

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073815.D
 Acq On : 07 Jul 2022 18:28
 Operator : VA/SY
 Sample : N3593-06
 Misc : 5.91G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220484C-2C

Quant Time: Jul 08 06:34:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 08 05:39:57 2022
 Response via : Initial Calibration

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

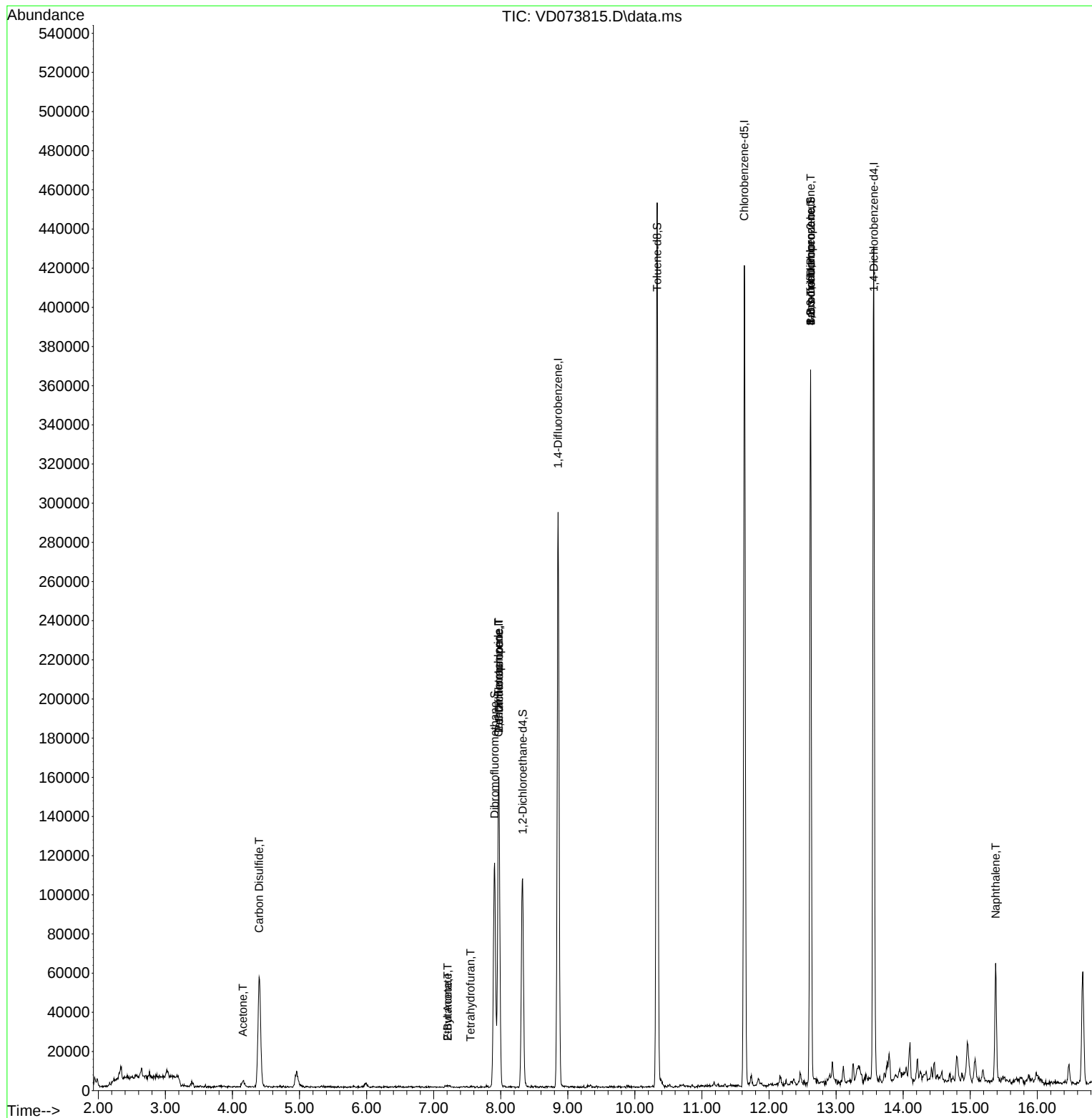
Internal Standards						
1) Pentafluorobenzene	7.973	168	102961	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	233029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	223436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	98879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	87025	68.696	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 137.400%	
35) Dibromofluoromethane	7.908	113	79759	55.782	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.560%	
50) Toluene-d8	10.332	98	300512	62.041	ug/l	0.00
Spiked Amount	50.000	Range	78 - 12	Recovery	= 124.080%#	
62) 4-Bromofluorobenzene	12.620	95	108374	54.432	ug/l	0.00
Spiked Amount	50.000	Range	50 - 14	Recovery	= 108.860%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	71	Below Cal	#	42
3) Chloromethane	2.203	50	343	Below Cal	#	40
4) Vinyl Chloride	2.338	62	77	Below Cal	#	45
5) Bromomethane	2.779	94	877	Below Cal		88
16) Acetone	4.156	43	6159	5.527	ug/l #	90
17) Carbon Disulfide	4.397	76	117369	111.206	ug/l	99
18) Methyl Acetate	4.709	43	179	Below Cal	#	53
20) Methylene Chloride	4.950	84	5268	Below Cal		93
25) 2-Butanone	7.208	43	1964	4.719	ug/l #	52
29) Tetrahydrofuran	7.550	42	404	1.645	ug/l #	33
31) Cyclohexane	7.961	56	3429	Below Cal	#	11
36) 1,1-Dichloropropene	7.973	75	10849	5.931	ug/l #	51
37) Ethyl Acetate	7.208	43	1964	1.800	ug/l #	70
38) Carbon Tetrachloride	7.967	117	12855	6.181	ug/l #	13
71) Bromoform	12.620	173	1019	1.208	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	62115	57.698	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	62115	128.902	ug/l #	11
95) Naphthalene	15.379	128	47329	12.449	ug/l	98

