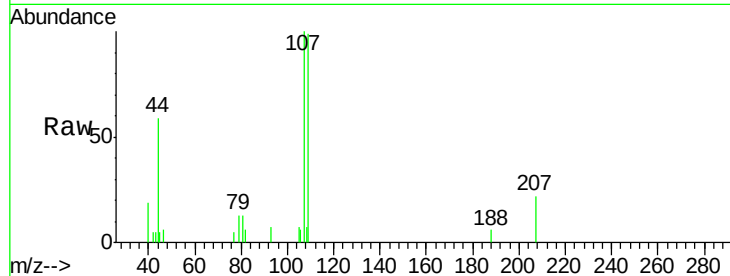
#50
1,2-Dibromoethane
Concen: 0.216 ug/L
RT: 9.66 min Scan# 1406
Delta R.T. 0.01 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.5	62.9	116.9
188	5.9	3.0	4.4#

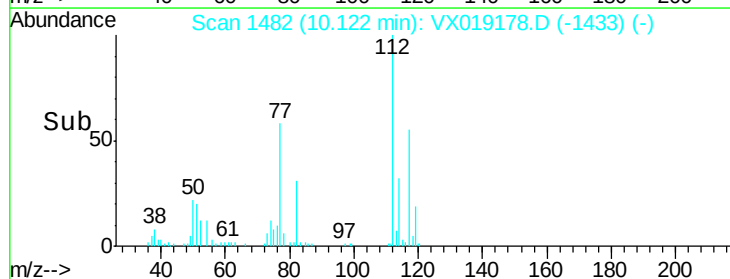
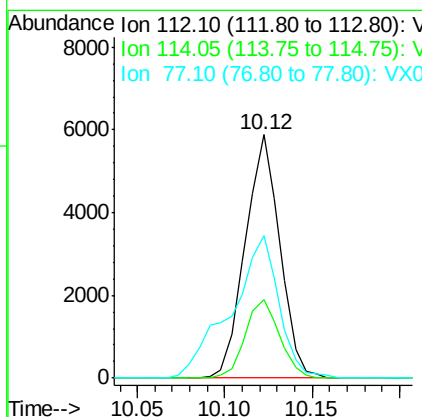
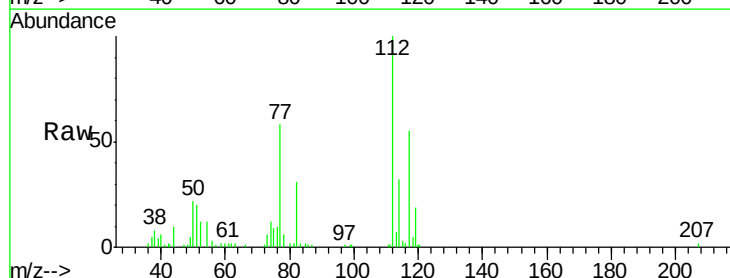
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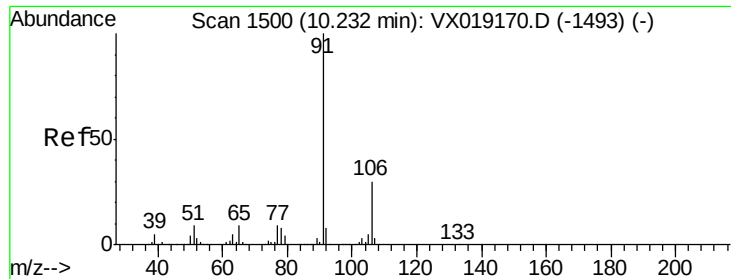
MMDadoda
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#51
Chlorobenzene
Concen: 0.229 ug/L
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.5	41.9
77	58.5	46.2	69.2





#52

Ethylbenzene

Concen: 0.229 ug/L

RT: 10.23 min Scan# 1500

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion: 91 Resp: 14331

Ion Ratio Lower Upper

91 100

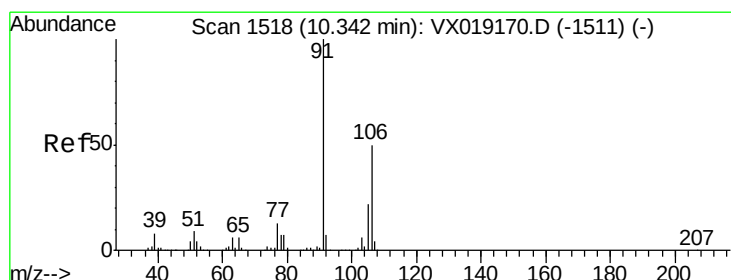
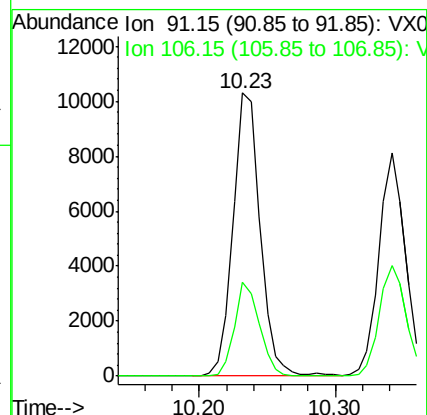
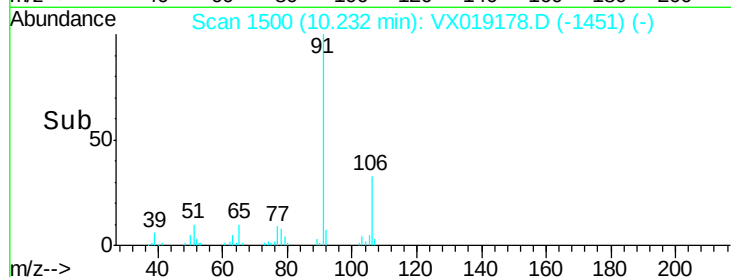
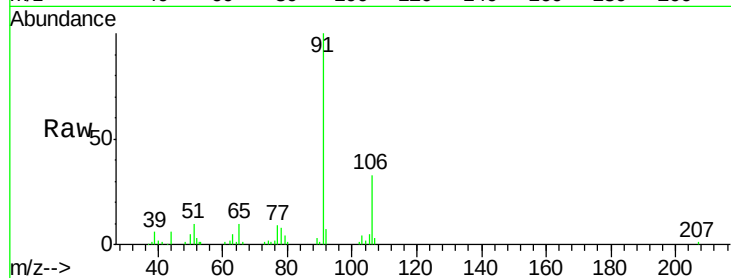
106 33.1 21.1 39.1

