

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023235.D
 Acq On : 12 Jul 2021 12:28
 Operator : JC/MD
 Sample : M2940-09 .2PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2021DL

Manual Integrations
 APPROVED

MMDadoda
 7/13/2021 6:53:49 PM

Quant Time: Jul 13 03:05:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 13 03:05:00 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	273725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	428018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176346	47.935	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.860%		
35) Dibromofluoromethane	5.391	113	131931	47.733	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.460%		
50) Toluene-d8	8.653	98	482316	46.780	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.560%		
62) 4-Bromofluorobenzene	11.085	95	177758	44.659	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.320%		
Target Compounds					Qvalue	
3) Chloromethane	1.300	50	612	0.249	ug/l	97
4) Vinyl Chloride	1.374	62	586	0.225	ug/l	89
5) Bromomethane	1.605	94	1212	0.834	ug/l #	74
6) Chloroethane	1.678	64	427	0.251	ug/l #	82
8) Diethyl Ether	2.136	74	405	0.243	ug/l	64
9) 1,1,2-Trichlorotrifluo...	2.331	101	757	0.286	ug/l	95
10) Methyl Iodide	2.453	142	746	0.230	ug/l #	77
11) Tert butyl alcohol	2.959	59	2484	3.210	ug/l #	90
12) 1,1-Dichloroethene	2.319	96	514	0.211	ug/l #	57
13) Acrolein	2.245	56	909	1.764	ug/l #	37
14) Allyl chloride	2.666	41	1593	0.376	ug/l #	82
15) Acrylonitrile	3.075	53	1636	1.087	ug/l	93
16) Acetone	2.386	43	2198	1.510	ug/l	96
17) Carbon Disulfide	2.514	76	1332	0.259	ug/l #	91
18) Methyl Acetate	2.715	43	1224	0.346	ug/l #	61
20) Methylene Chloride	2.794	84	2238	0.714	ug/l	95
23) Vinyl Acetate	3.733	43	6949	0.919	ug/l #	88
24) 1,1-Dichloroethane	3.611	63	1050	0.208	ug/l #	81
25) 2-Butanone	4.586	43	2917	1.329	ug/l #	86
26) 2,2-Dichloropropane	4.471	77	1029m	0.243	ug/l	
27) cis-1,2-Dichloroethene	4.471	96	639m	0.200	ug/l	
29) Tetrahydrofuran	5.038	42	1509	1.070	ug/l #	74
30) Chloroform	5.105	83	1405	0.258	ug/l	86
37) Ethyl Acetate	4.751	43	1163m	0.279	ug/l	
38) Carbon Tetrachloride	5.678	117	849m	0.213	ug/l	
39) Methylcyclohexane	7.385	83	956	0.214	ug/l #	70
40) Benzene	6.044	78	2322	0.210	ug/l	99
41) Methacrylonitrile	4.940	41	654m	0.281	ug/l	
42) 1,2-Dichloroethane	6.086	62	1181	0.265	ug/l #	73
43) Isopropyl Acetate	6.348	43	1753	0.253	ug/l #	69
44) Trichloroethene	7.141	130	1322	0.421	ug/l	83
46) Dibromomethane	7.592	93	416	0.201	ug/l #	67
47) Bromodichloromethane	7.824	83	869	0.230	ug/l #	70
48) Methyl methacrylate	7.696	41	785	0.231	ug/l #	76
49) 1,4-Dioxane	7.671	88	114	1.491	ug/l #	47
51) 4-Methyl-2-Pentanone	8.574	43	3978	0.927	ug/l	92

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071221\
 Data File : VX023235.D
 Acq On : 12 Jul 2021 12:28
 Operator : JC/MD
 Sample : M2940-09 .2PPB MDL
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2021DL

Manual Integrations
 APPROVED

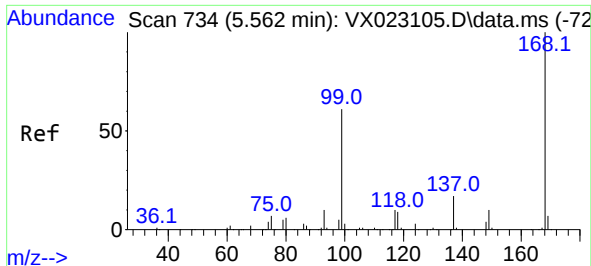
MMDadoda
 7/13/2021 6:53:49 PM

Quant Time: Jul 13 03:05:21 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 13 03:05:00 2021
 Response via : Initial Calibration

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

58) 2-Chloroethyl Vinyl ether	8.250	63	5717	2.513	ug/l	100
59) 2-Hexanone	9.433	43	2786	0.846	ug/l	92
64) Tetrachloroethene	9.275	164	706	0.231	ug/l #	84
65) Chlorobenzene	10.085	112	1560	0.206	ug/l	98
68) m/p-Xylenes	10.311	106	1703	0.333	ug/l	84
73) Isopropylbenzene	10.963	105	2425	0.201	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.219	83	818	0.214	ug/l	92
76) 1,2,3-Trichloropropane	11.244	75	780m	0.227	ug/l	
78) n-propylbenzene	11.305	91	2806	0.202	ug/l	98
79) 2-Chlorotoluene	11.366	91	1934	0.225	ug/l	97
82) 4-Chlorotoluene	11.457	91	1990	0.205	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	2080	0.203	ug/l	96
87) 1,3-Dichlorobenzene	11.975	146	1163	0.206	ug/l	97
88) 1,4-Dichlorobenzene	12.049	146	1408m	0.248	ug/l	
91) 1,2-Dichlorobenzene	12.335	146	1222	0.218	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	693	0.200	ug/l	83

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



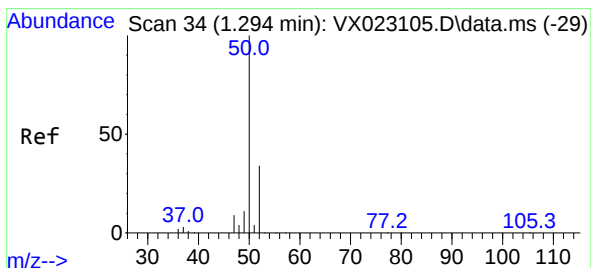
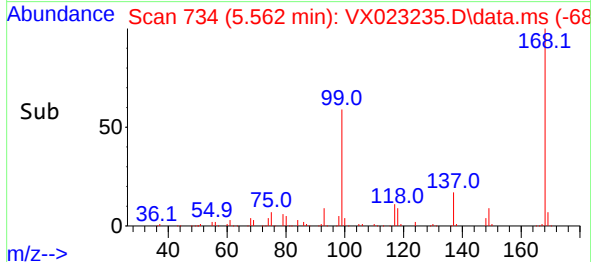
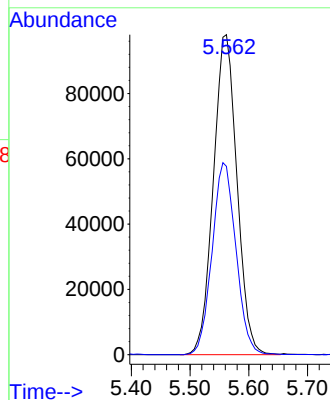
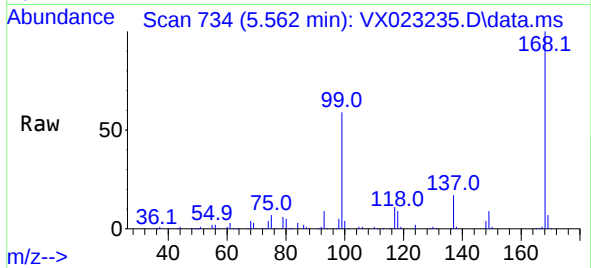
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 168 Resp: 273725
Ion Ratio Lower Upper
168 100
99 58.8 45.8 68.6

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

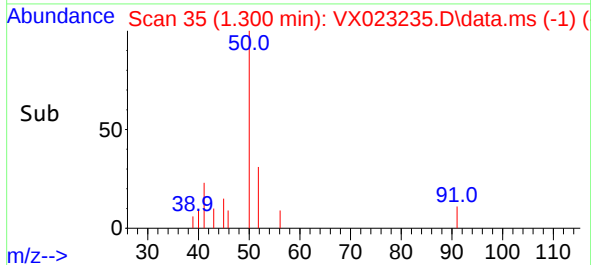
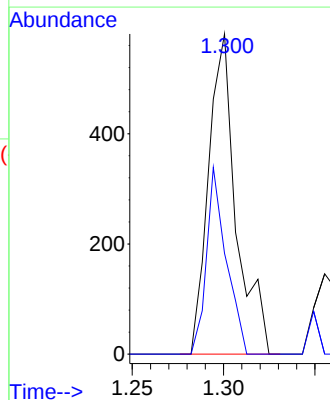
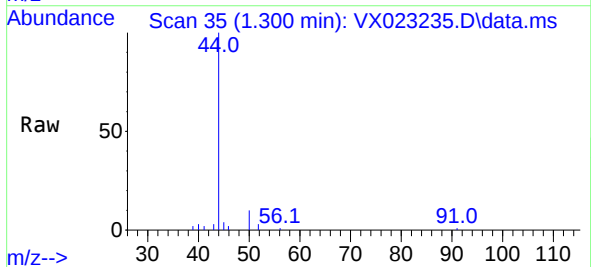
Manual Integrations
APPROVED

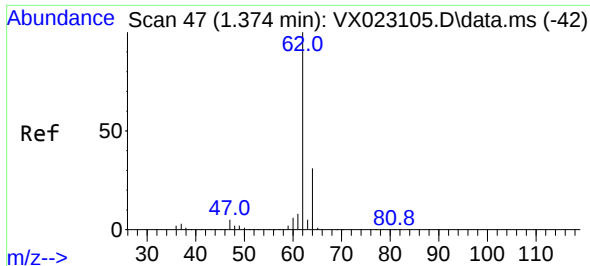
MMDadoda
7/13/2021 6:53:49 PM



#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 50 Resp: 612
Ion Ratio Lower Upper
50 100
52 31.5 26.4 39.6





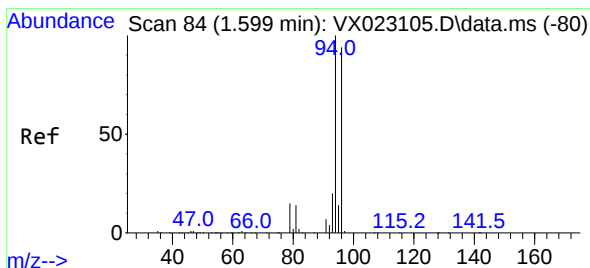
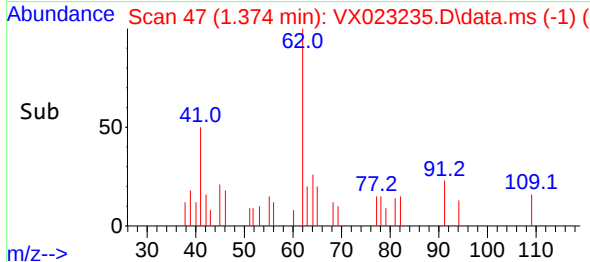
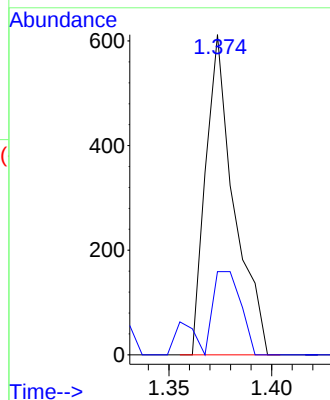
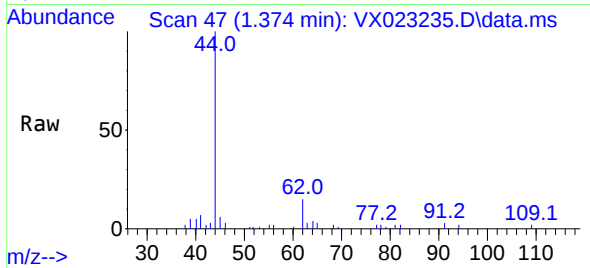
#4
Vinyl Chloride
Concen: 0.225 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 62 Resp: 586
Ion Ratio Lower Upper
62 100
64 26.0 25.7 38.5

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

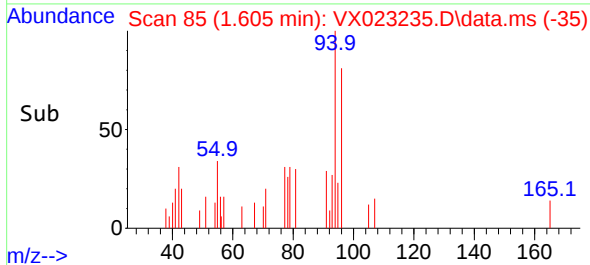
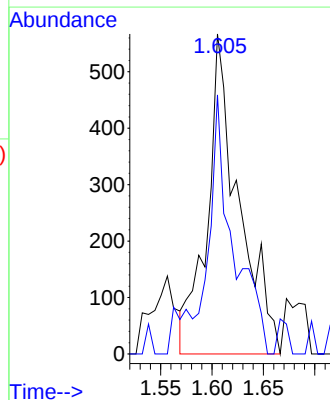
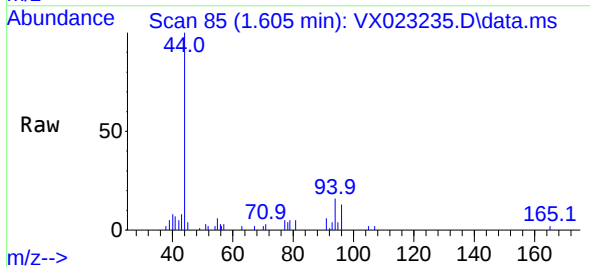
Manual Integrations
APPROVED

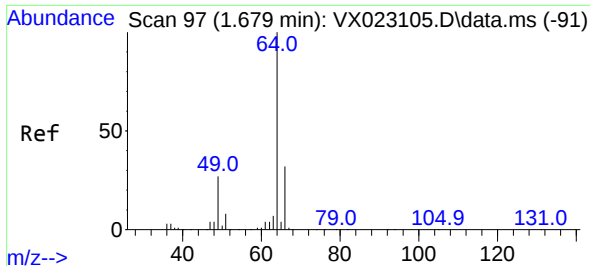
MMDadoda
7/13/2021 6:53:49 PM



#5
Bromomethane
Concen: 0.834 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 94 Resp: 1212
Ion Ratio Lower Upper
94 100
96 70.2 76.4 114.6#





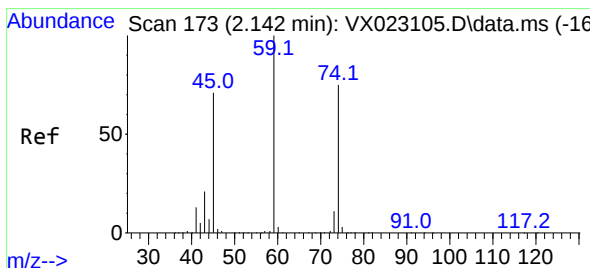
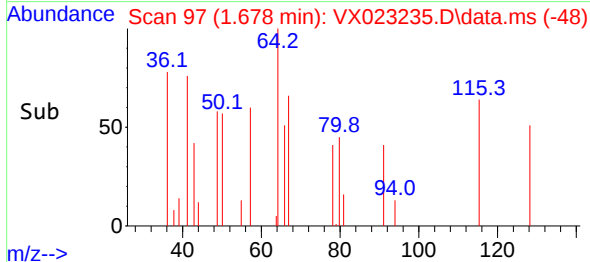
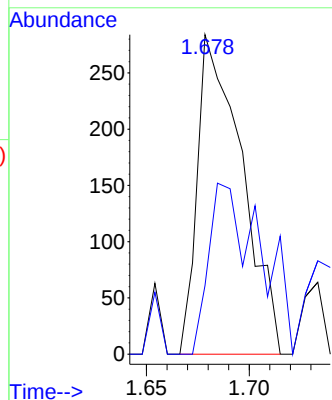
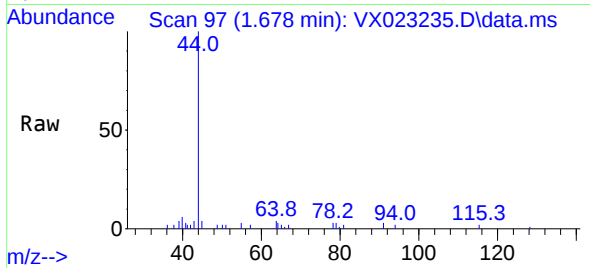
#6
Chloroethane
Concen: 0.251 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 21.5 25.4 38.0#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

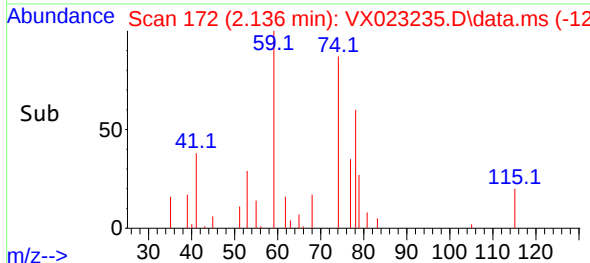
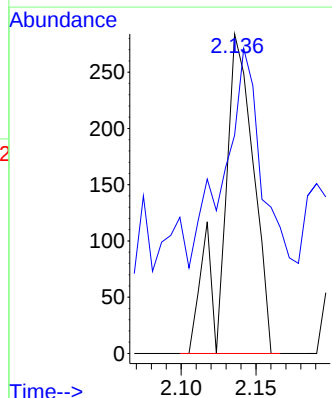
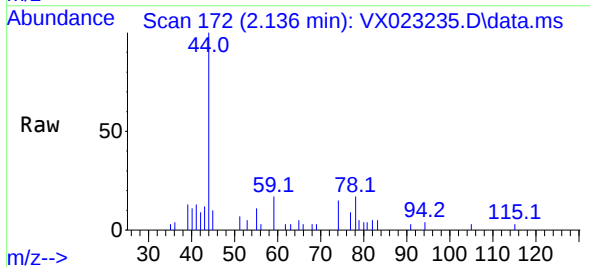
Manual Integrations
APPROVED