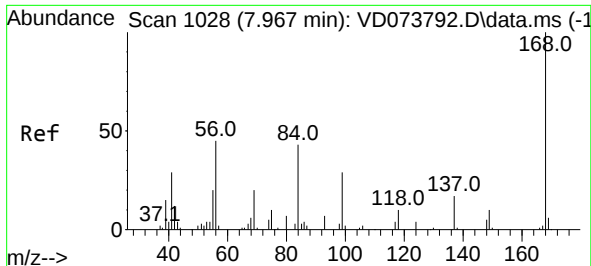
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
Data File : VD073815.D
Acq On : 07 Jul 2022 18:28
Operator : VA/SY
Sample : N3593-06
Misc : 5.91G/5.00ml/MSVOA_D/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

Quant Time: Jul 08 06:34:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070622S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 08 05:39:57 2022
Response via : Initial Calibration

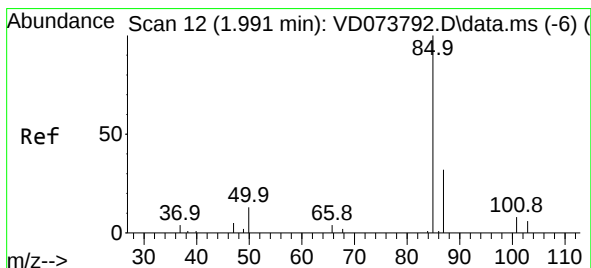
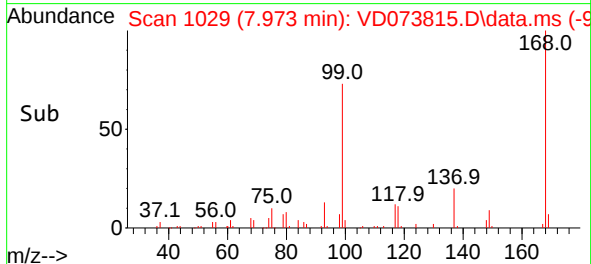
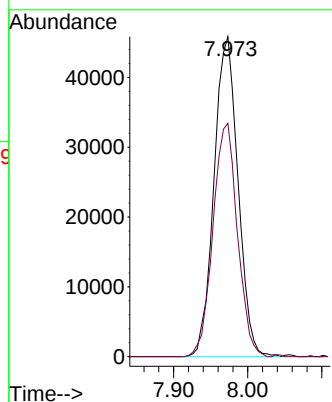
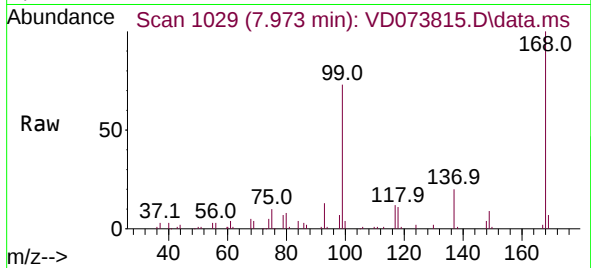