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#53

m,p-xylene

Concen: 0.234 ug/L

RT: 10.34 min Scan# 1518

Delta R.T. -0.00 min

Lab File: VX019178.D

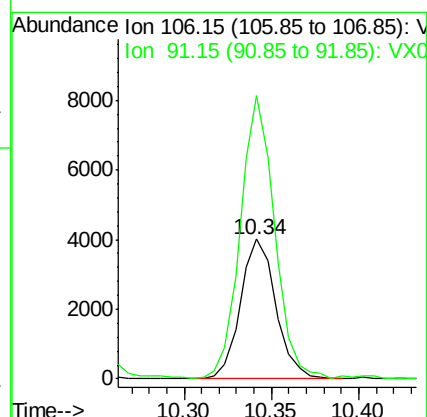
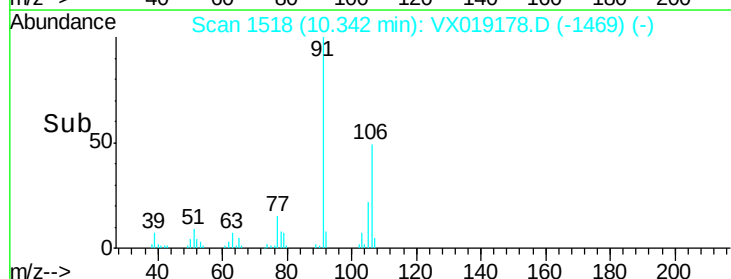
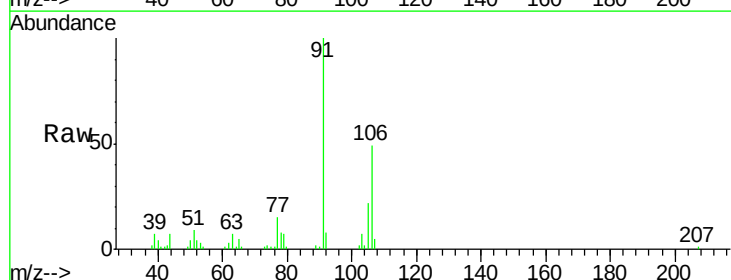
Acq: 28 Oct 2020 21:41

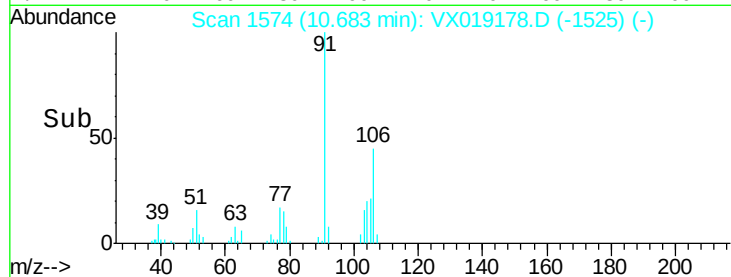
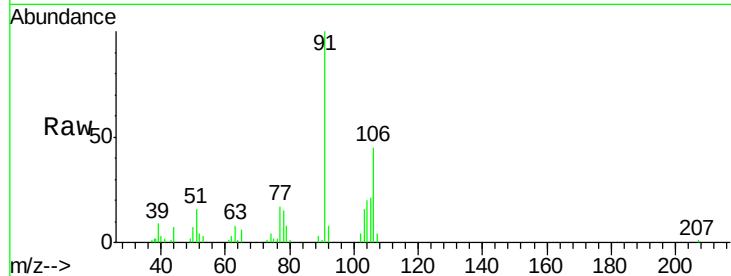
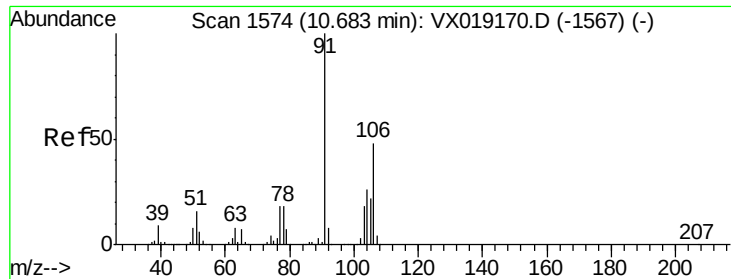
Tgt Ion: 106 Resp: 5621

Ion Ratio Lower Upper

106 100

91 202.8 141.5 262.7





#54

o-xylene

Concen: 0.219 ug/L

RT: 10.68 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Tot Ion:106 Resp: 5037

Ion Ratio Lower Upper

106 100

91 224.6 145.9 271.1

Instrument :

MSVOA_X

ClientSampleId :

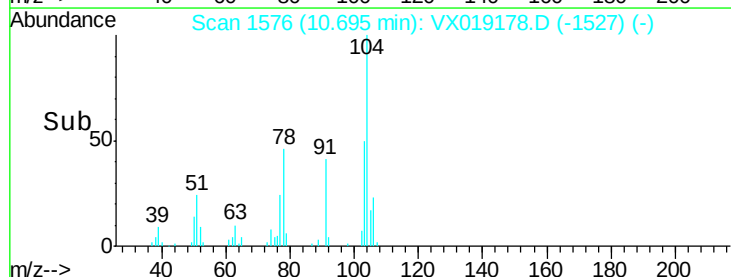
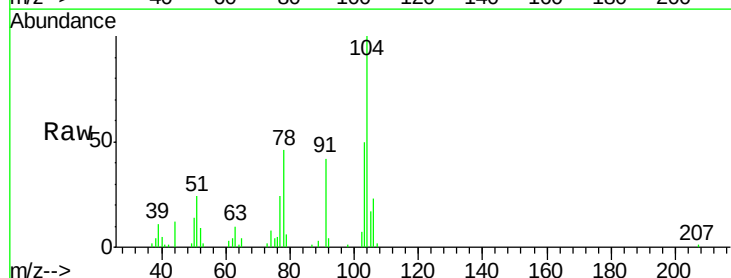
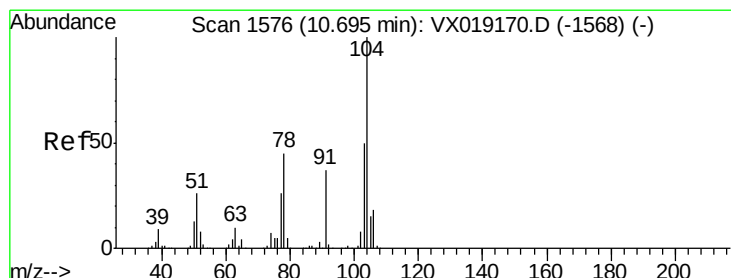
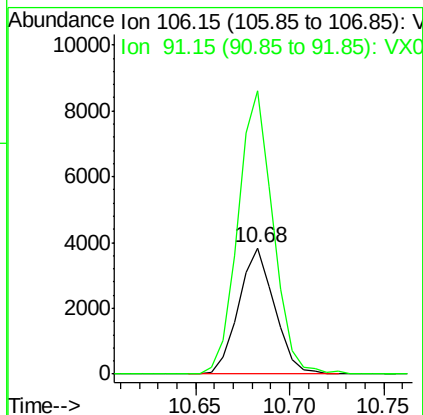
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#55