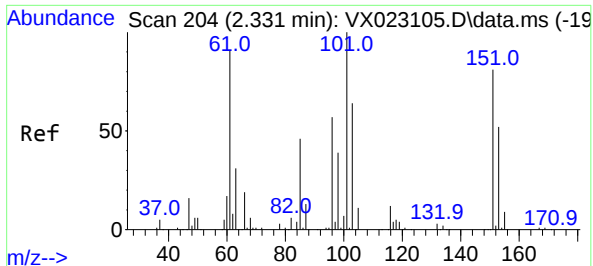
MMDadoda
7/13/2021 6:53:49 PM



#8
Diethyl Ether
Concen: 0.243 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 74 Resp: 405
Ion Ratio Lower Upper
74 100
45 122.5 44.5 133.5





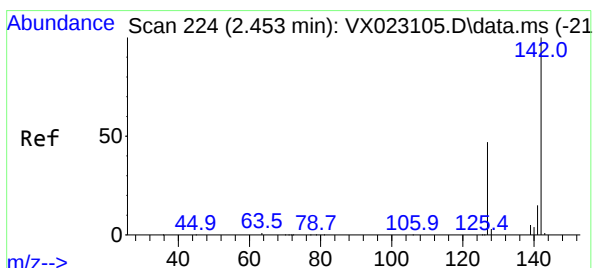
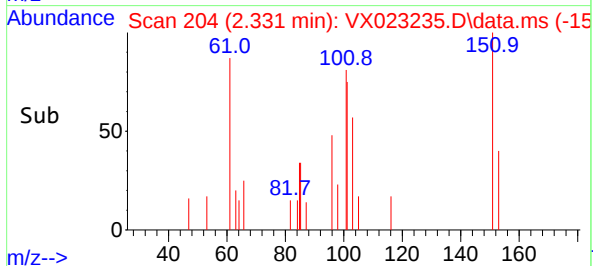
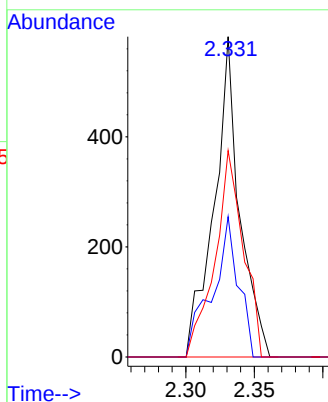
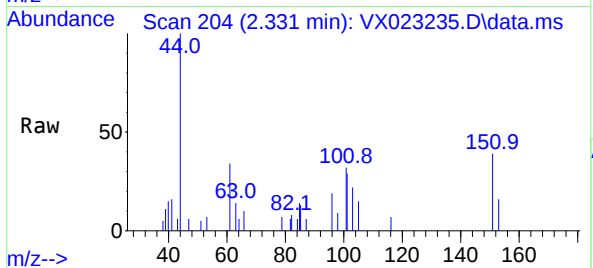
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.286 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:	101	Resp:	757
Ion	Ratio	Lower	Upper
101	100		
85	44.6	34.9	52.3
151	71.2	61.4	92.2

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

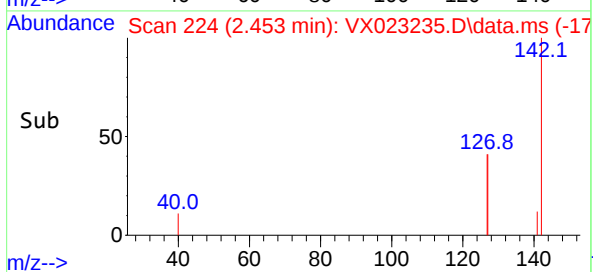
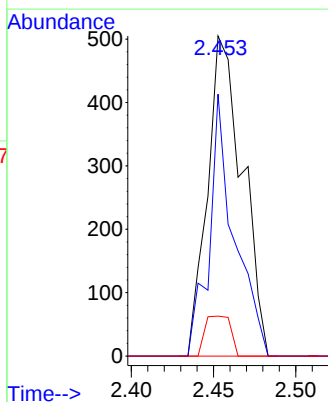
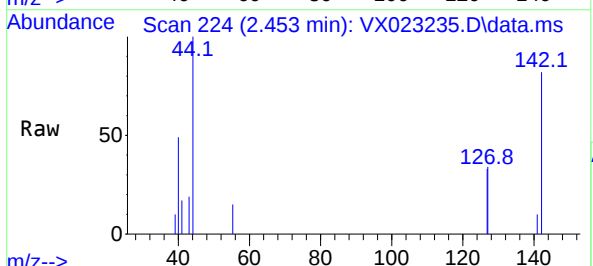
Manual Integrations
APPROVED

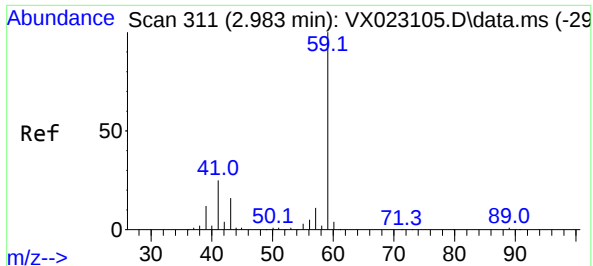
MMDadoda
7/13/2021 6:53:49 PM



#10
Methyl Iodide
Concen: 0.230 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:	142	Resp:	746
Ion	Ratio	Lower	Upper
142	100		
127	58.6	33.3	49.9#
141	9.1	11.4	17.0#





#11

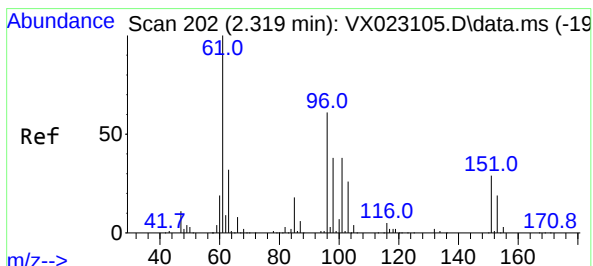
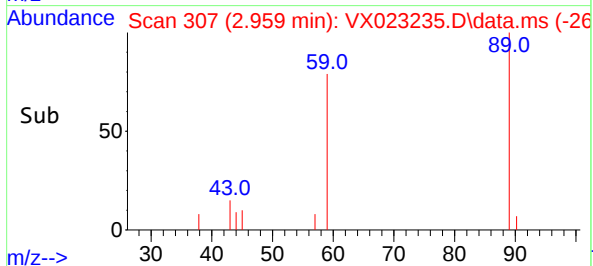
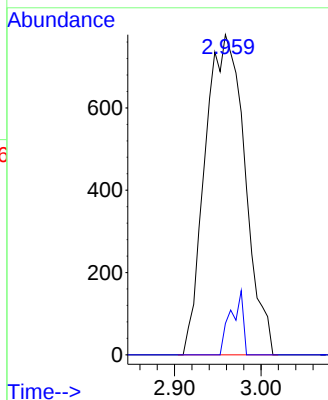
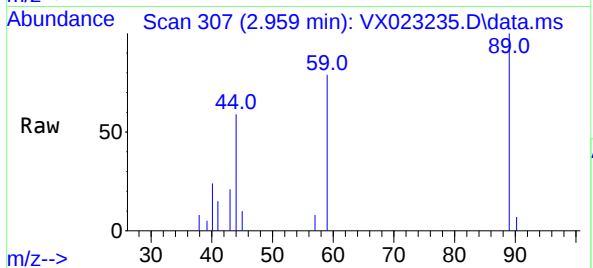
Tert butyl alcohol
Concen: 3.210 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 59 Resp: 2484
Ion Ratio Lower Upper
59 100
57 6.2 7.8 11.8#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations
APPROVED

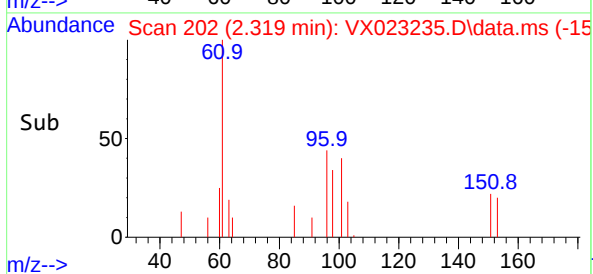
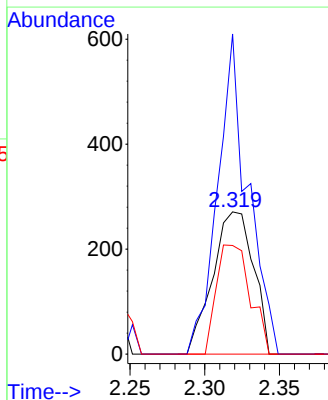
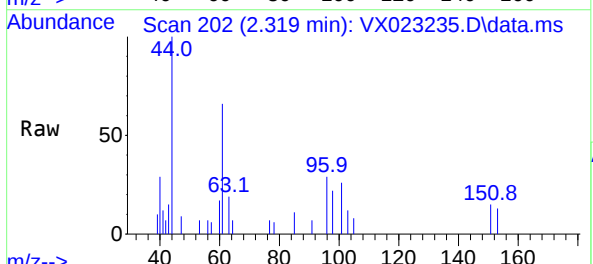
MMDadoda
7/13/2021 6:53:49 PM

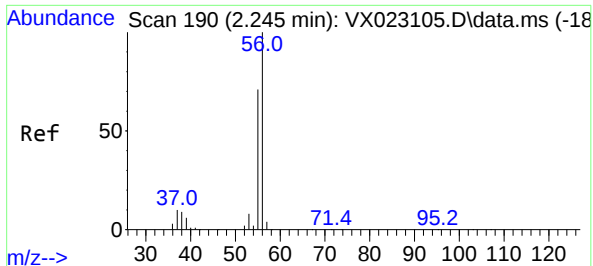


#12

1,1-Dichloroethene
Concen: 0.211 ug/l
RT: 2.319 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 96 Resp: 514
Ion Ratio Lower Upper
96 100
61 225.1 124.6 187.0#
98 76.4 50.6 76.0#





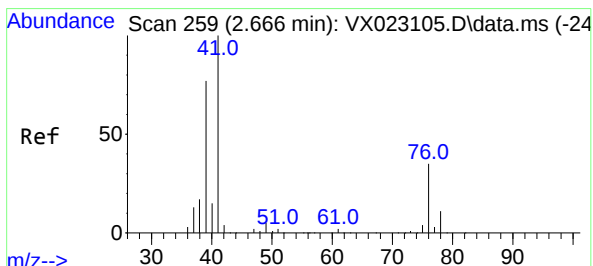
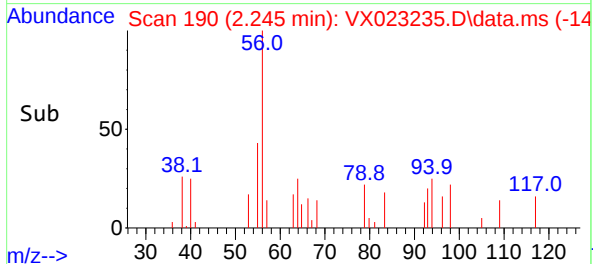
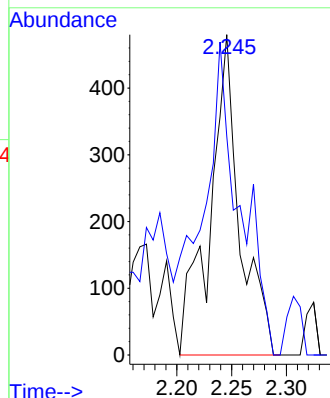
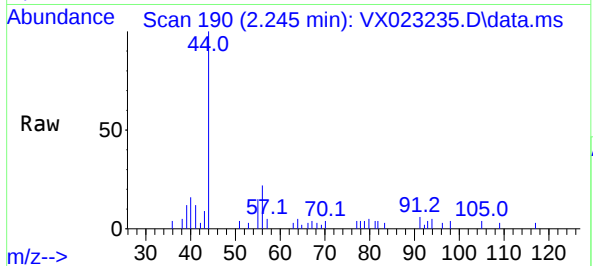
#13
Acrolein
Concen: 1.764 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 56 Resp: 909
Ion Ratio Lower Upper
56 100
55 122.3 56.4 84.6#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

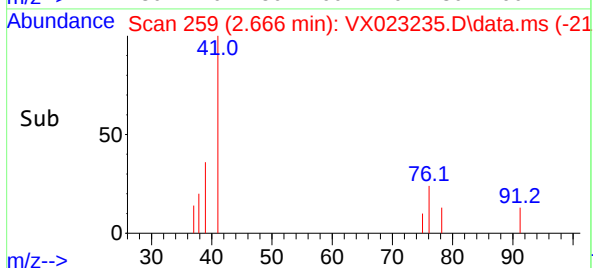
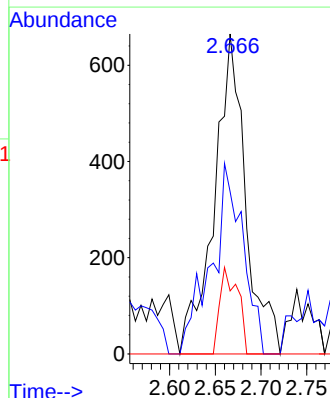
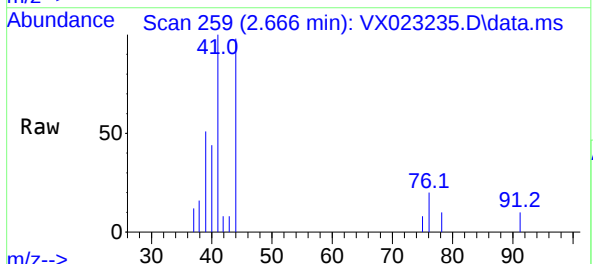
Manual Integrations
APPROVED

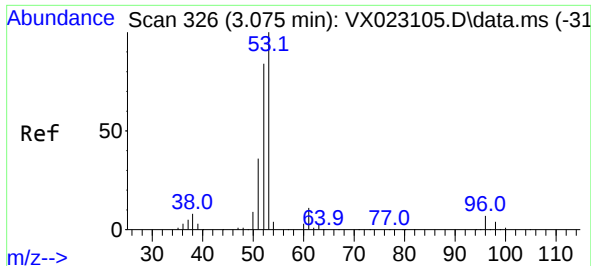
MMDadoda
7/13/2021 6:53:49 PM



#14
Allyl chloride
Concen: 0.376 ug/l
RT: 2.666 min Scan# 259
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

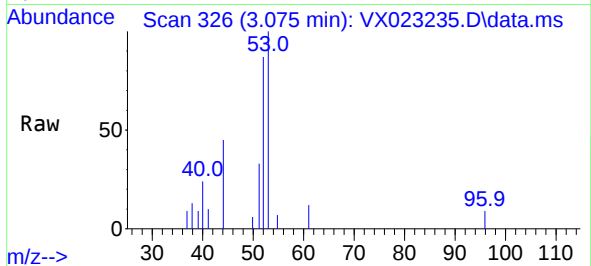
Tgt Ion: 41 Resp: 1593
Ion Ratio Lower Upper
41 100
39 59.8 51.6 77.4
76 15.4 30.5 45.7#





#15
Acrylonitrile
Concen: 1.087 ug/l
RT: 3.075 min Scan# 326
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

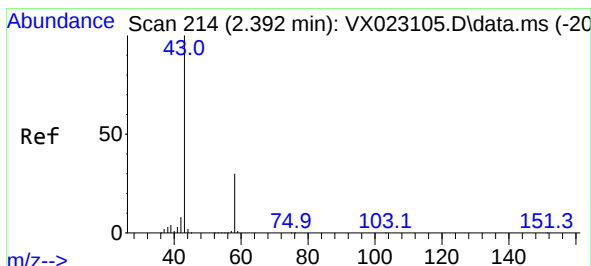
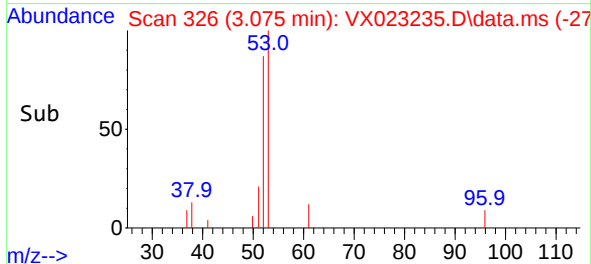
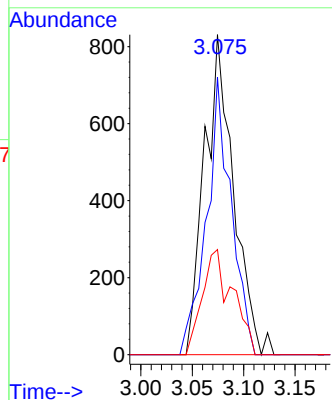
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL



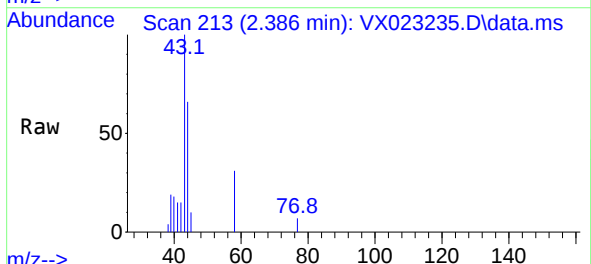
Tgt Ion: 53 Resp: 1636
Ion Ratio Lower Upper
53 100
52 73.3 65.3 97.9
51 34.1 28.2 42.2