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

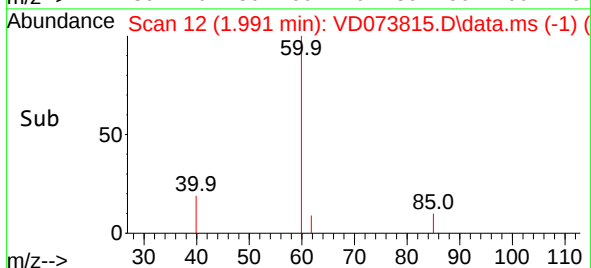
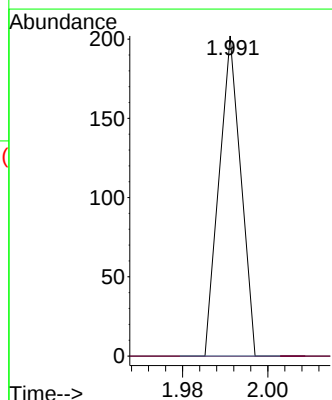
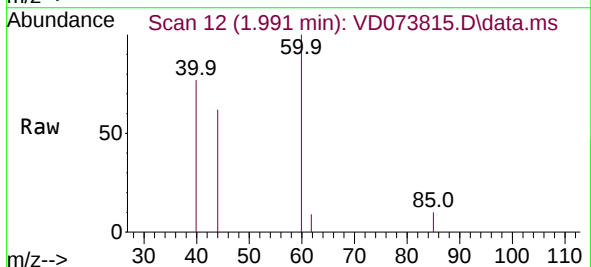
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

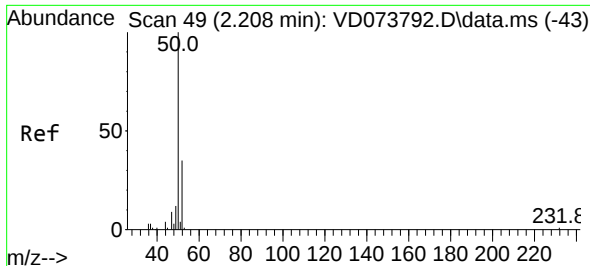
Tgt Ion:168 Resp: 102961
Ion Ratio Lower Upper
168 100
99 72.9 58.4 87.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.5#