Styrene

Concen: 0.203 ug/L

RT: 10.70 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VX019178.D

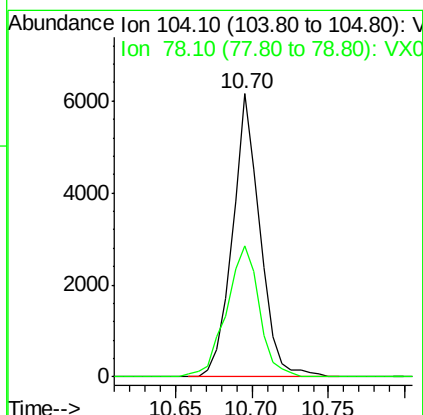
Acq: 28 Oct 2020 21:41

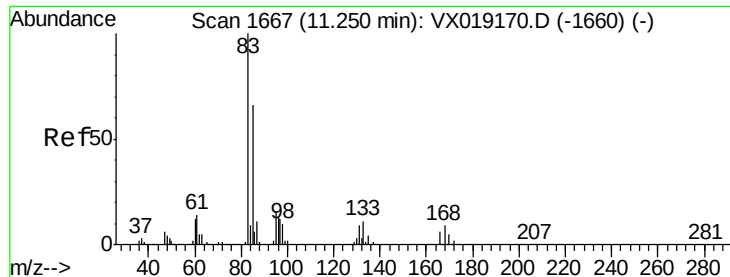
Tgt Ion:104 Resp: 7643

Ion Ratio Lower Upper

104 100

78 46.2 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.258 ug/L

RT: 11.26 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

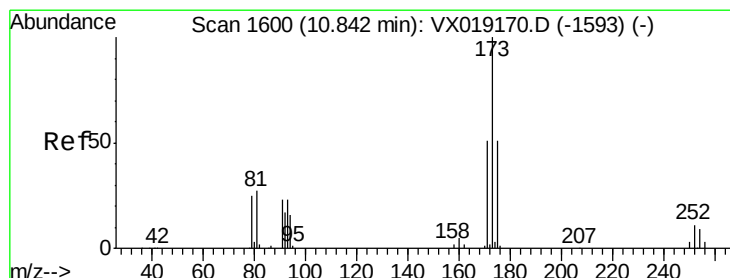
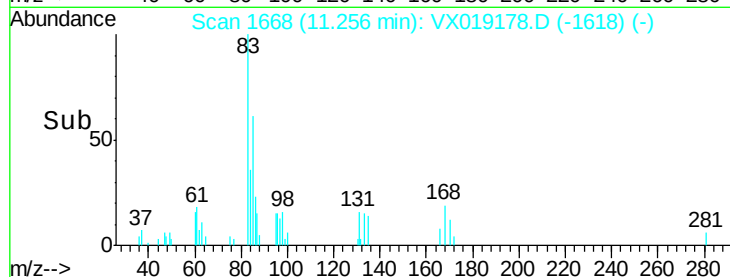
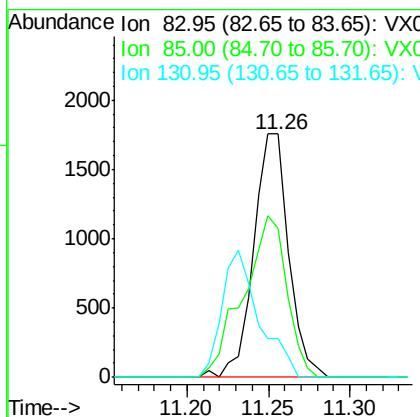
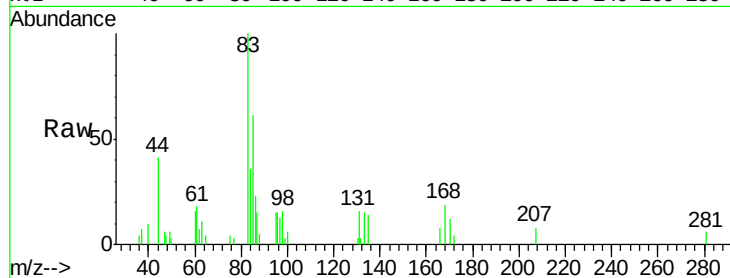
ClientSampleId :

MDL-WATER-03

Tot Ion:	83	Resp:	2625
Ion Ratio	Lower	Upper	
83	100		
85	61.0	46.0	85.4
131	16.1	7.7	11.5#

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#59

Bromoform

Concen: 0.214 ug/L

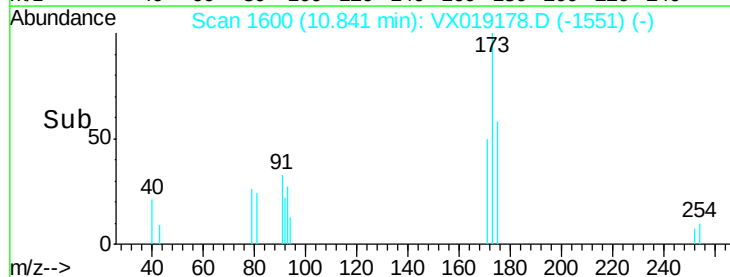
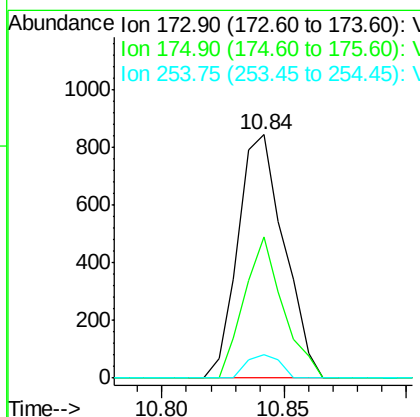
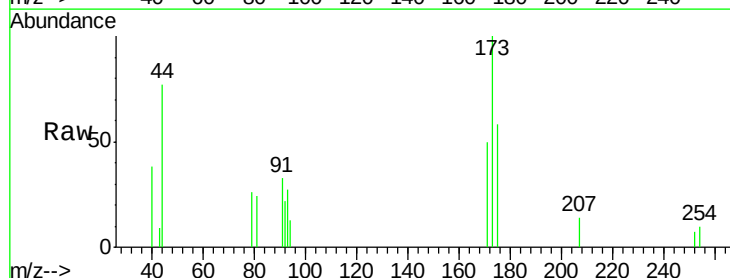
RT: 10.84 min Scan# 1600