Manual Integrations
APPROVED

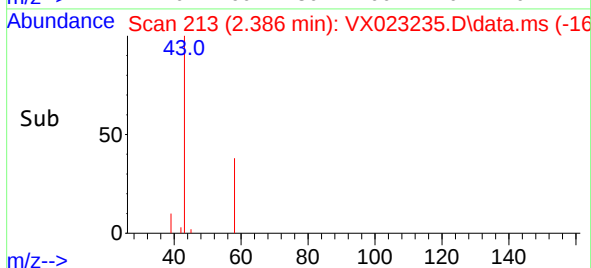
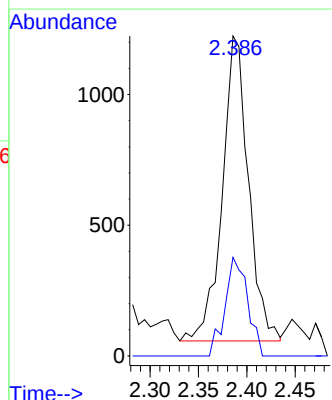
MMDadoda
7/13/2021 6:53:49 PM

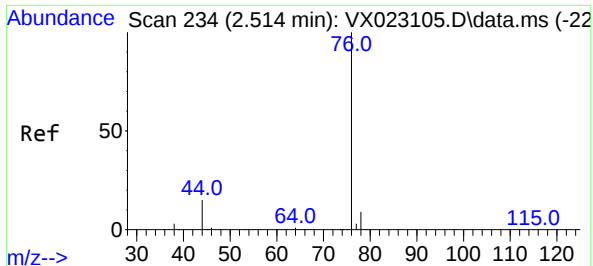


#16
Acetone
Concen: 1.510 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



Tgt Ion: 43 Resp: 2198
Ion Ratio Lower Upper
43 100
58 32.3 27.8 41.8





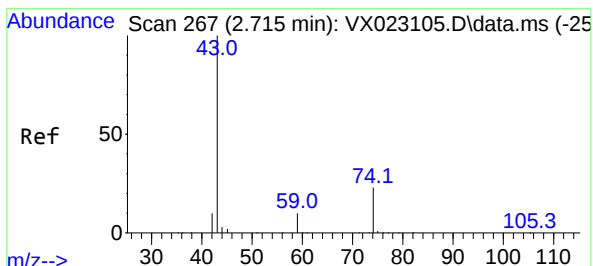
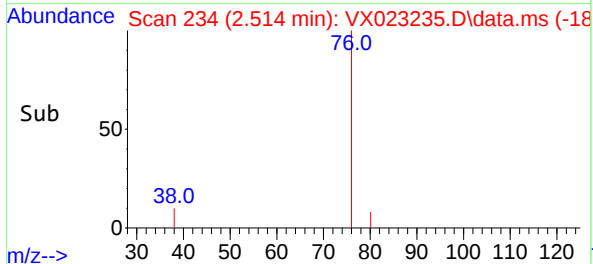
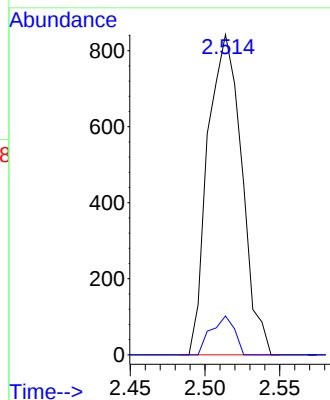
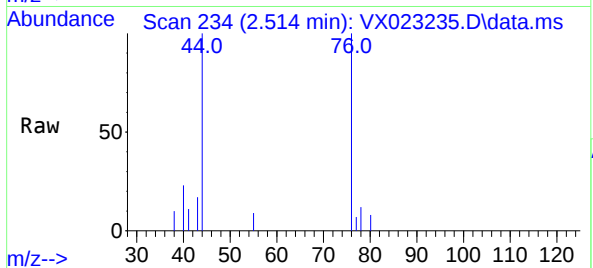
#17
Carbon Disulfide
Concen: 0.259 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 76 Resp: 1332
Ion Ratio Lower Upper
76 100
78 12.1 7.2 10.8#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

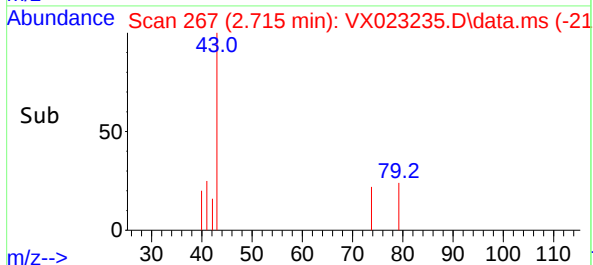
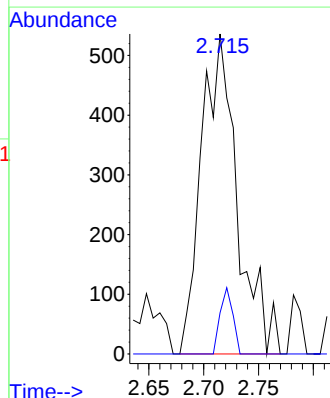
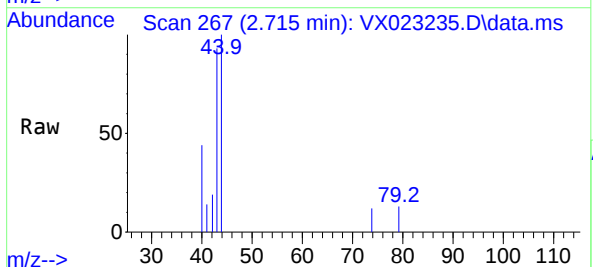
Manual Integrations
APPROVED

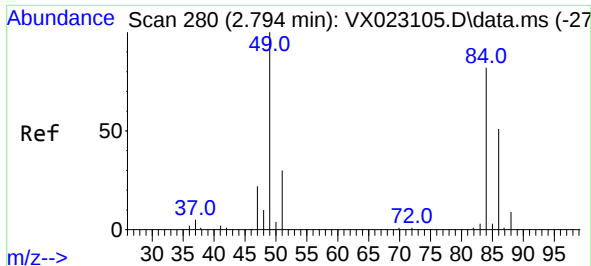
MMDadoda
7/13/2021 6:53:49 PM



#18
Methyl Acetate
Concen: 0.346 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

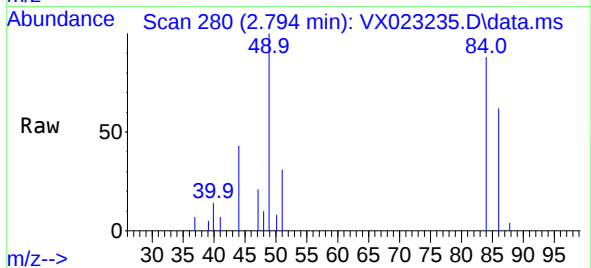
Tgt Ion: 43 Resp: 1224
Ion Ratio Lower Upper
43 100
74 7.3 21.9 32.9#





#20
Methylene Chloride
Concen: 0.714 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

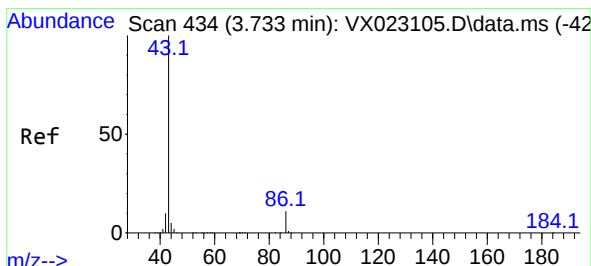
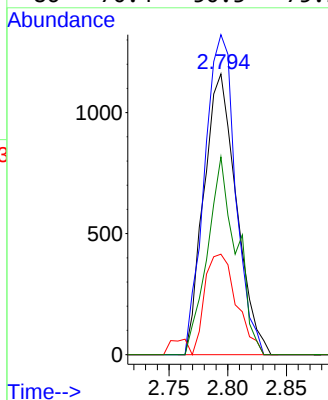
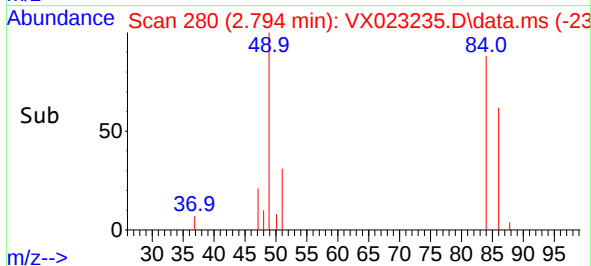
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL



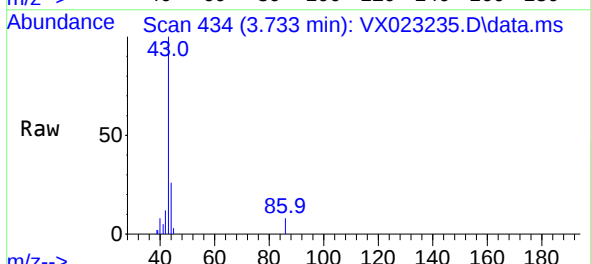
Tgt Ion:	84	Resp:	2238
Ion	Ratio	Lower	Upper
84	100		
49	114.0	88.6	132.8
51	35.8	27.0	40.6
86	70.4	50.3	75.5

Manual Integrations
APPROVED

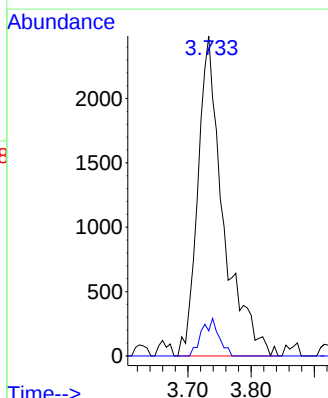
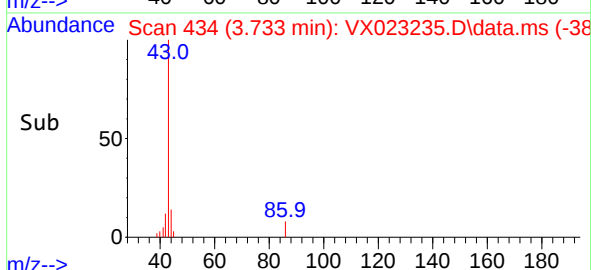
MMDadoda
7/13/2021 6:53:49 PM

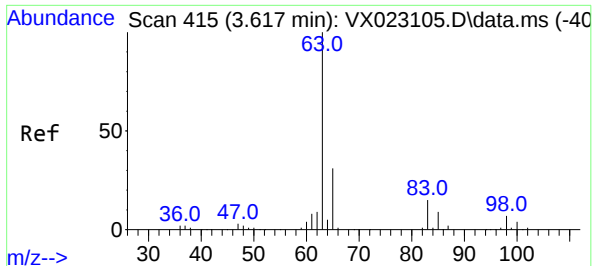


#23
Vinyl Acetate
Concen: 0.919 ug/l
RT: 3.733 min Scan# 434
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



Tgt Ion:	43	Resp:	6949
Ion	Ratio	Lower	Upper
43	100		
86	7.8	9.9	14.9#





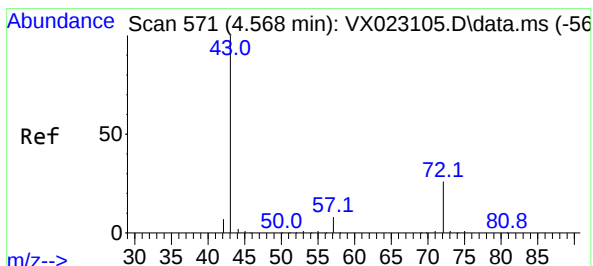
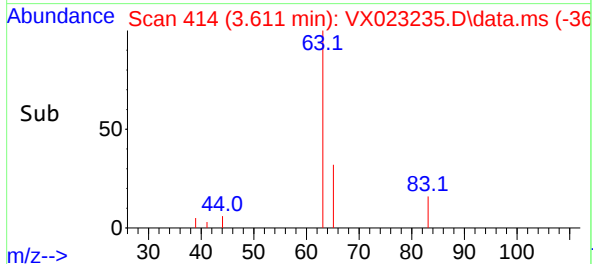
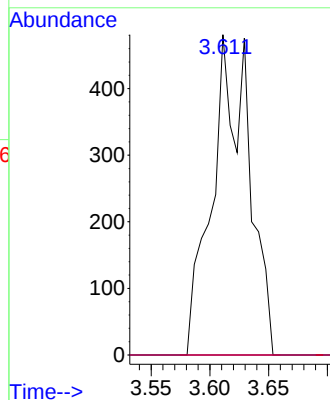
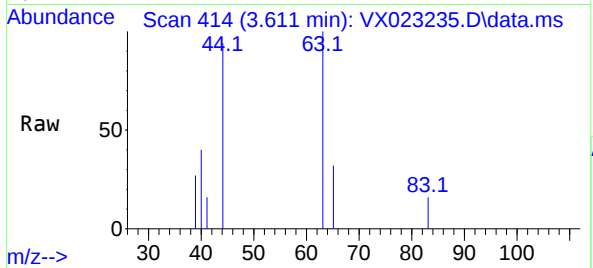
#24
1,1-Dichloroethane
Concen: 0.208 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 63 Resp: 1050
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

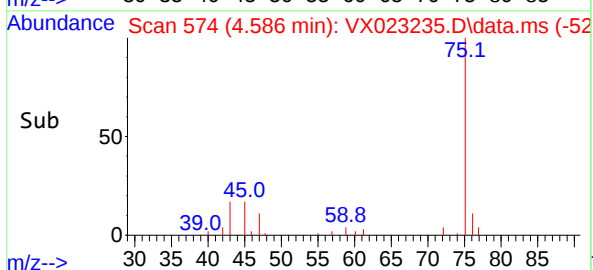
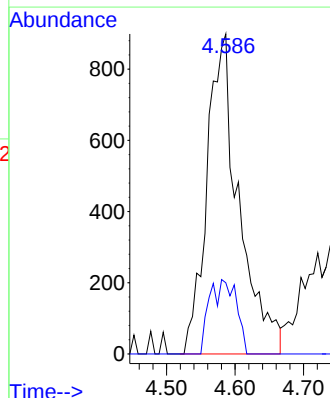
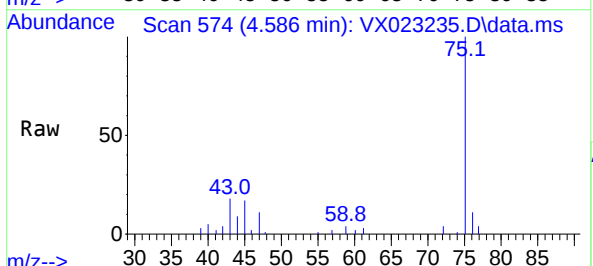
Manual Integrations
APPROVED

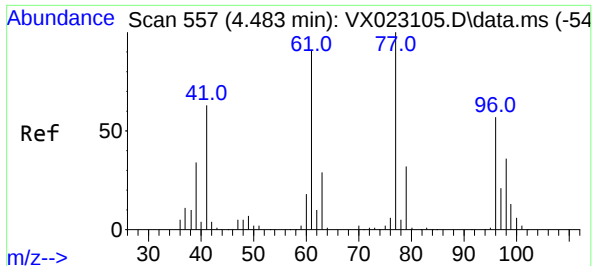
MMDadoda
7/13/2021 6:53:49 PM



#25
2-Butanone
Concen: 1.329 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 43 Resp: 2917
Ion Ratio Lower Upper
43 100
72 22.2 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.243 ug/l m

RT: 4.471 min Scan# 555

Delta R.T. -0.012 min

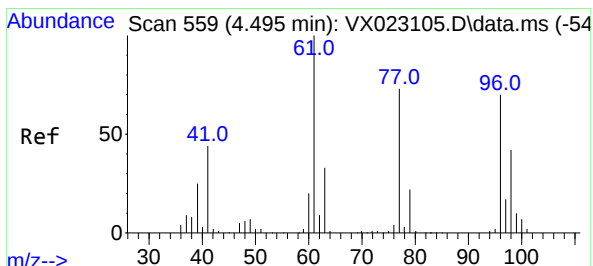
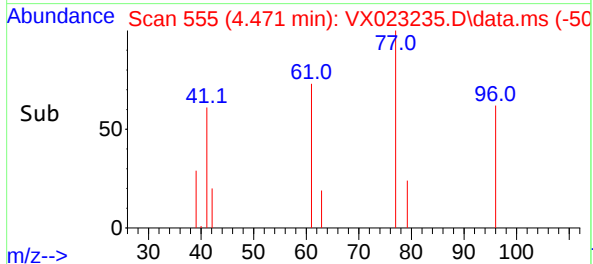
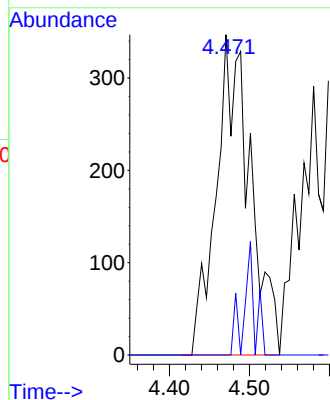
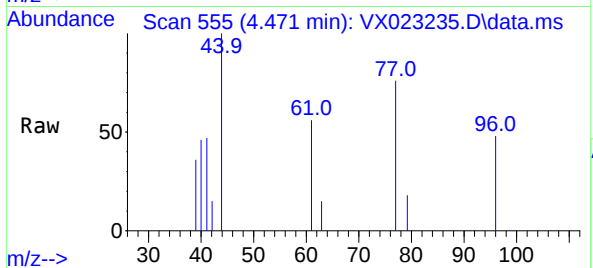
Lab File: VX023235.D