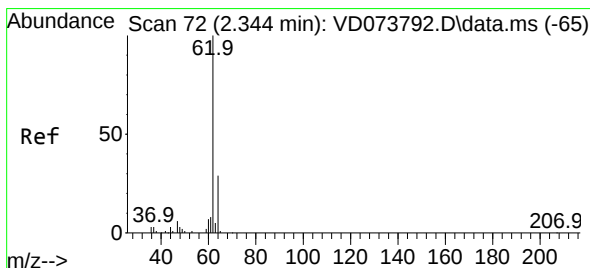
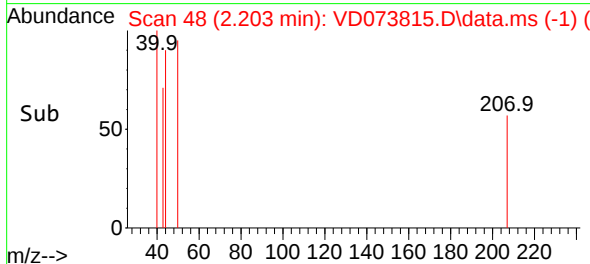
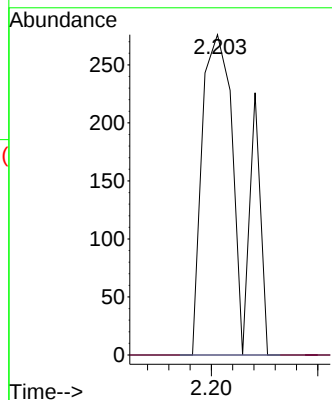
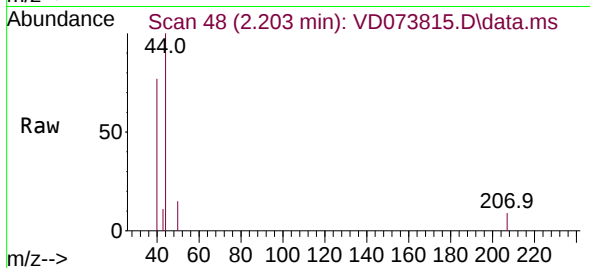




#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

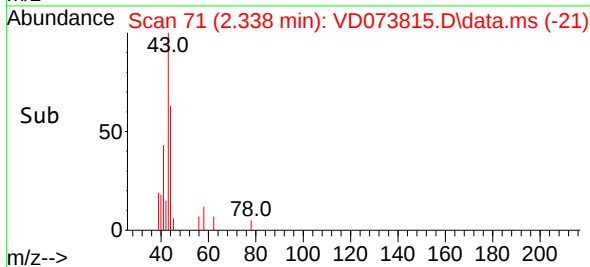
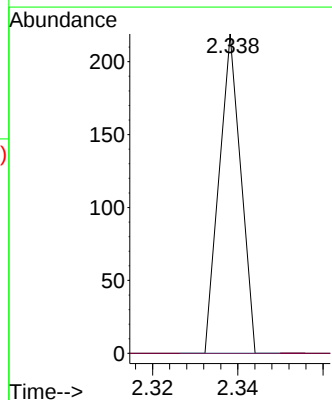
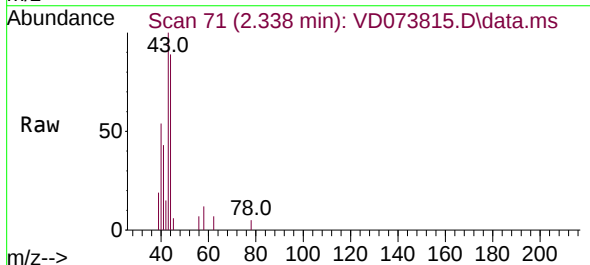
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

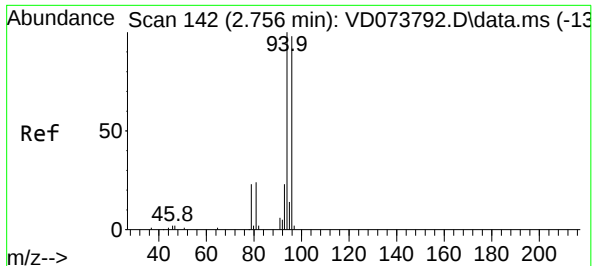
Tgt Ion: 50 Resp: 343
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.338 min Scan# 71
Delta R.T. -0.006 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 62 Resp: 77
Ion Ratio Lower Upper
62 100
64 0.0 23.4 35.2#