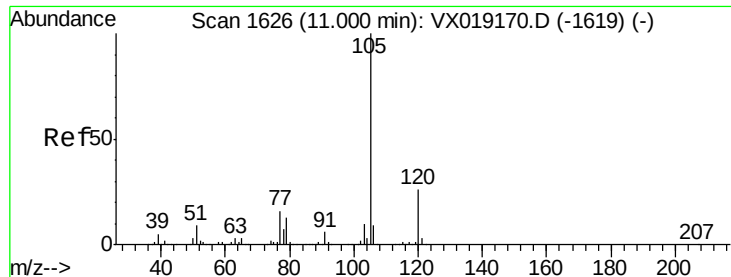
Delta R.T. -0.00 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Tgt Ion:	173	Resp:	1104
Ion Ratio	Lower	Upper	
173	100		
175	49.1	38.6	57.8
254	7.0	7.4	11.0#





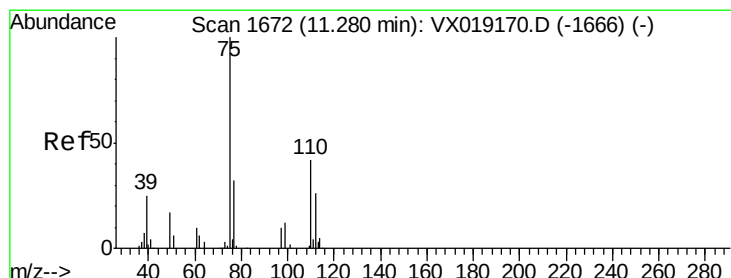
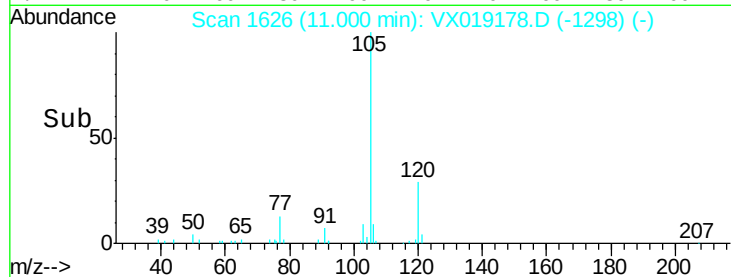
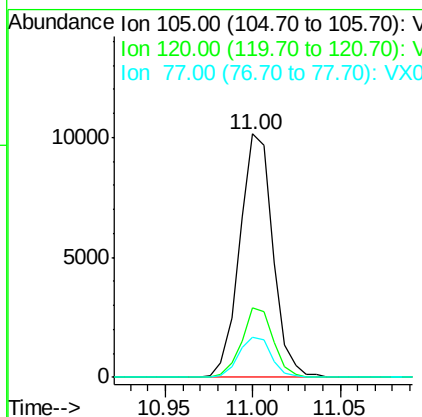
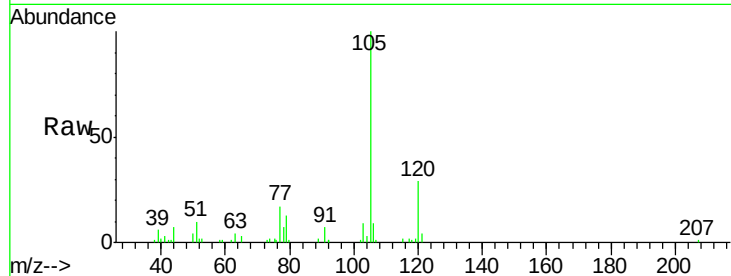
#60
Isopropylbenzene
Concen: 0.232 ug/L
RT: 11.00 min Scan# 1626
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	21.4	32.2
77	16.2	12.9	19.3

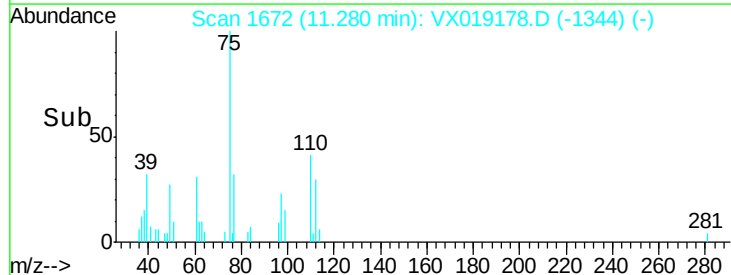
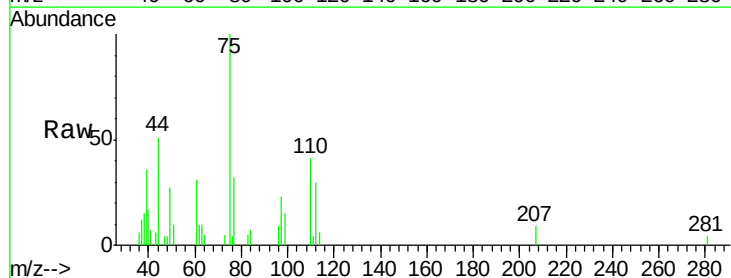
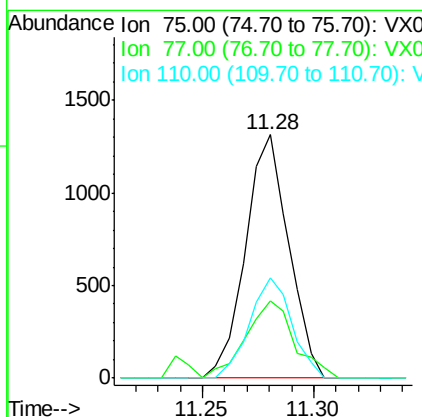
Manual Integrations
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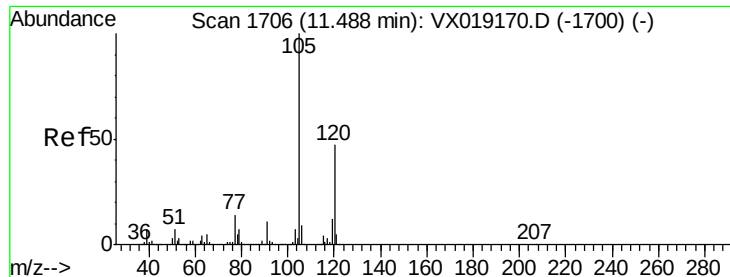
MMDadoda
10/29/2020 11:04:37 AM