Acq: 12 Jul 2021 12:28

Tgt Ion: 77 Resp: 1029

Ion Ratio Lower Upper

77 100
97 0.0 11.7 35.1#



#27

cis-1,2-Dichloroethene

Concen: 0.200 ug/l m

RT: 4.471 min Scan# 555

Delta R.T. -0.024 min

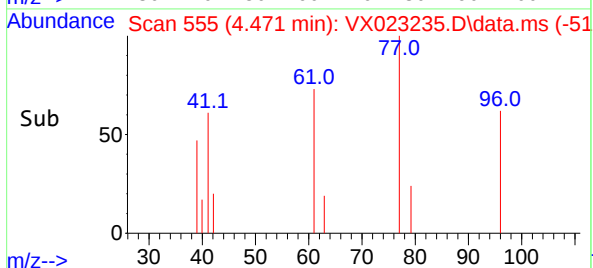
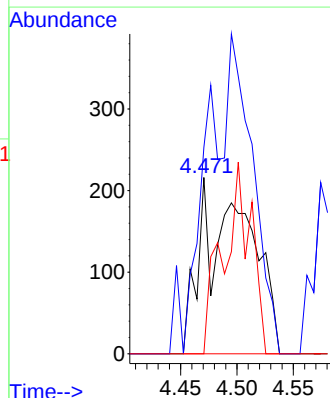
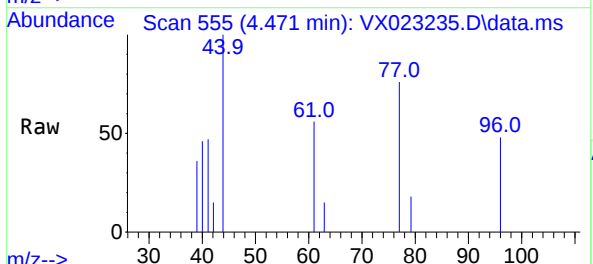
Lab File: VX023235.D

Acq: 12 Jul 2021 12:28

Tgt Ion: 96 Resp: 639

Ion Ratio Lower Upper

96 100
61 105.6 0.0 285.6
98 63.1 0.0 129.6



Instrument :

MSVOA_X

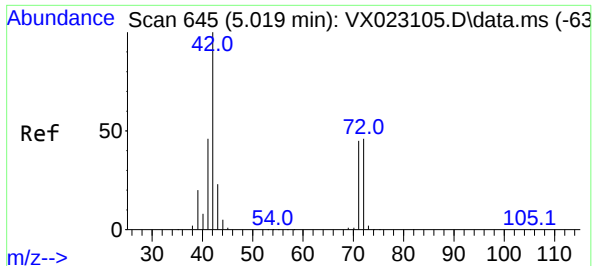
ClientSampleId :

MDL-WATER-03-QT3-2021DL

Manual Integrations

APPROVED

MMDadoda
7/13/2021 6:53:49 PM



#29

Tetrahydrofuran

Concen: 1.070 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX023235.D

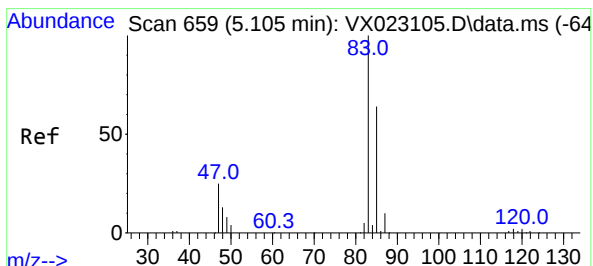
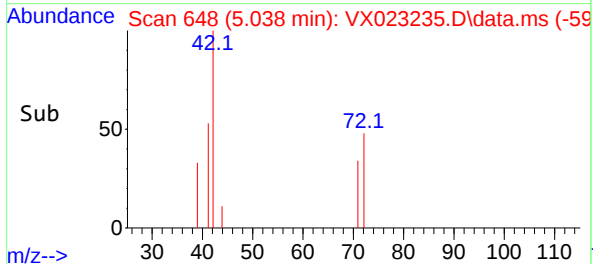
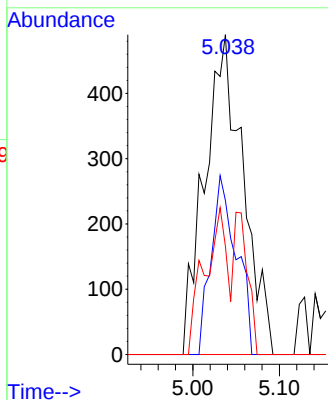
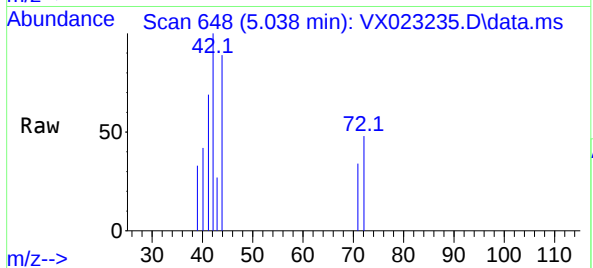
Acq: 12 Jul 2021 12:28

Tgt Ion:	42	Resp:	1509
Ion	Ratio	Lower	Upper
42	100		
72	37.0	41.7	62.5#
71	27.1	38.4	57.6#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations
APPROVED

MMDadoda
7/13/2021 6:53:49 PM



#30

Chloroform

Concen: 0.258 ug/l

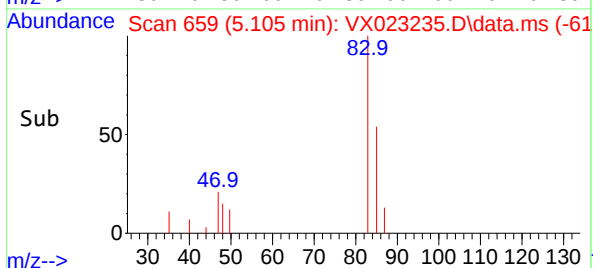
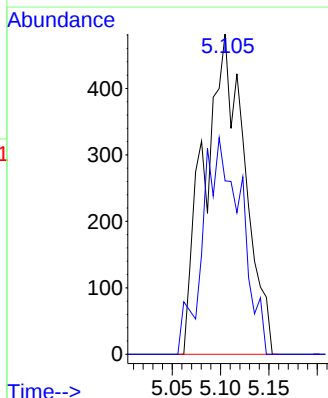
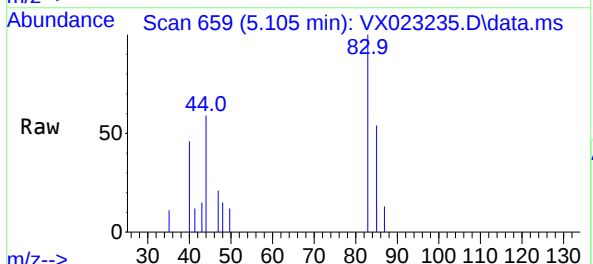
RT: 5.105 min Scan# 659

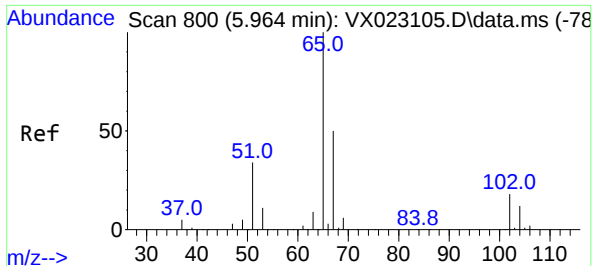
Delta R.T. -0.000 min

Lab File: VX023235.D

Acq: 12 Jul 2021 12:28

Tgt Ion:	83	Resp:	1405
Ion	Ratio	Lower	Upper
83	100		
85	54.1	52.0	78.0





#33

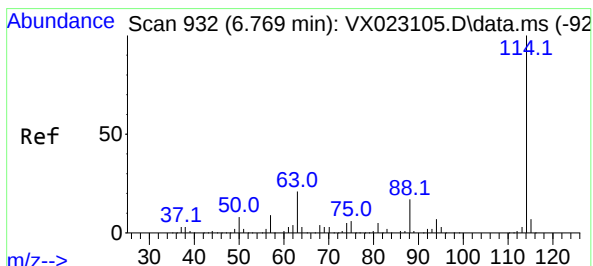
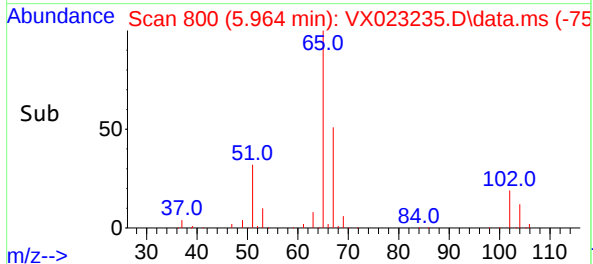
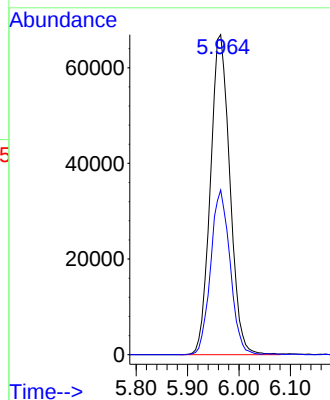
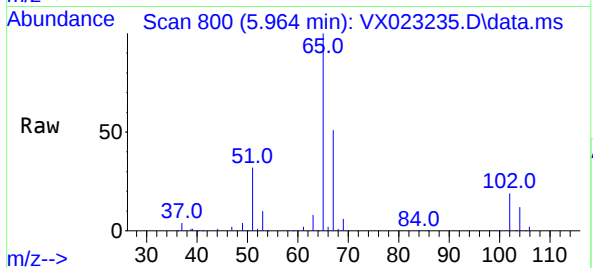
1,2-Dichloroethane-d4
Concen: 47.935 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 65 Resp: 176346
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations
APPROVED

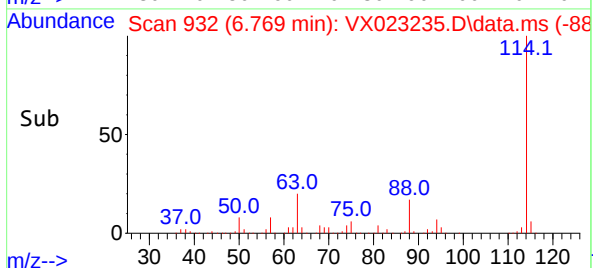
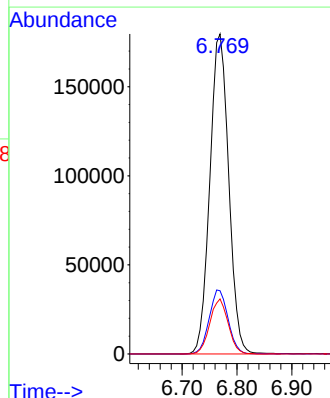
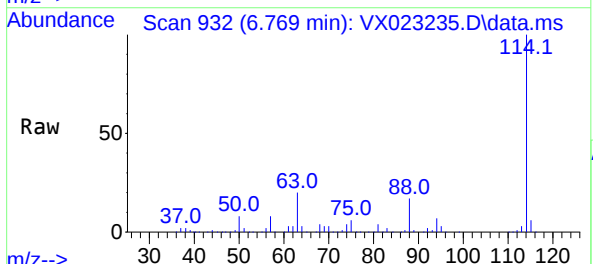
MMDadoda
7/13/2021 6:53:49 PM

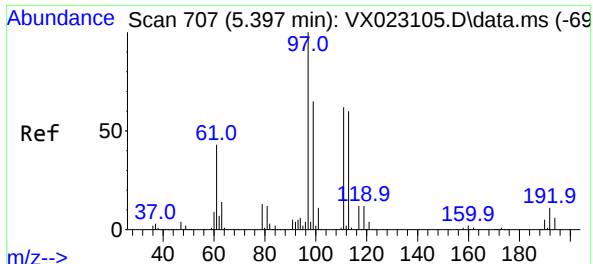


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

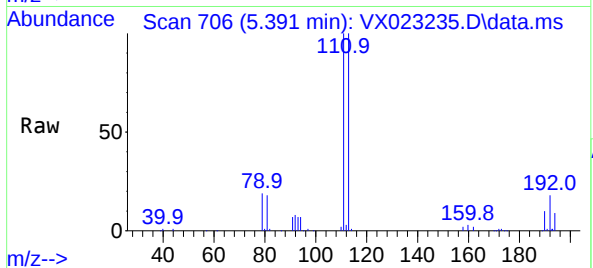
Tgt Ion: 114 Resp: 428018
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.8
88 17.2 0.0 32.8





#35
Dibromofluoromethane
Concen: 47.733 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

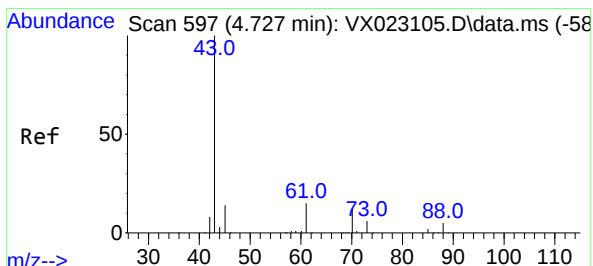
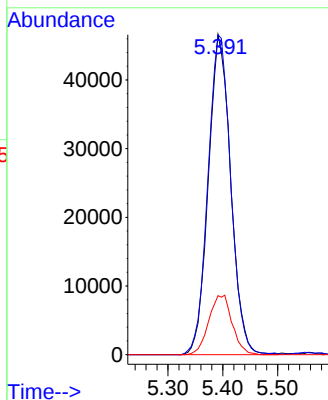
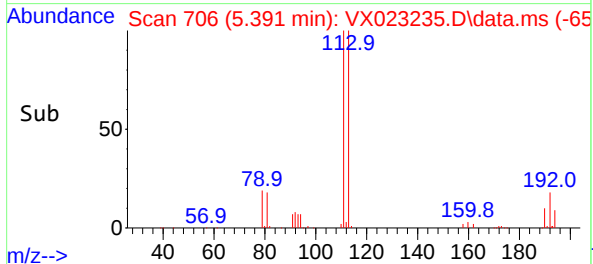
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL



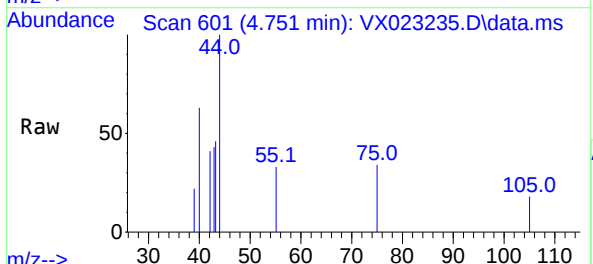
Tgt Ion:113 Resp: 131931
Ion Ratio Lower Upper
113 100
111 102.1 81.9 122.9
192 19.4 16.7 25.1

Manual Integrations
APPROVED

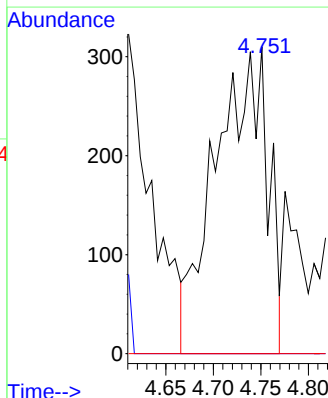
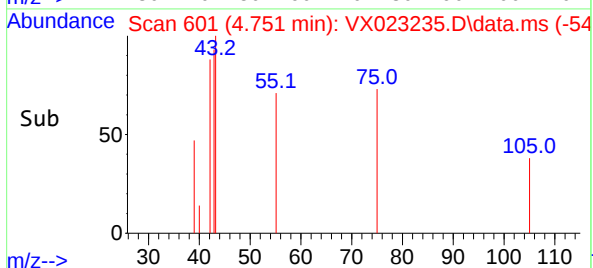
MMDadoda
7/13/2021 6:53:49 PM

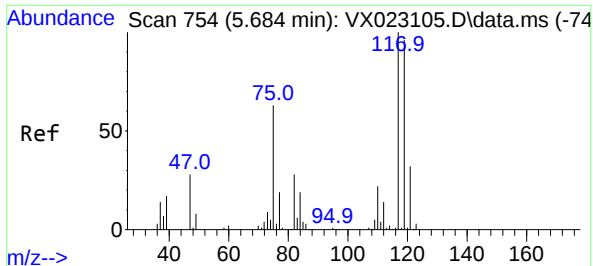


#37
Ethyl Acetate
Concen: 0.279 ug/l m
RT: 4.751 min Scan# 601
Delta R.T. 0.024 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