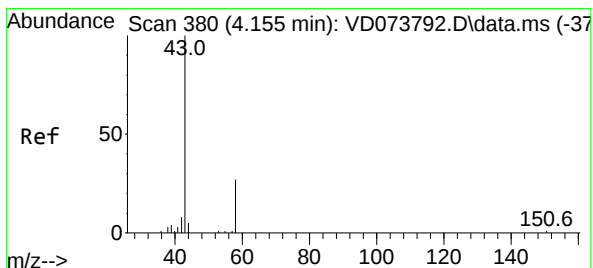
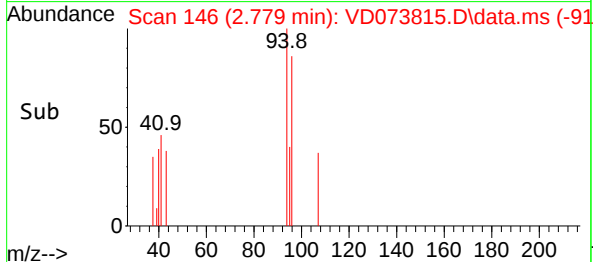
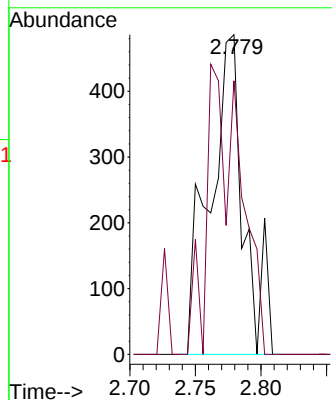
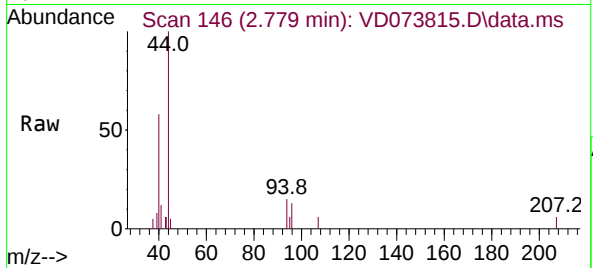




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 142
Delta R.T. 0.023 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

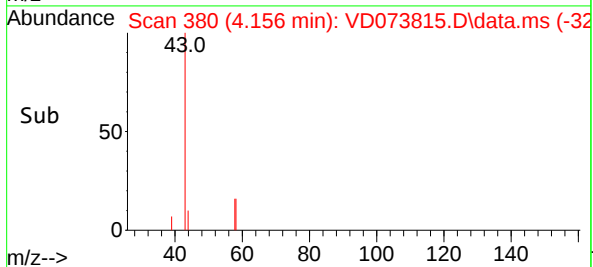
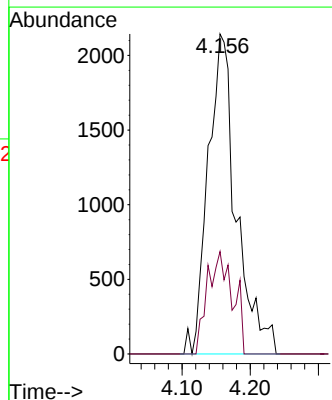
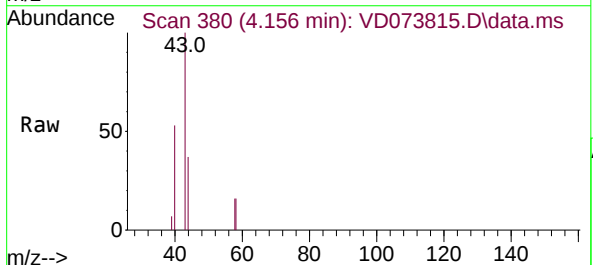
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

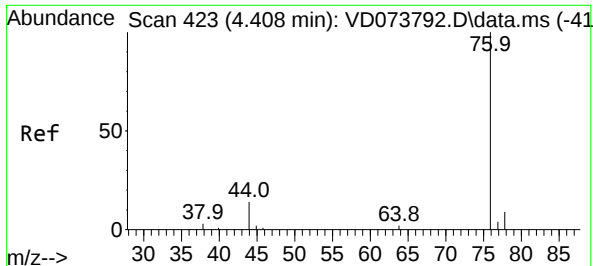
Tgt Ion: 94 Resp: 877
Ion Ratio Lower Upper
94 100
96 85.6 78.3 117.5