#61
1,2,3-Trichloropropane
Concen: 0.252 ug/L
RT: 11.28 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.9	25.6	38.4
110	40.5	32.4	48.6





#62

1,3,5-Trimethylbenzene

Concen: 0.228 ug/L

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX019178.D

Acq: 28 Oct 2020 21:41

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03

Tot Ion:105 Resp: 10986

Ion Ratio Lower Upper

105 100

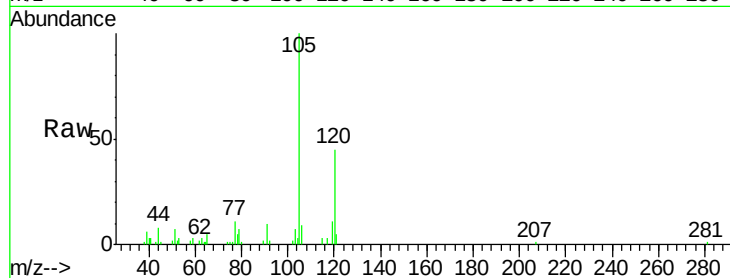
120 48.5 38.9 58.3

Manual Integrations

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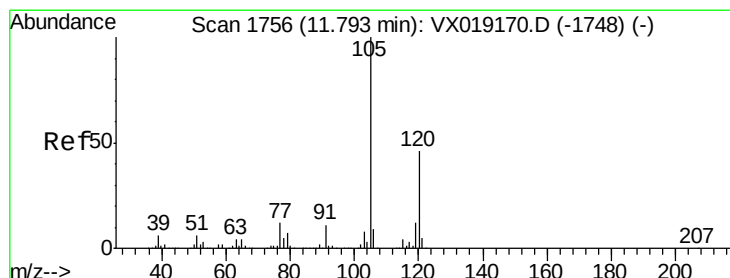
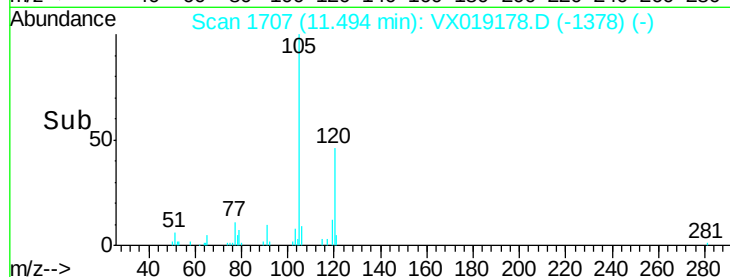
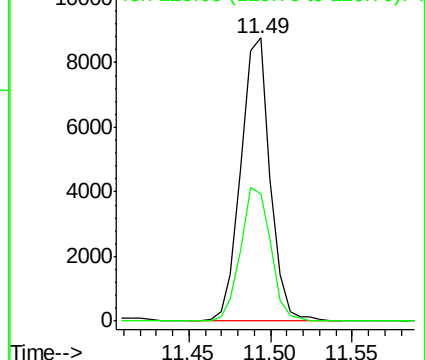
MMDadoda

10/29/2020 11:04:37 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.223 ug/L

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX019178.D

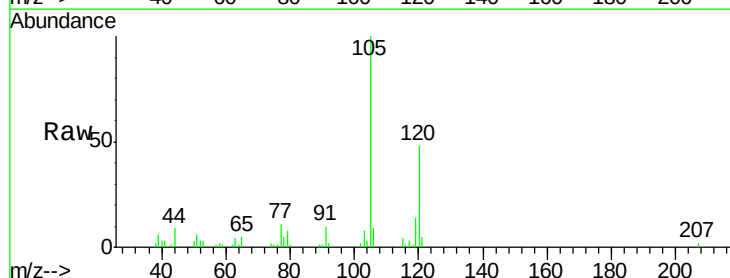
Acq: 28 Oct 2020 21:41

Tgt Ion:105 Resp: 10921

Ion Ratio Lower Upper

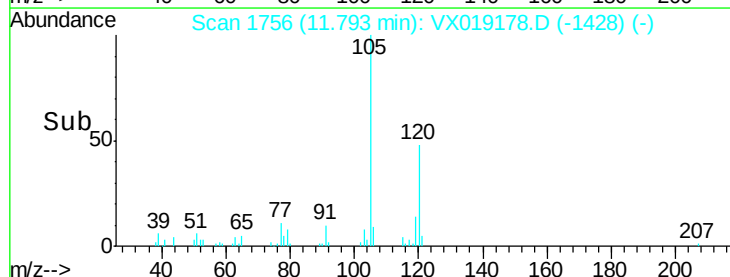
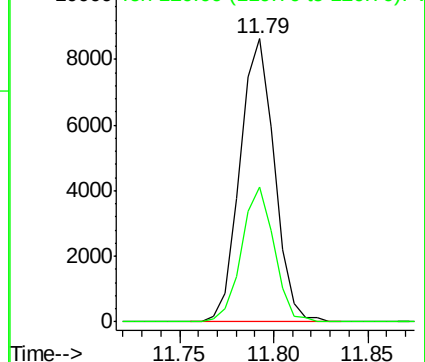
105 100

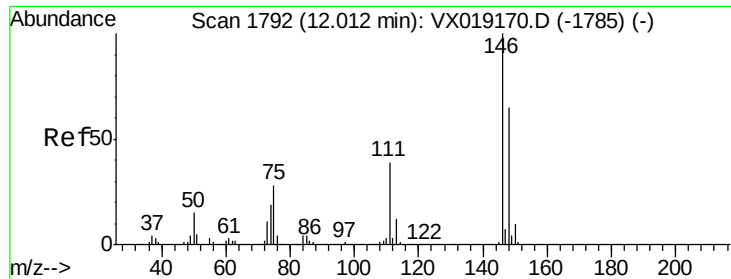
120 45.1 36.1 54.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