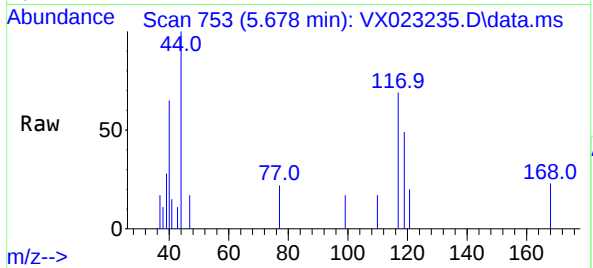


Tgt Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#

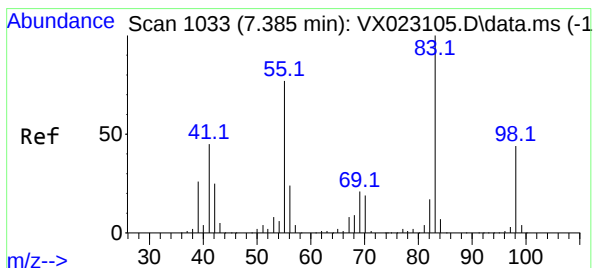
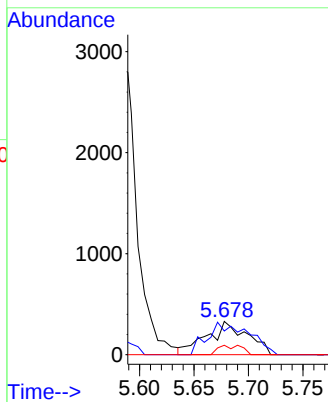
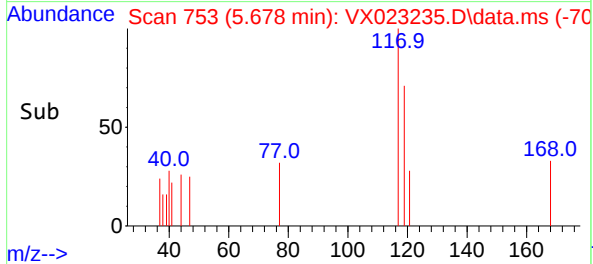




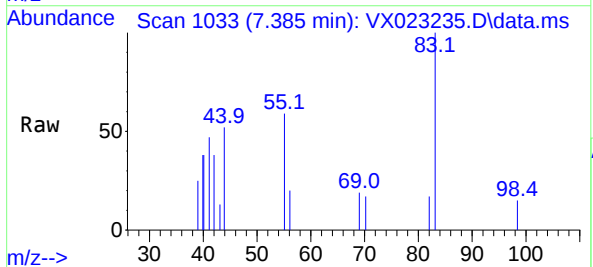
#38
Carbon Tetrachloride
Concen: 0.213 ug/l m
RT: 5.678 min Scan# 753
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



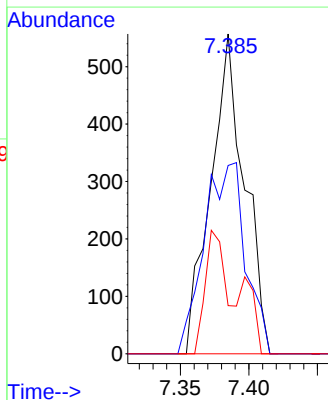
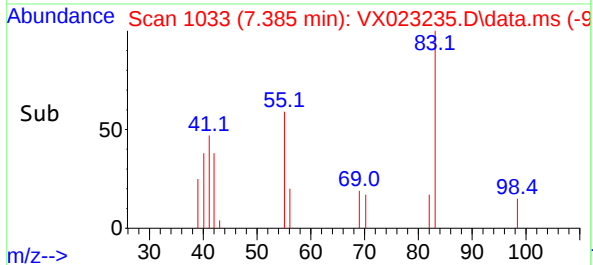
Tgt Ion: 117 Resp: 849
Ion Ratio Lower Upper
117 100
119 71.1 76.2 114.2#
121 28.3 24.8 37.2



#39
Methylcyclohexane
Concen: 0.214 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



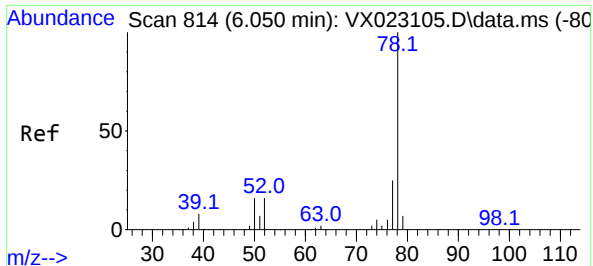
Tgt Ion: 83 Resp: 956
Ion Ratio Lower Upper
83 100
55 58.9 58.9 88.3
98 15.1 38.1 57.1#



Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations
APPROVED

MMDadoda
7/13/2021 6:53:49 PM



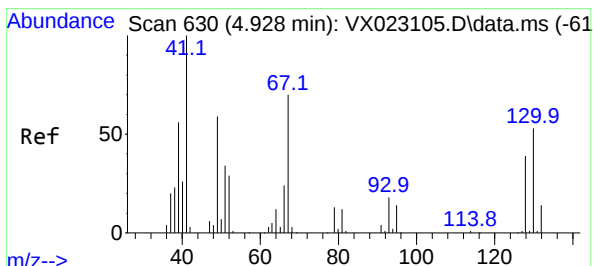
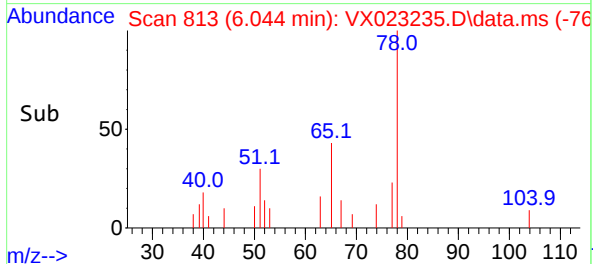
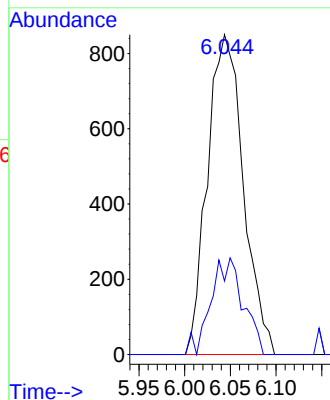
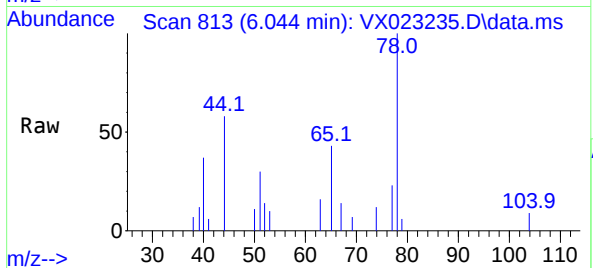
#40
Benzene
Concen: 0.210 ug/l
RT: 6.044 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 78 Resp: 2322
Ion Ratio Lower Upper
78 100
77 22.9 18.9 28.3

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

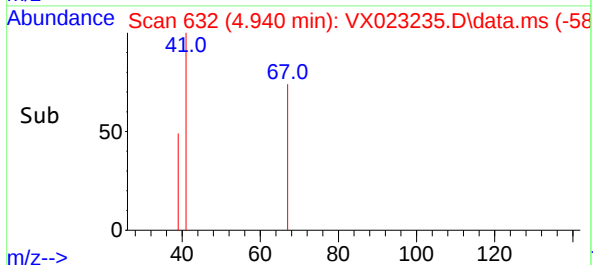
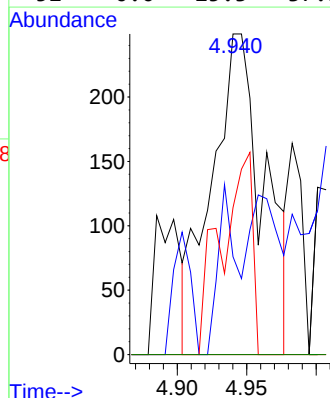
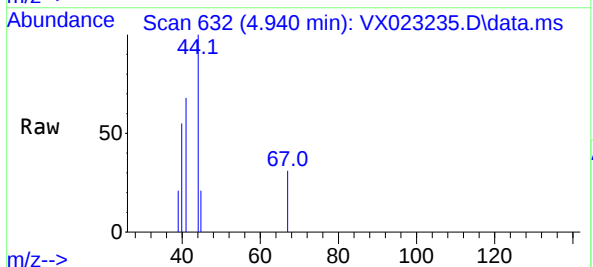
Manual Integrations
APPROVED

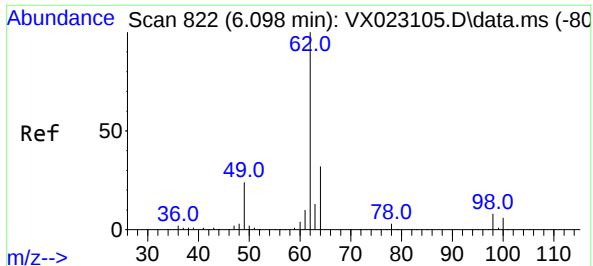
MMDadoda
7/13/2021 6:53:49 PM



#41
Methacrylonitrile
Concen: 0.281 ug/l m
RT: 4.940 min Scan# 632
Delta R.T. 0.012 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 41 Resp: 654
Ion Ratio Lower Upper
41 100
39 18.2 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#42

1,2-Dichloroethane

Concen: 0.265 ug/l

RT: 6.086 min Scan# 820

Delta R.T. -0.012 min

Lab File: VX023235.D

Acq: 12 Jul 2021 12:28

Tgt Ion: 62 Resp: 1181

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.2

Instrument :

MSVOA_X

ClientSampleId :

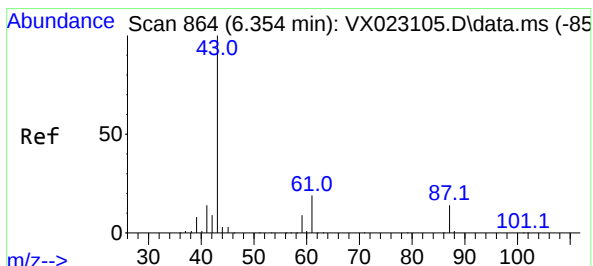
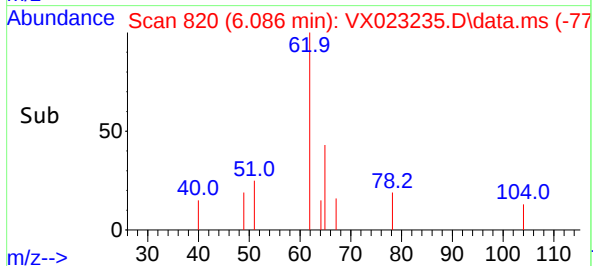
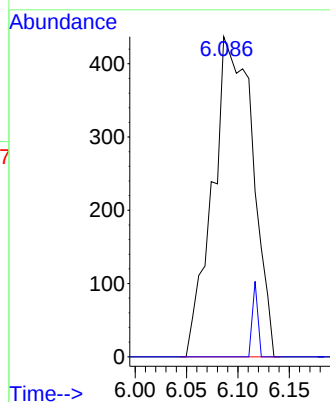
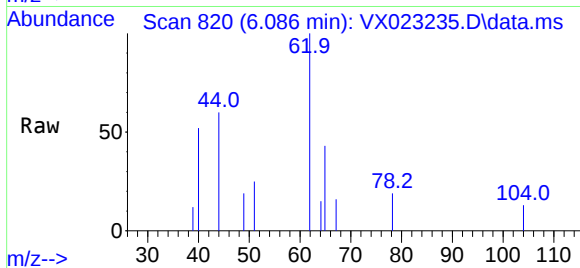
MDL-WATER-03-QT3-2021DL

Manual Integrations

APPROVED

MMDadoda

7/13/2021 6:53:49 PM



#43

Isopropyl Acetate

Concen: 0.253 ug/l

RT: 6.348 min Scan# 863

Delta R.T. -0.006 min

Lab File: VX023235.D

Acq: 12 Jul 2021 12:28

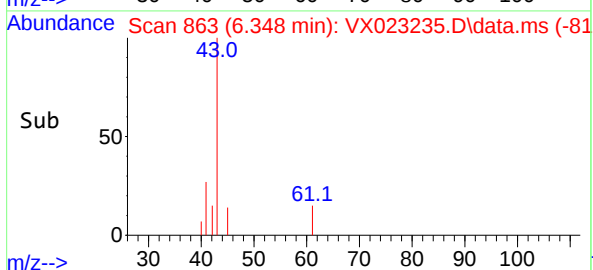
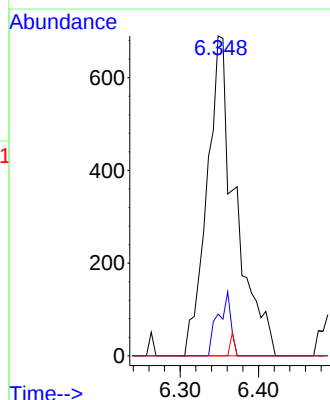
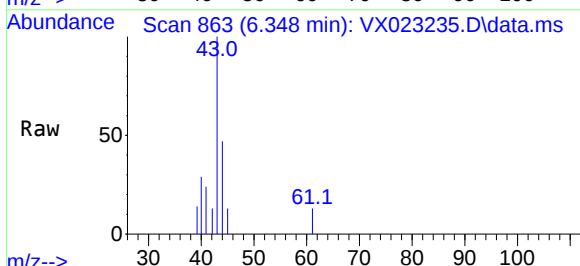
Tgt Ion: 43 Resp: 1753

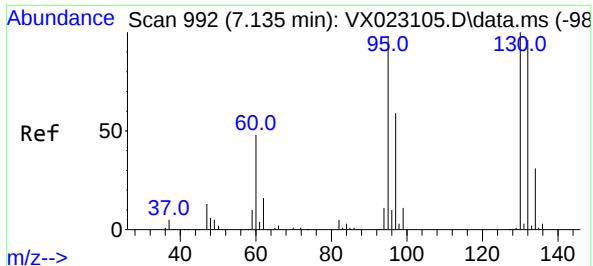
Ion Ratio Lower Upper

43 100

61 9.0 18.2 27.4#

87 1.0 12.5 18.7#





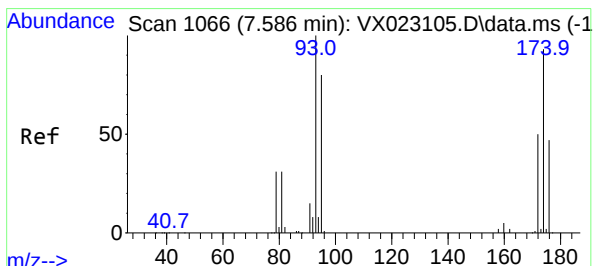
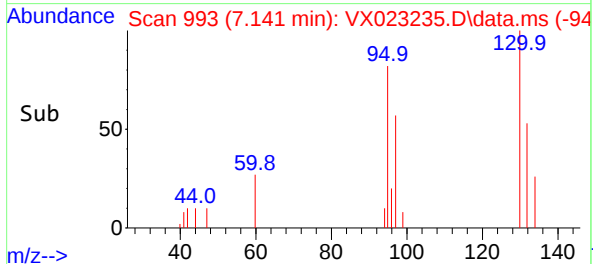
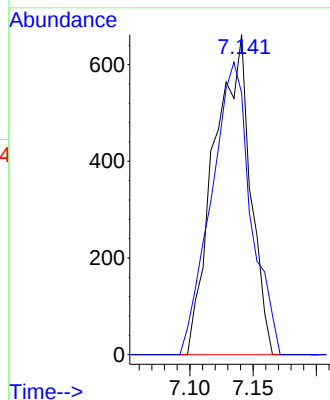
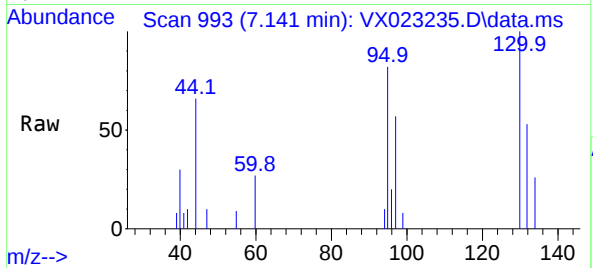
#44
Trichloroethene
Concen: 0.421 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:130 Resp: 1322
Ion Ratio Lower Upper
130 100
95 81.7 0.0 198.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

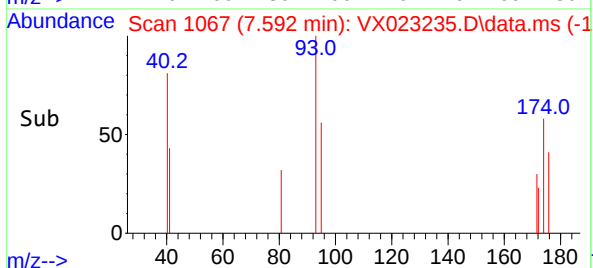
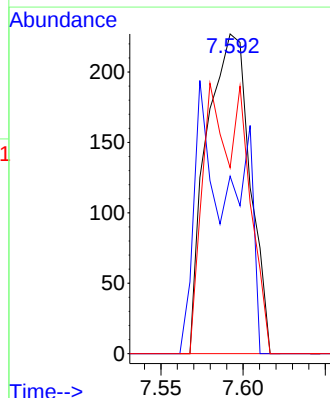
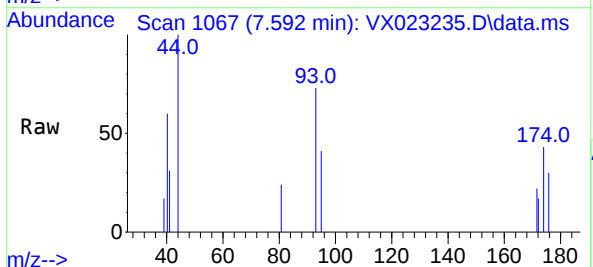
Manual Integrations
APPROVED

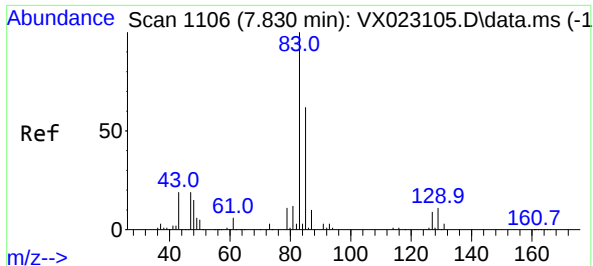
MMDadoda
7/13/2021 6:53:49 PM



#46
Dibromomethane
Concen: 0.201 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 93 Resp: 416
Ion Ratio Lower Upper
93 100
95 40.4 66.8 100.2#
174 82.2 83.1 124.7#