#16
Acetone
Concen: 5.527 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 43 Resp: 6159
Ion Ratio Lower Upper
43 100
58 32.0 21.3 31.9#

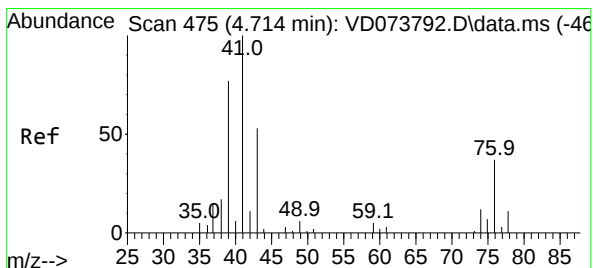
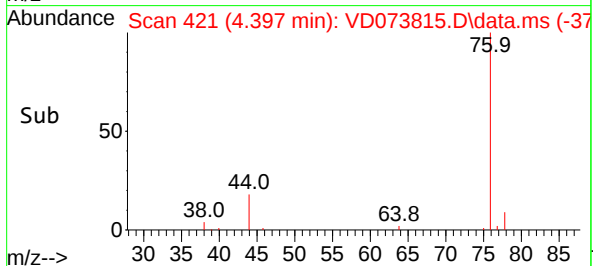
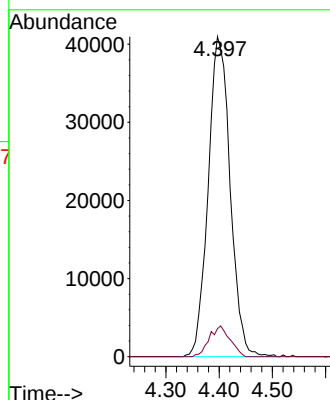
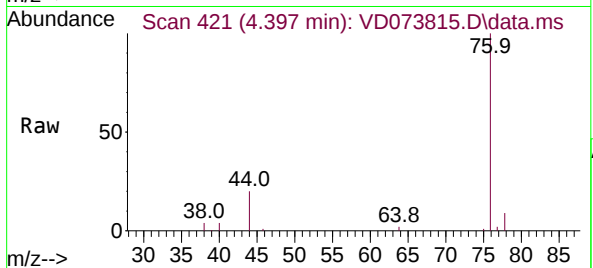




#17
Carbon Disulfide
Concen: 111.206 ug/l
RT: 4.397 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

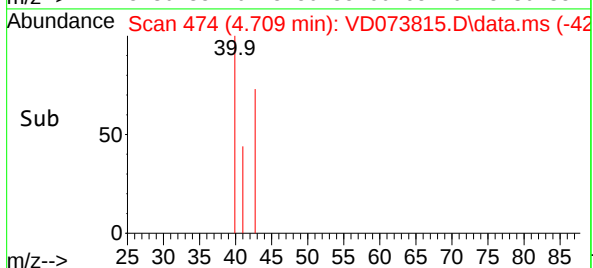
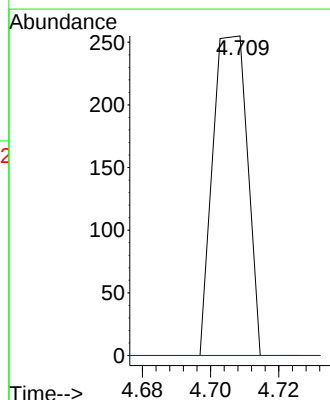
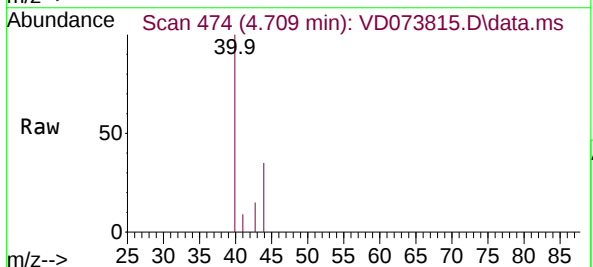
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