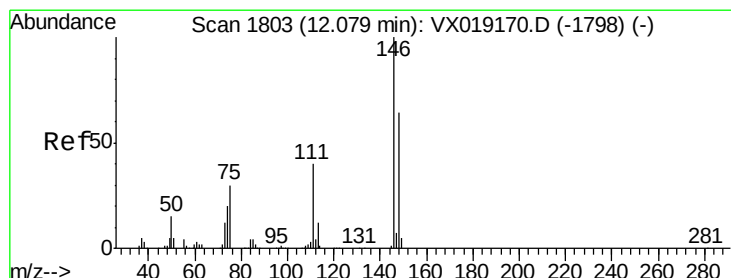
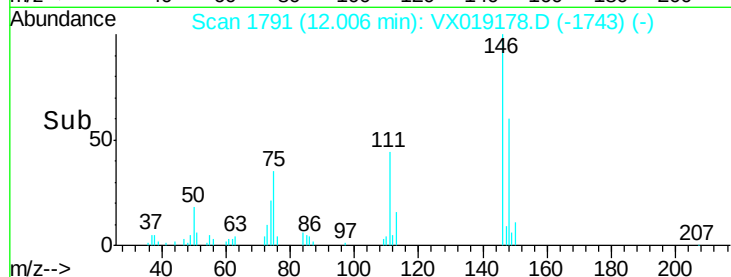
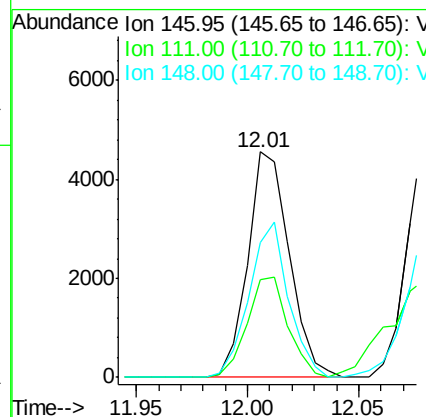
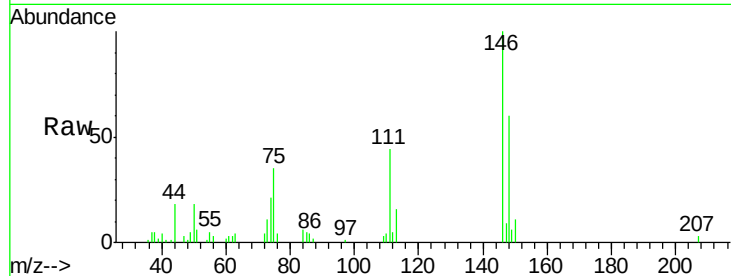
#64
 1,3-Dichlorobenzene
 Concen: 0.232 ug/L
 RT: 12.01 min Scan# 1791
 Delta R.T. -0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	27.3	50.7
148	60.2	45.4	84.2

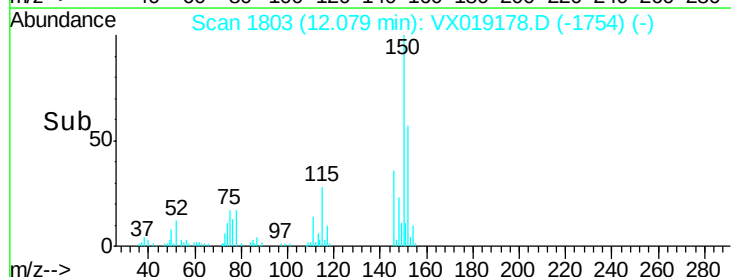
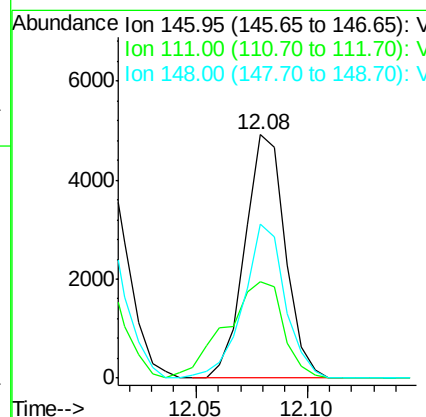
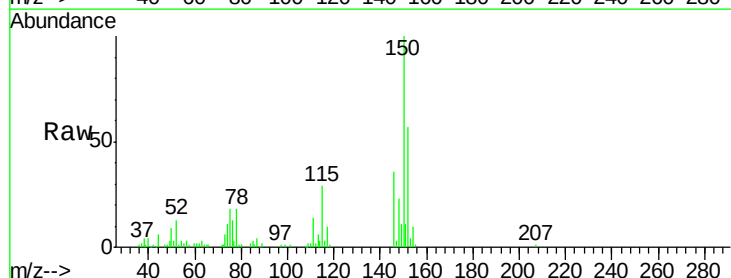
Manual Integrations
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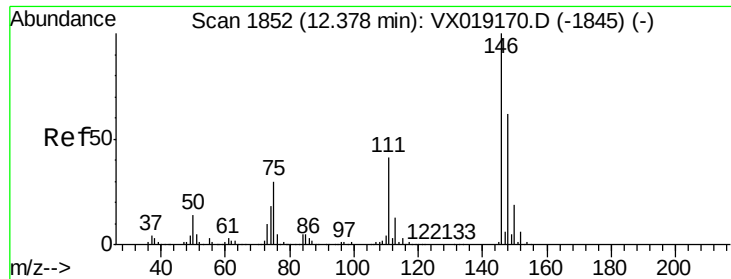
MMDadoda
 10/29/2020 11:04:37 AM



#65
 1,4-Dichlorobenzene
 Concen: 0.243 ug/L
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	28.1	52.3
148	63.1	44.5	82.7