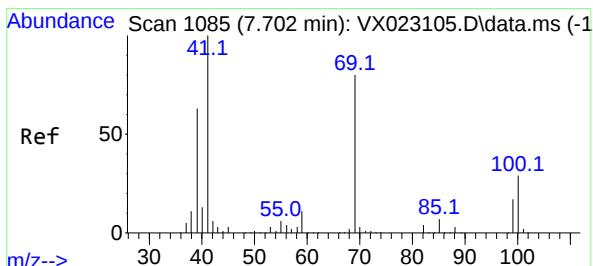
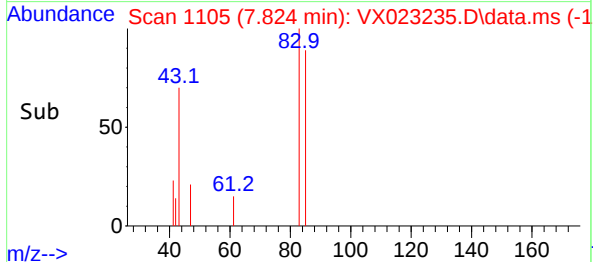
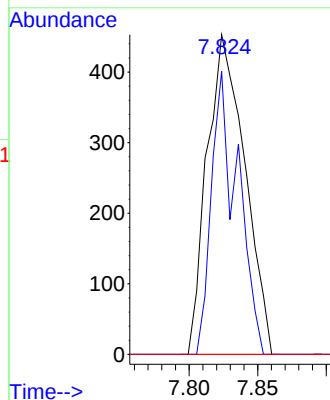
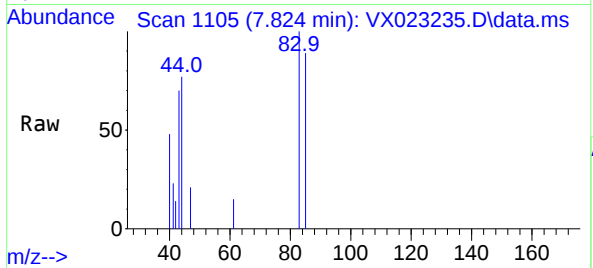
#47
Bromodichloromethane
Concen: 0.230 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 83 Resp: 869
Ion Ratio Lower Upper
83 100
85 88.5 51.4 77.0#
127 0.0 6.8 10.2#

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

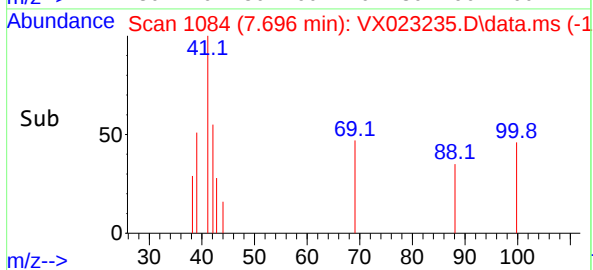
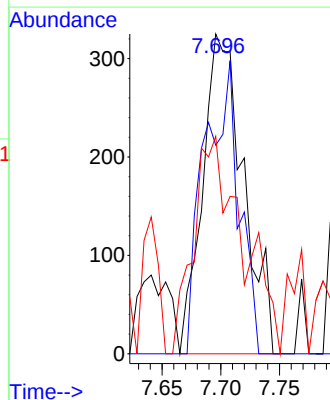
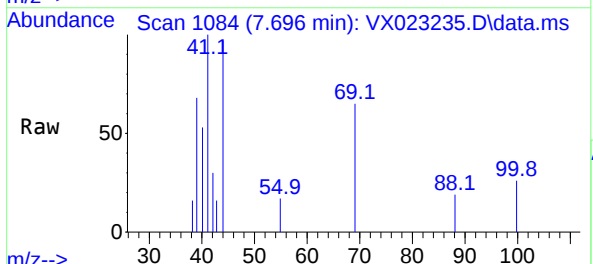
Manual Integrations
APPROVED

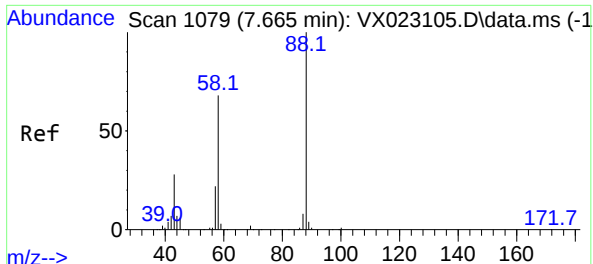
MMDadoda
7/13/2021 6:53:49 PM



#48
Methyl methacrylate
Concen: 0.231 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

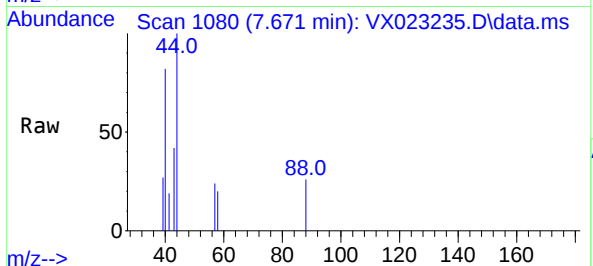
Tgt Ion: 41 Resp: 785
Ion Ratio Lower Upper
41 100
69 78.0 76.0 114.0
39 81.7 44.6 67.0#





#49
1,4-Dioxane
Concen: 1.491 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. 0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

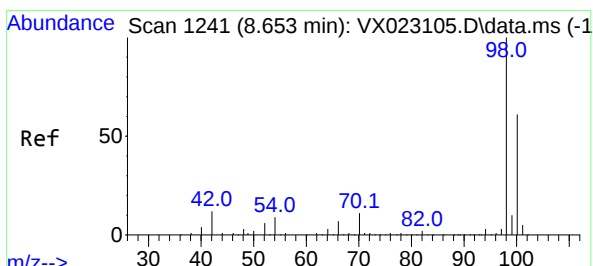
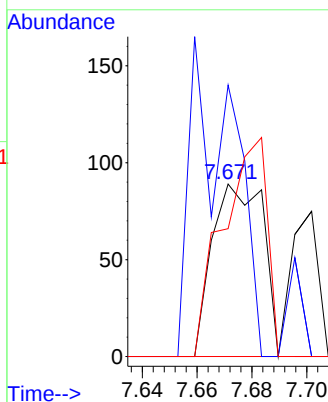
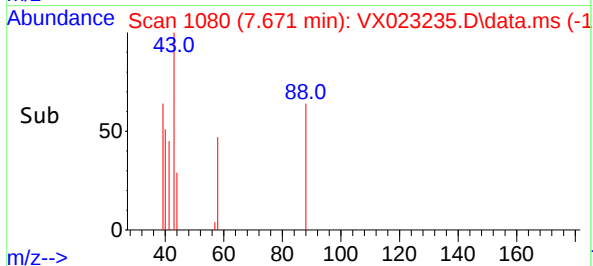
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL



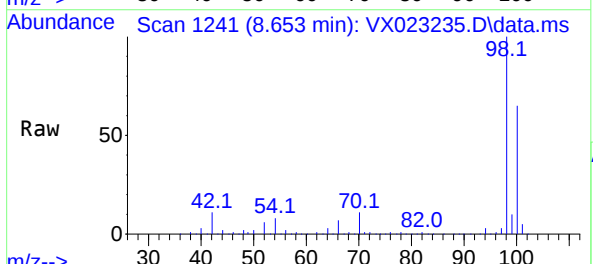
Tgt Ion: 88 Resp: 114
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 111.4 55.0 82.4#

Manual Integrations
APPROVED

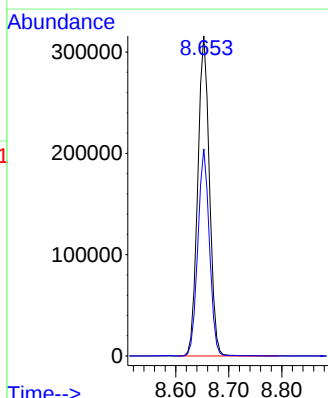
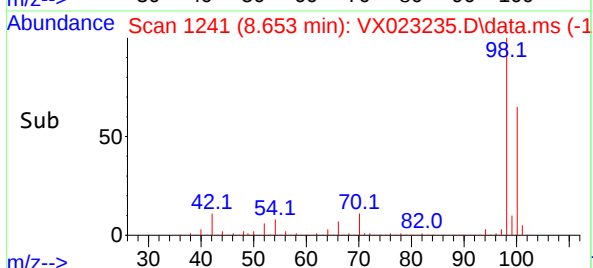
MMDadoda
7/13/2021 6:53:49 PM

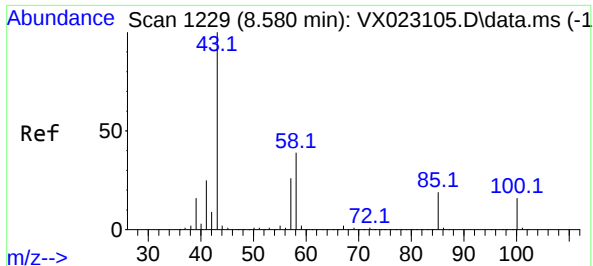


#50
Toluene-d8
Concen: 46.780 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



Tgt Ion: 98 Resp: 482316
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9





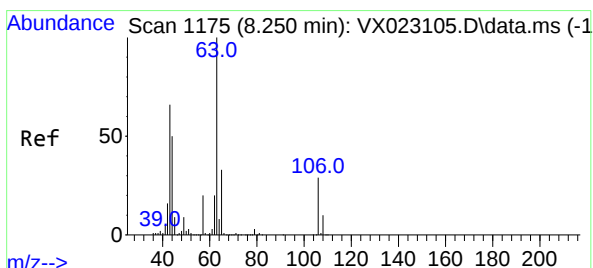
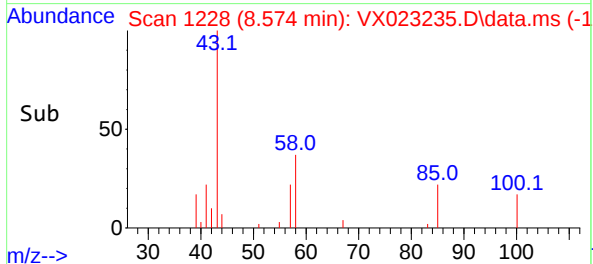
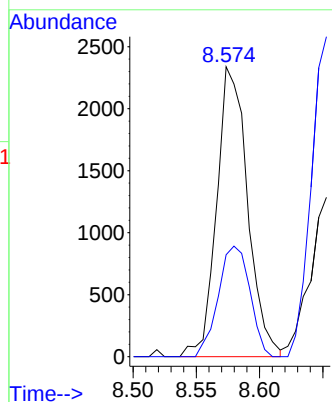
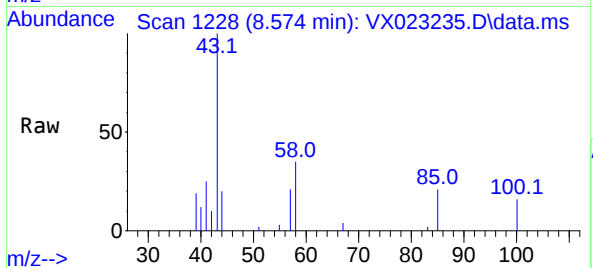
#51
4-Methyl-2-Pentanone
Concen: 0.927 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 43 Resp: 3978
Ion Ratio Lower Upper
43 100
58 39.0 35.4 53.0

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

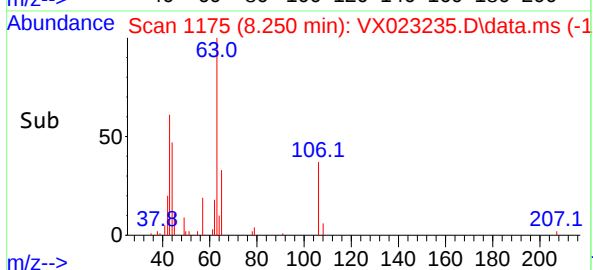
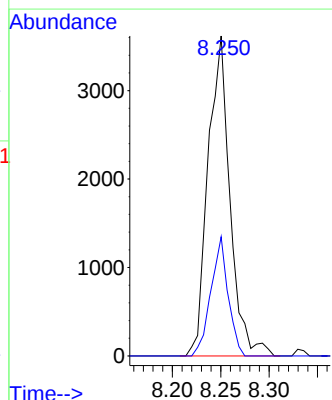
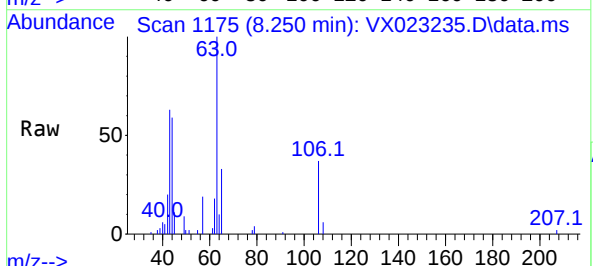
Manual Integrations
APPROVED

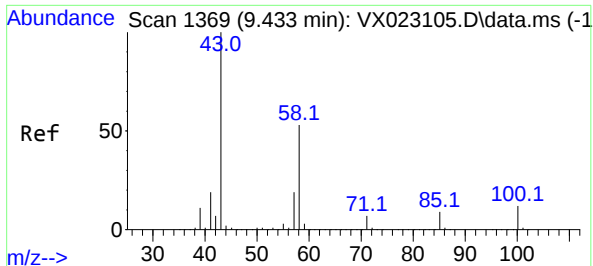
MMDadoda
7/13/2021 6:53:49 PM



#58
2-Chloroethyl Vinyl ether
Concen: 2.513 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 63 Resp: 5717
Ion Ratio Lower Upper
63 100
106 29.2 23.5 35.3





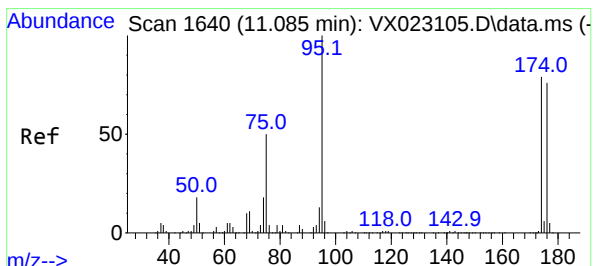
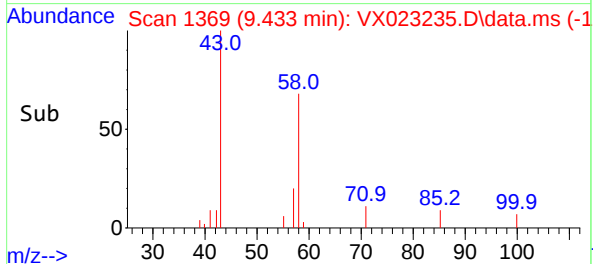
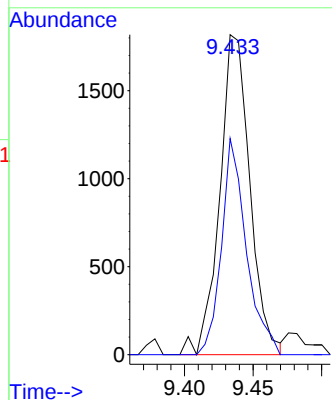
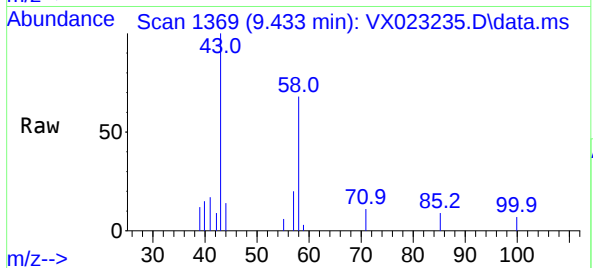
#59
2-Hexanone
Concen: 0.846 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 43 Resp: 2786
Ion Ratio Lower Upper
43 100
58 55.6 30.9 92.8

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

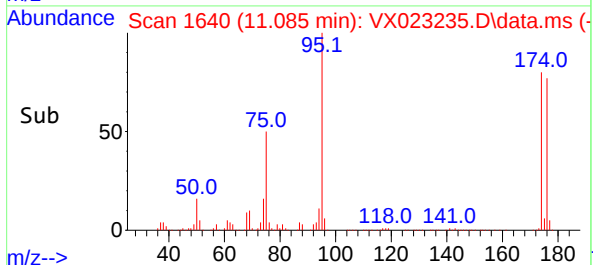
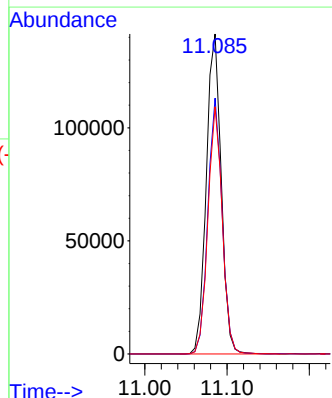
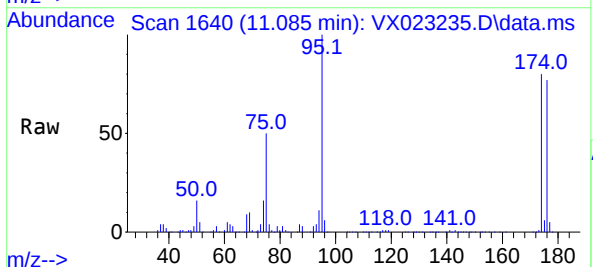
Manual Integrations
APPROVED

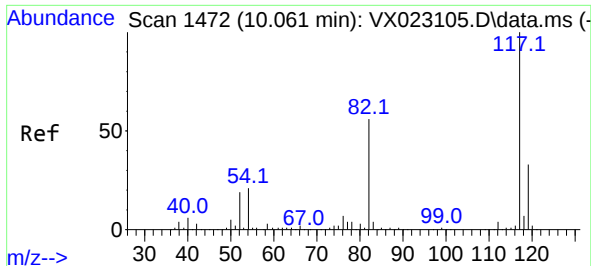
MMDadoda
7/13/2021 6:53:49 PM



#62
4-Bromofluorobenzene
Concen: 44.659 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 95 Resp: 177758
Ion Ratio Lower Upper
95 100
174 76.7 0.0 154.6
176 74.5 0.0 155.8





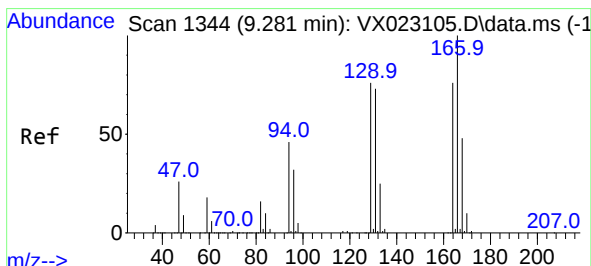
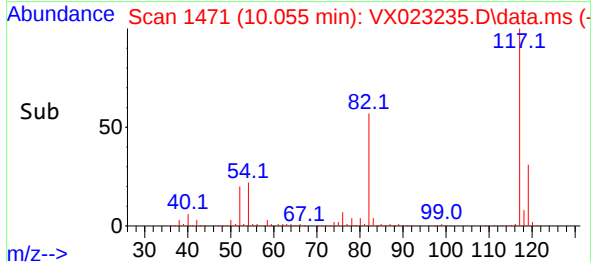
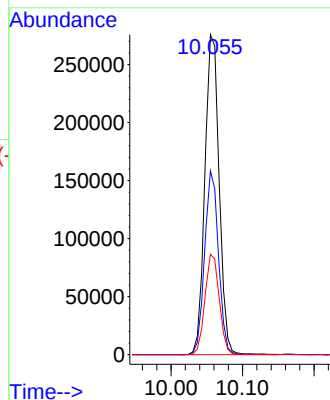
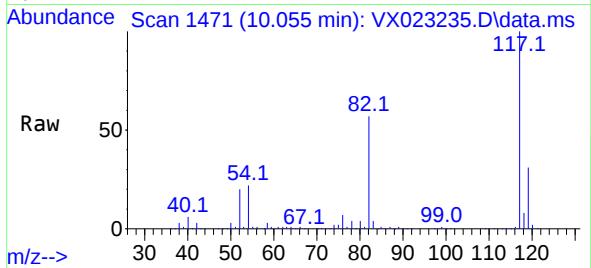
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:117 Resp: 383549
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.4 26.6 39.8

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

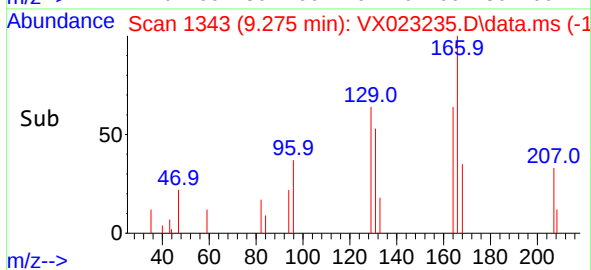
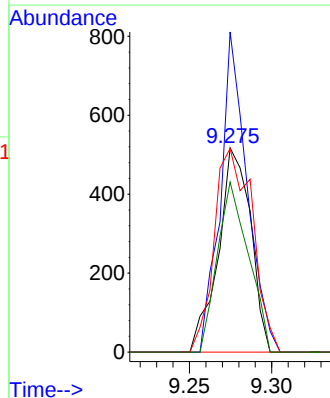
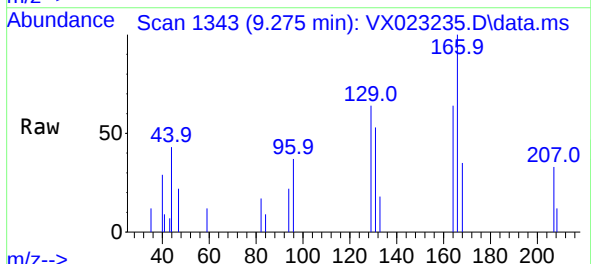
Manual Integrations
APPROVED

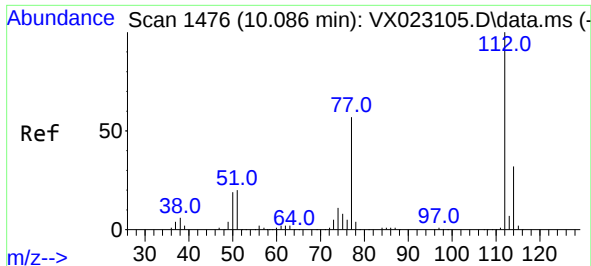
MMDadoda
7/13/2021 6:53:49 PM



#64
Tetrachloroethene
Concen: 0.231 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

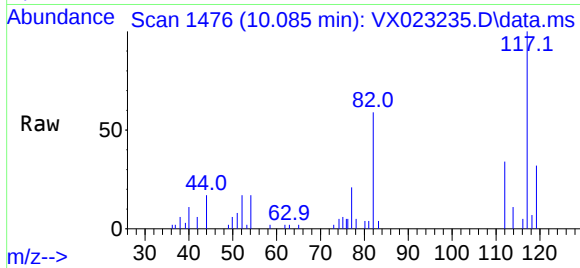
Tgt Ion:164 Resp: 706
Ion Ratio Lower Upper
164 100
166 156.9 103.4 155.2#
129 99.8 70.8 106.2
131 83.4 72.5 108.7





#65
Chlorobenzene
Concen: 0.206 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. -0.001 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

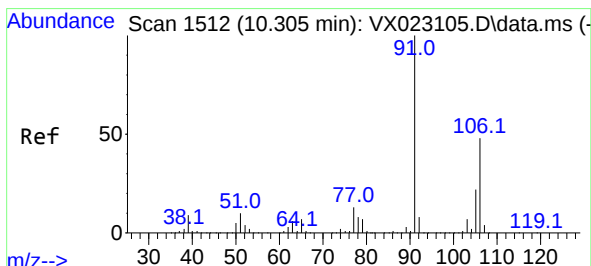
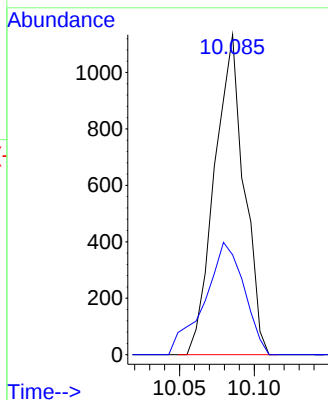
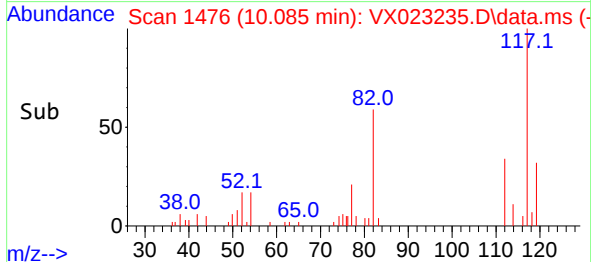
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL



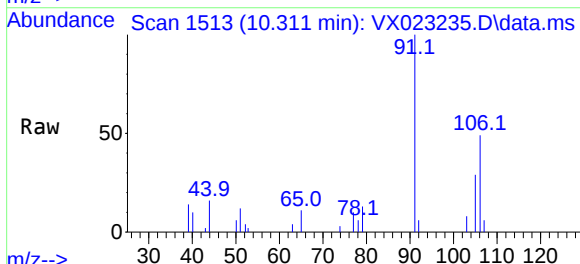
Tgt Ion:112 Resp: 1560
Ion Ratio Lower Upper
112 100
114 31.2 25.8 38.6

Manual Integrations
APPROVED

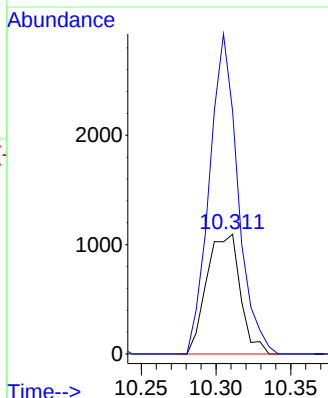
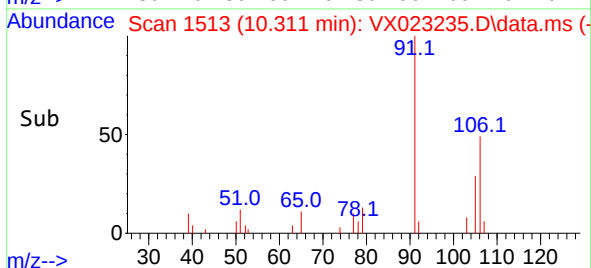
MMDadoda
7/13/2021 6:53:49 PM

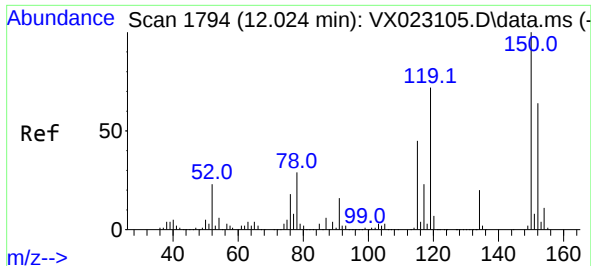


#68
m/p-Xylenes
Concen: 0.333 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

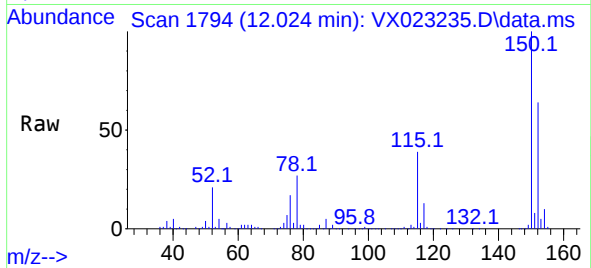


Tgt Ion:106 Resp: 1703
Ion Ratio Lower Upper
106 100
91 227.2 162.8 244.2

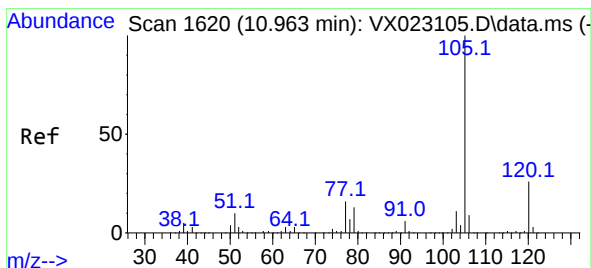
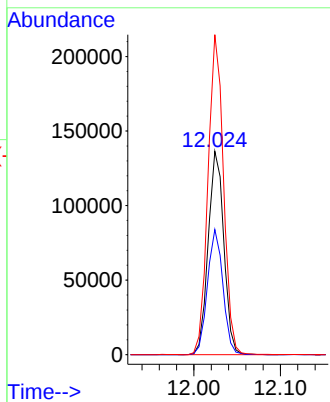
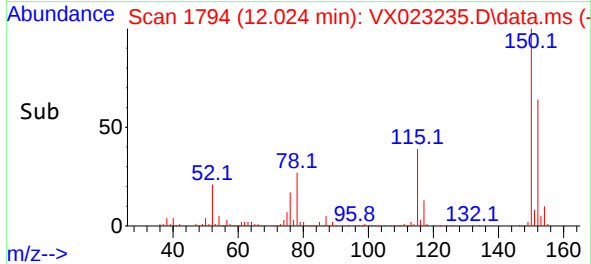




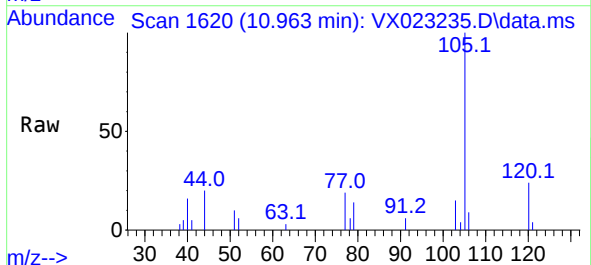
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



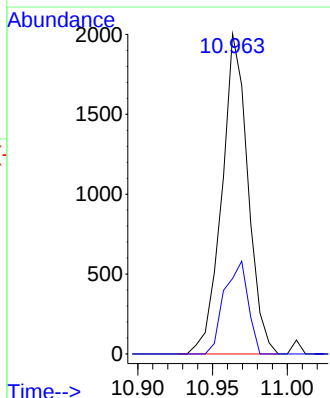
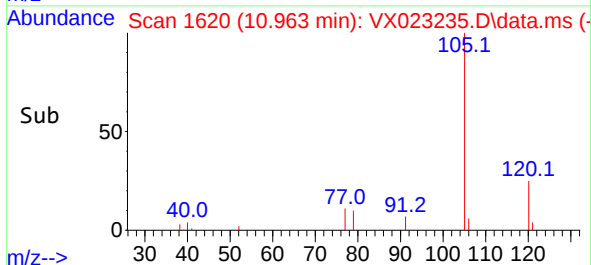
Tgt Ion:152 Resp: 170897
Ion Ratio Lower Upper
152 100
115 60.9 41.1 123.3
150 155.7 0.0 349.0



#73
Isopropylbenzene
Concen: 0.201 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



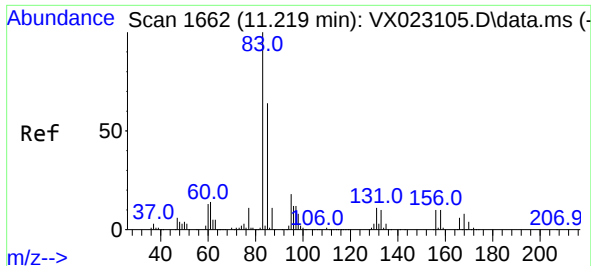
Tgt Ion:105 Resp: 2425
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.6



Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

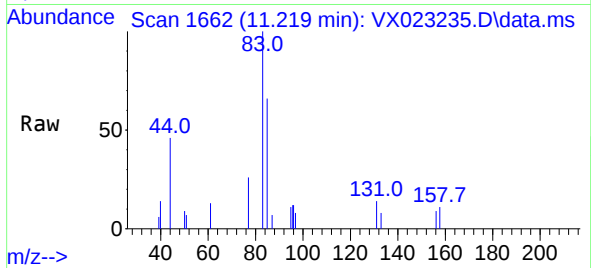
Manual Integrations
APPROVED

MMDadoda
7/13/2021 6:53:49 PM



#75
1,1,2,2-Tetrachloroethane
Concen: 0.214 ug/l
RT: 11.219 min Scan# 1662
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

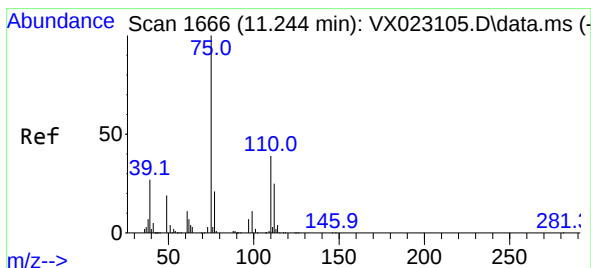
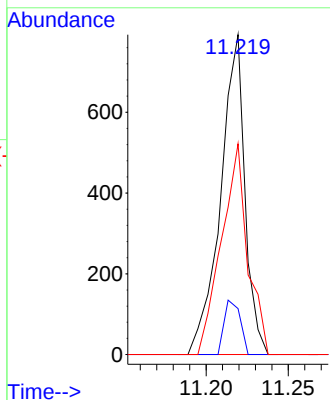
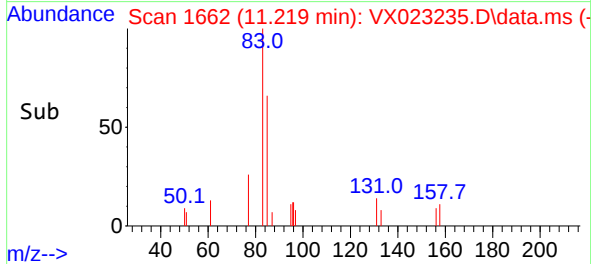
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL



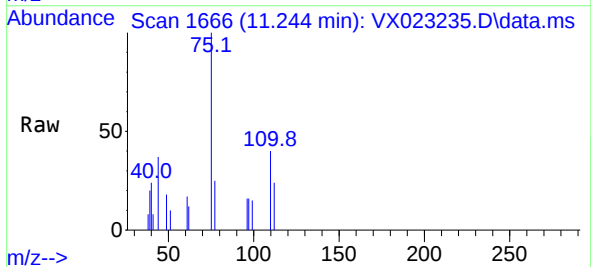
Tgt Ion: 83 Resp: 818
Ion Ratio Lower Upper
83 100
131 11.1 5.1 15.2
85 70.7 31.8 95.4