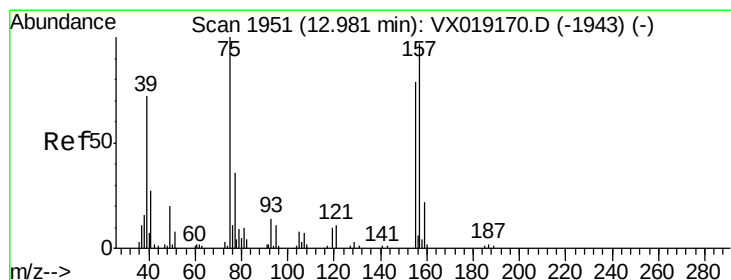
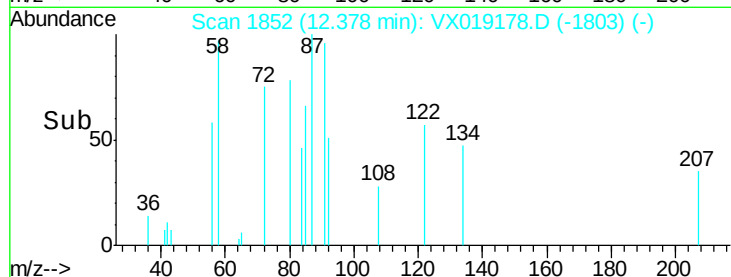
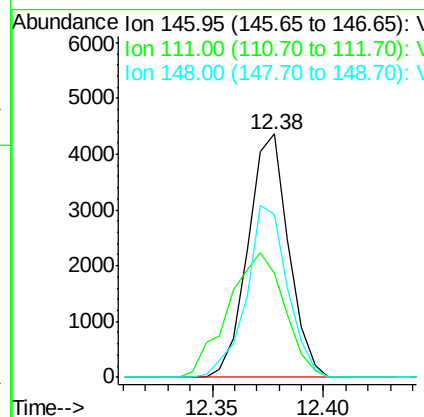
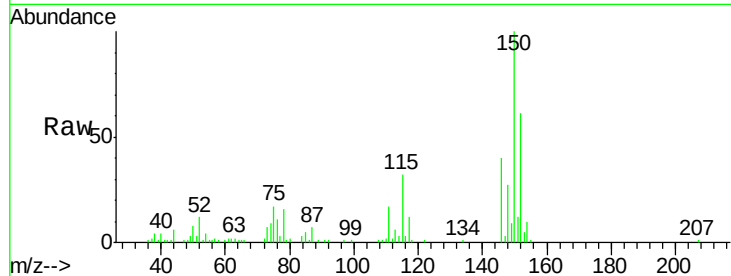
#67
 1,2-Dichlorobenzene
 Concen: 0.235 ug/L
 RT: 12.38 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.5	32.6	49.0
148	67.1	49.4	74.2

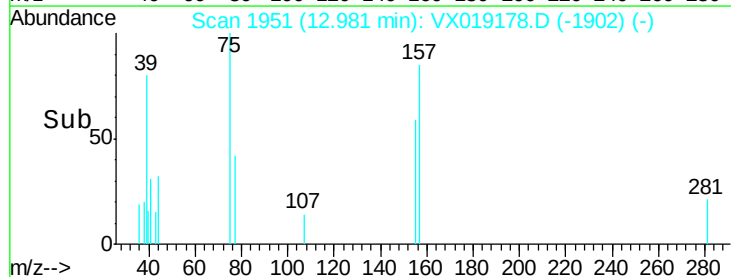
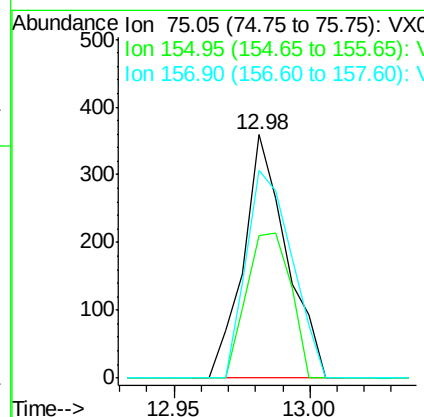
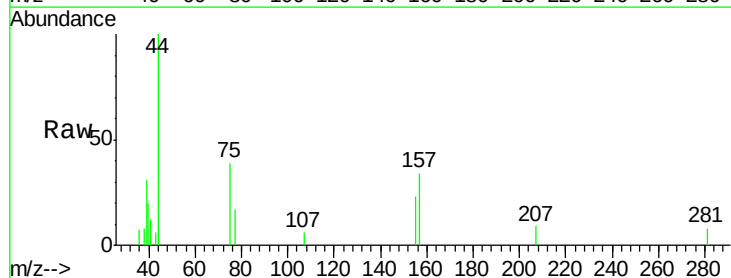
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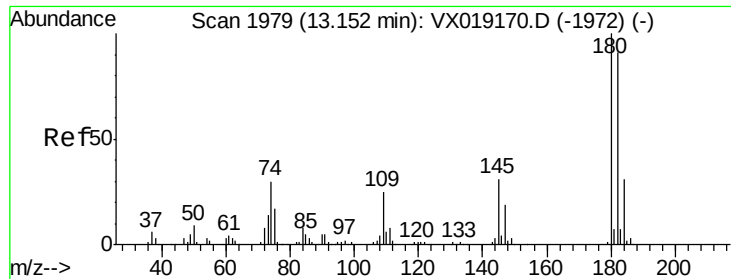
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#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.245 ug/L
 RT: 12.98 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	58.8	62.9	94.3#
157	85.2	77.5	116.3





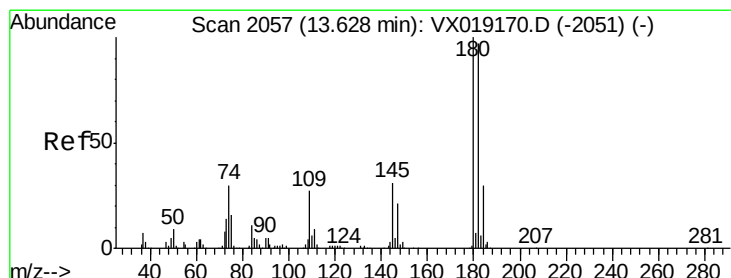
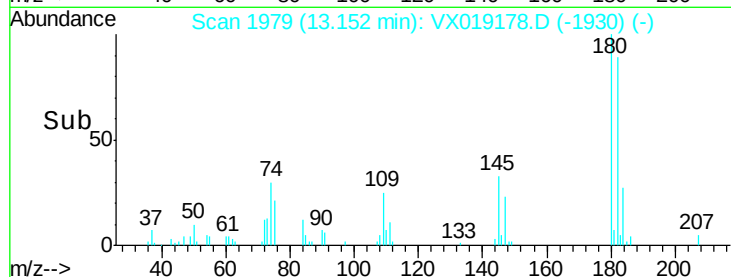
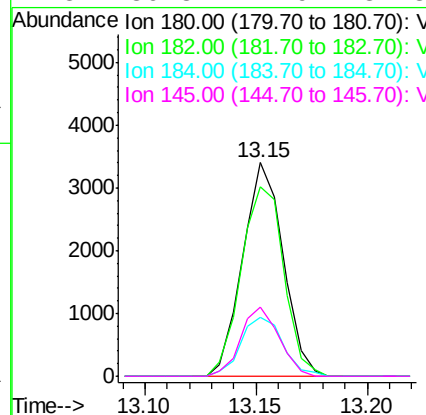
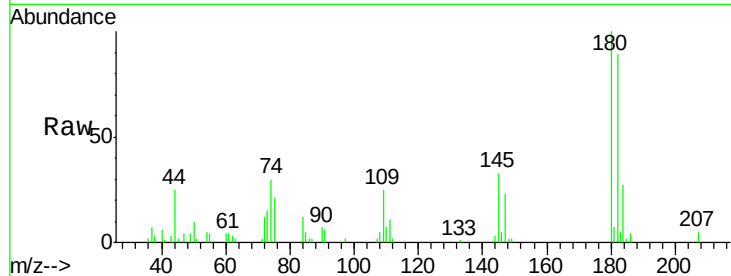
#69
 1,3,5-Trichlorobenzene
 Concen: 0.230 ug/L
 RT: 13.15 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03