Manual Integrations
APPROVED

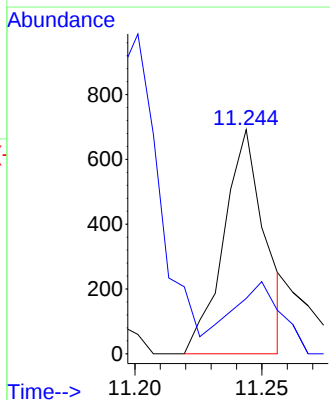
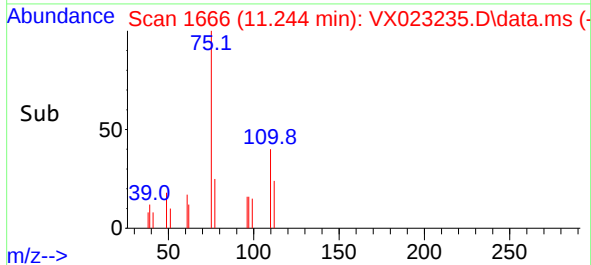
MMDadoda
7/13/2021 6:53:49 PM

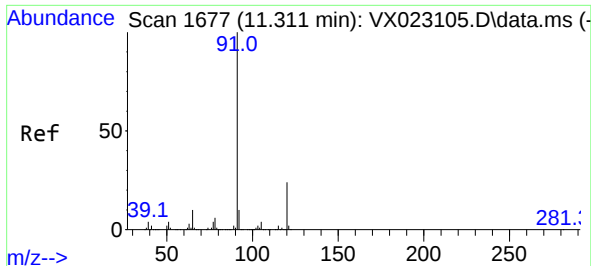


#76
1,2,3-Trichloropropane
Concen: 0.227 ug/l m
RT: 11.244 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28



Tgt Ion: 75 Resp: 780
Ion Ratio Lower Upper
75 100
77 131.9 19.1 57.5#





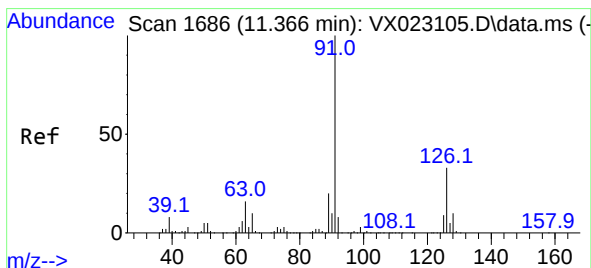
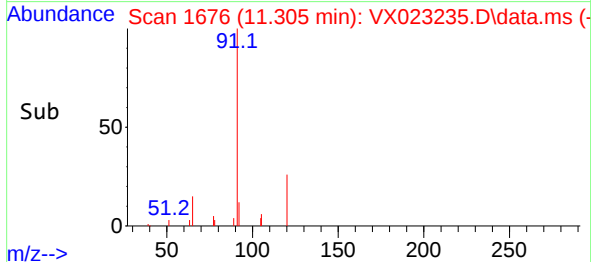
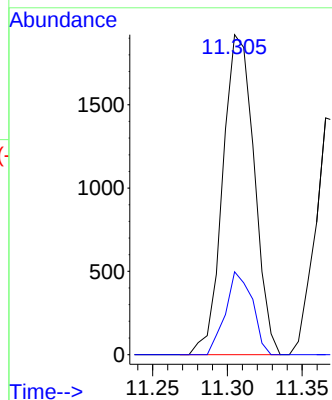
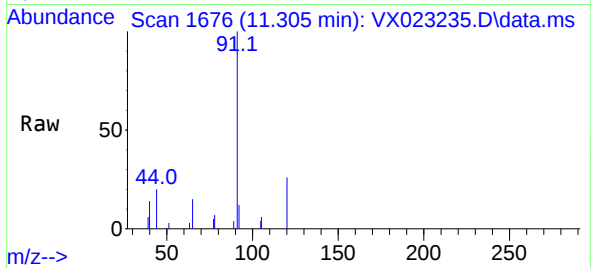
#78
n-propylbenzene
Concen: 0.202 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 91 Resp: 2806
Ion Ratio Lower Upper
91 100
120 22.0 11.5 34.5

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

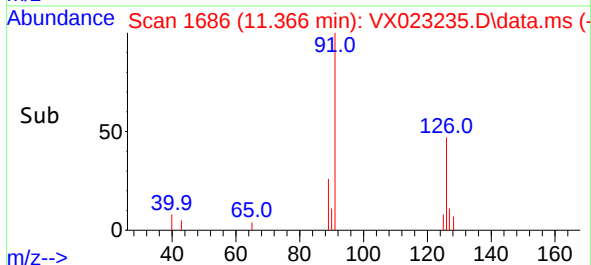
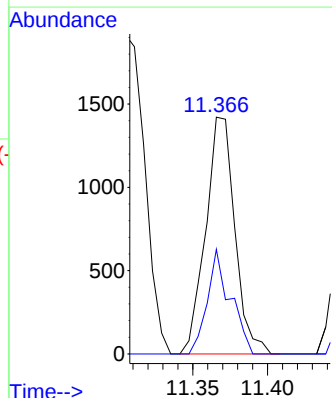
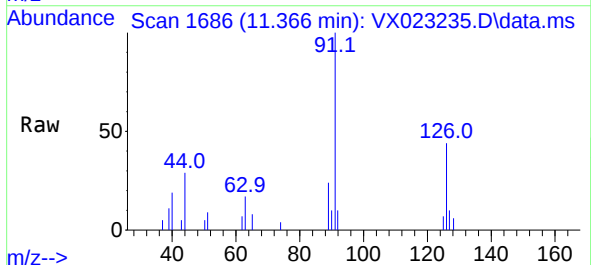
Manual Integrations
APPROVED

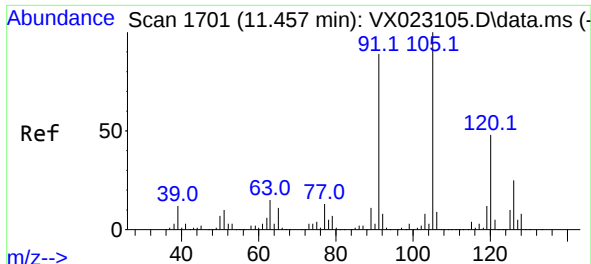
MMDadoda
7/13/2021 6:53:49 PM



#79
2-Chlorotoluene
Concen: 0.225 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 91 Resp: 1934
Ion Ratio Lower Upper
91 100
126 34.6 16.6 49.8





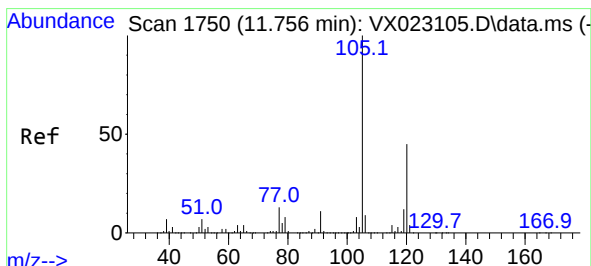
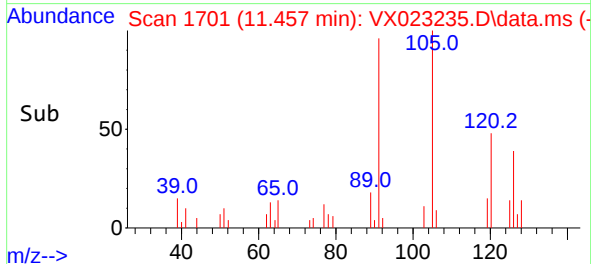
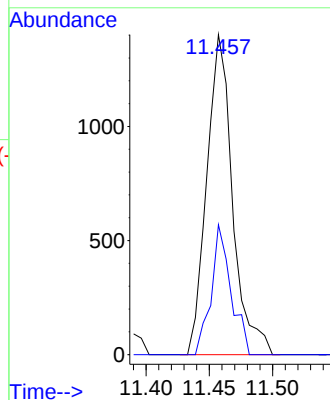
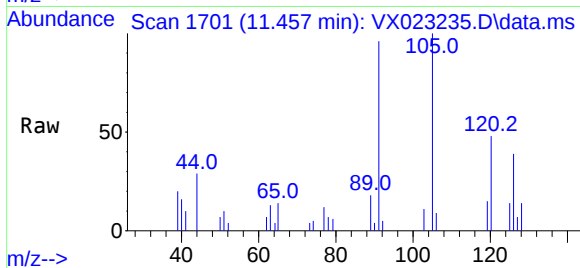
#82
4-Chlorotoluene
Concen: 0.205 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 91 Resp: 1990
Ion Ratio Lower Upper
91 100
126 31.0 14.9 44.5

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

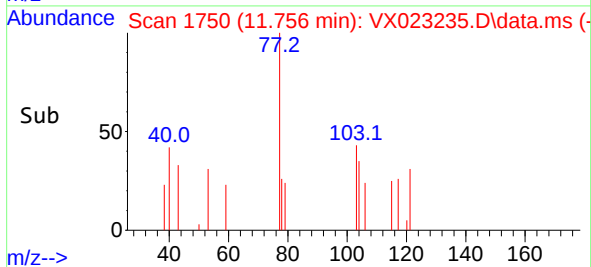
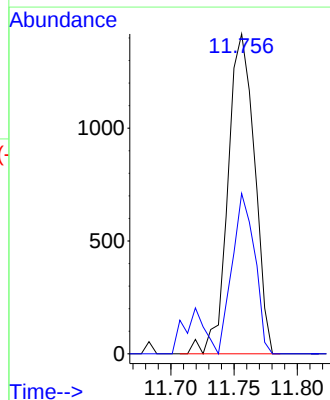
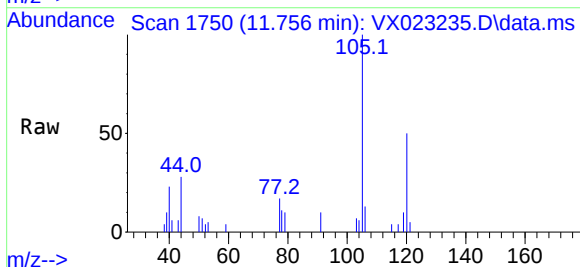
Manual Integrations
APPROVED

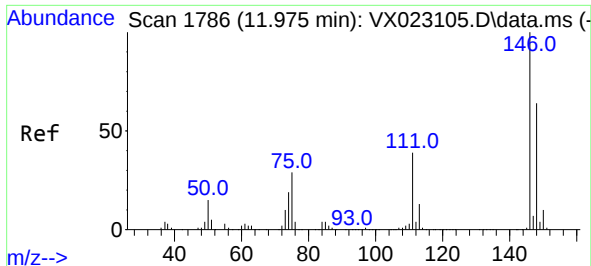
MMDadoda
7/13/2021 6:53:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 0.203 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion: 105 Resp: 2080
Ion Ratio Lower Upper
105 100
120 42.4 22.4 67.3





#87

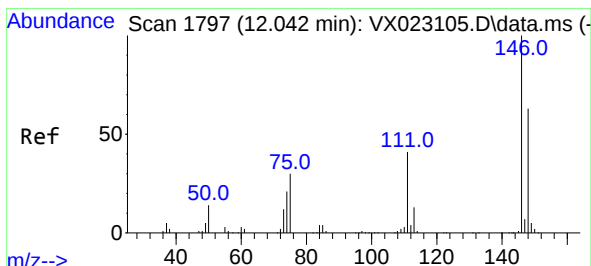
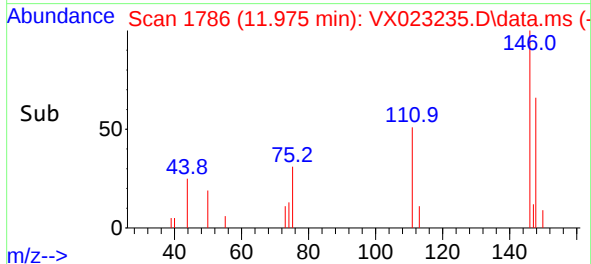
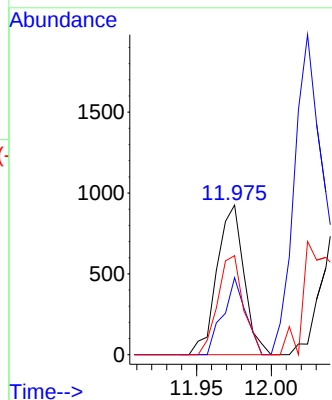
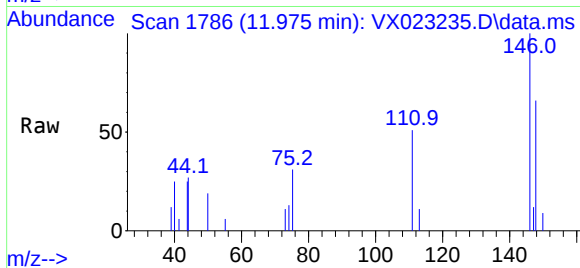
1,3-Dichlorobenzene
Concen: 0.206 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:146 Resp: 1163
Ion Ratio Lower Upper
146 100
111 42.9 20.2 60.5
148 62.7 31.9 95.7

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations
APPROVED

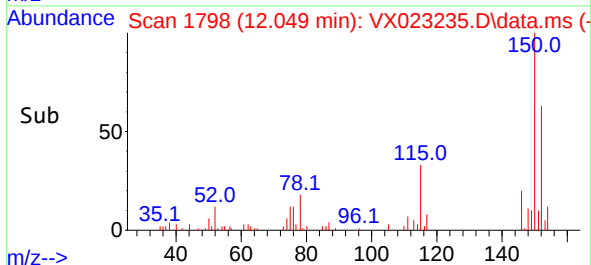
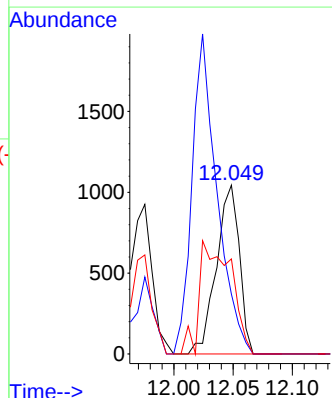
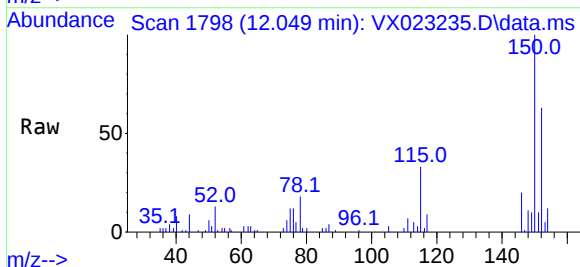
MMDadoda
7/13/2021 6:53:49 PM

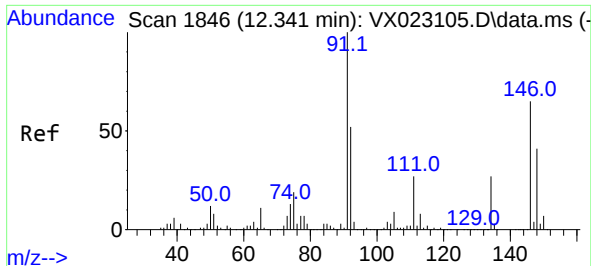


#88

1,4-Dichlorobenzene
Concen: 0.248 ug/l m
RT: 12.049 min Scan# 1798
Delta R.T. 0.007 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:146 Resp: 1408
Ion Ratio Lower Upper
146 100
111 35.4 19.6 58.8
148 51.8 31.6 95.0





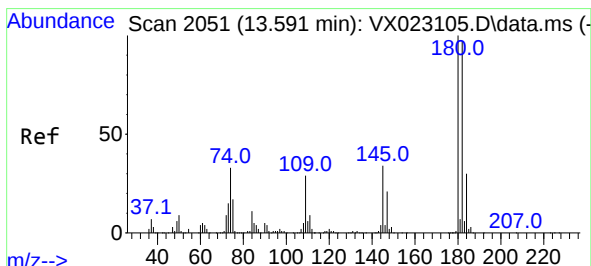
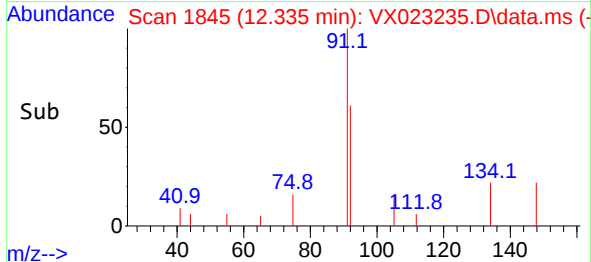
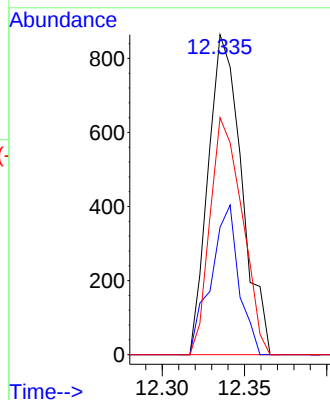
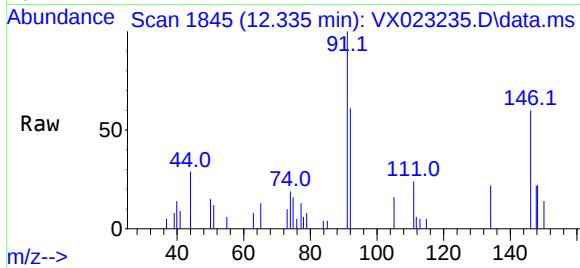
#91
1,2-Dichlorobenzene
Concen: 0.218 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:	146	Resp:	1222
Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.8	62.2
148	71.4	31.9	95.5

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2021DL

Manual Integrations
APPROVED

MMDadoda
7/13/2021 6:53:49 PM



#93
1,2,4-Trichlorobenzene
Concen: 0.200 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX023235.D
Acq: 12 Jul 2021 12:28

Tgt Ion:	180	Resp:	693
Ion	Ratio	Lower	Upper
180	100		
182	113.1	47.7	143.1
145	21.9	15.0	45.0