Tot Ion:	180	Resp:	4317
Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.1	111.1
184	29.0	24.4	36.6
145	30.8	24.9	37.3

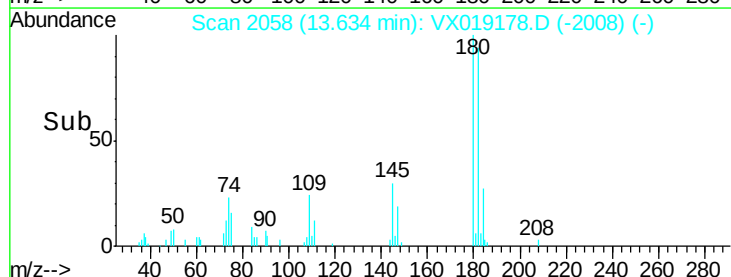
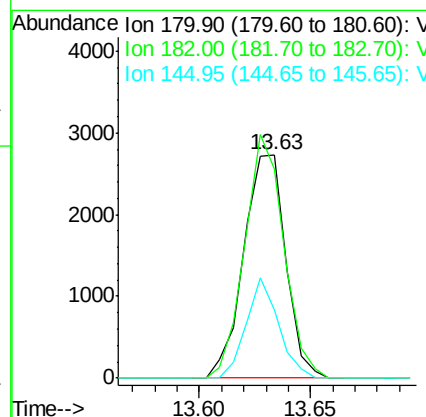
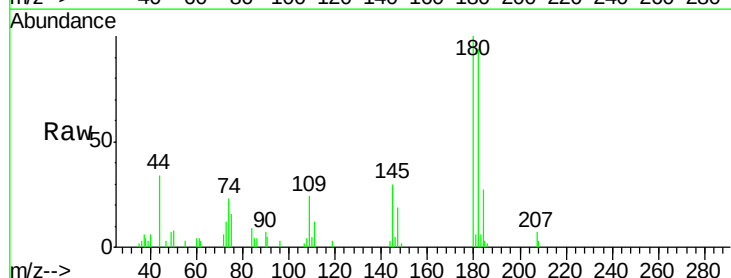
Manual Integrations
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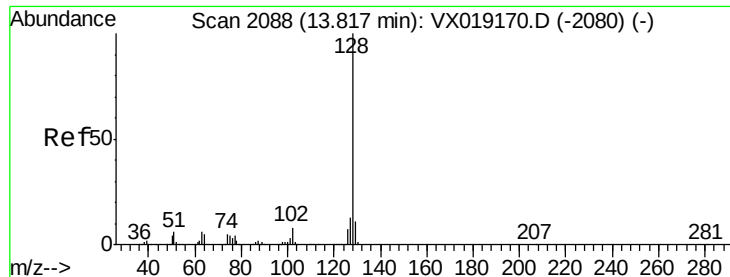
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 10/29/2020 11:04:37 AM



#70
 1,2,4-trichlorobenzene
 Concen: 0.220 ug/L
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX019178.D
 Acq: 28 Oct 2020 21:41

Tgt Ion:	180	Resp:	3609
Ion	Ratio	Lower	Upper
180	100		
182	101.5	77.8	116.6
145	34.4	25.0	37.4





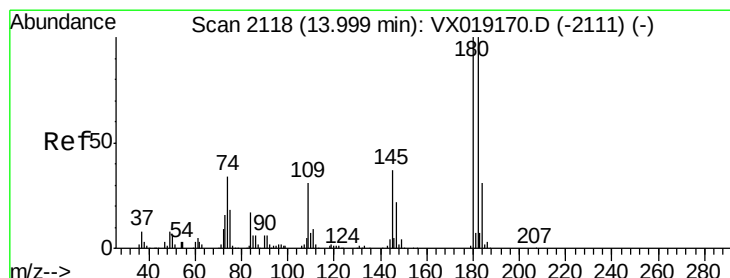
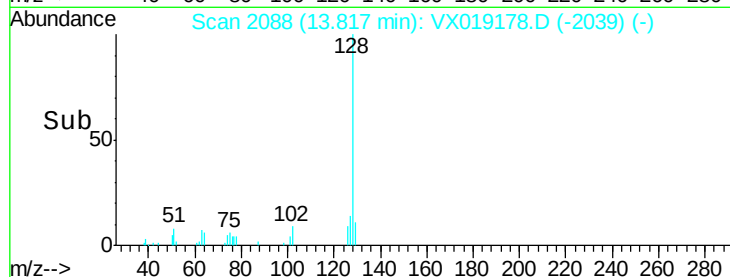
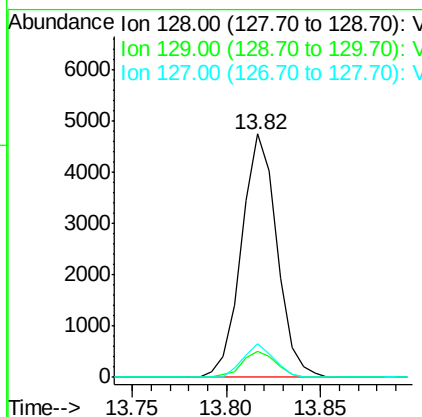
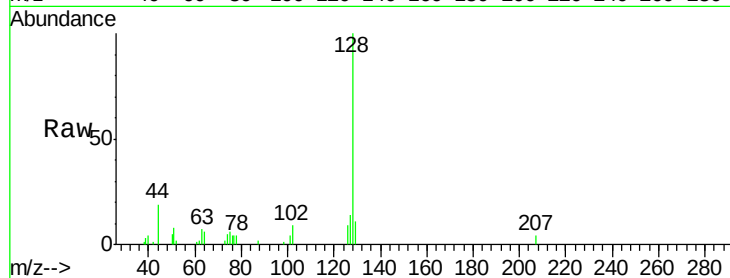
#71
Naphthalene
Concen: 0.210 ug/L
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.2	8.6	13.0
127	11.9	10.1	15.1

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#72
1,2,3-Trichlorobenzene
Concen: 0.240 ug/L
RT: 14.00 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VX019178.D
Acq: 28 Oct 2020 21:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.2	77.0	115.4
145	33.0	27.8	41.6