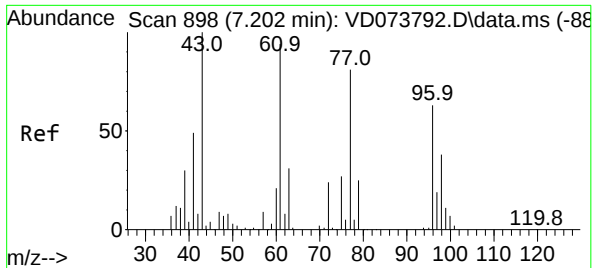
Tgt Ion: 76 Resp: 117369
Ion Ratio Lower Upper
76 100
78 8.8 6.8 10.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.709 min Scan# 474
Delta R.T. -0.005 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 43 Resp: 179
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#

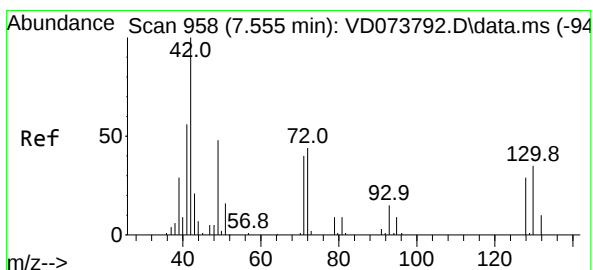
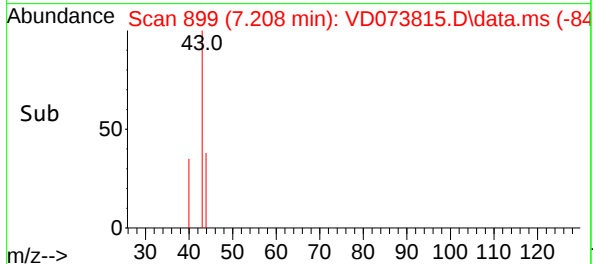
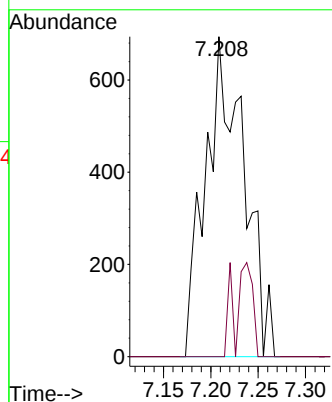
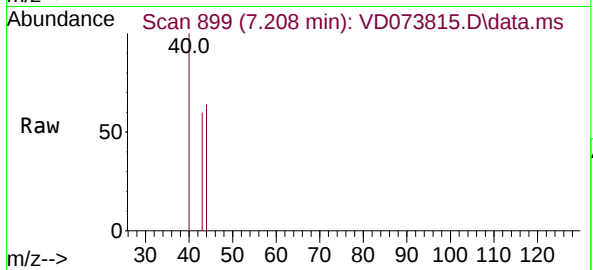




#25
2-Butanone
Concen: 4.719 ug/l
RT: 7.208 min Scan# 898
Delta R.T. 0.006 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

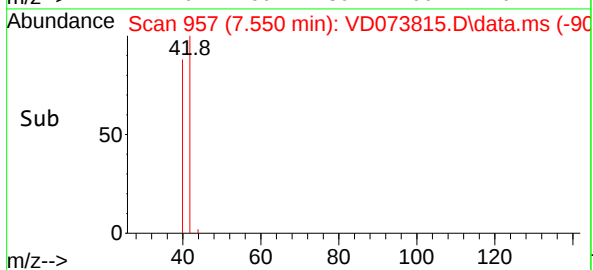
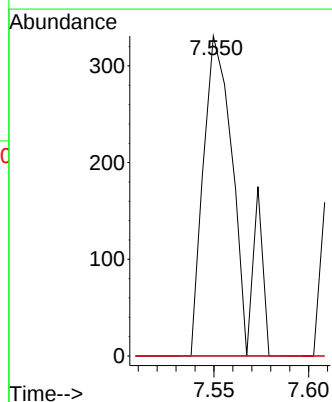
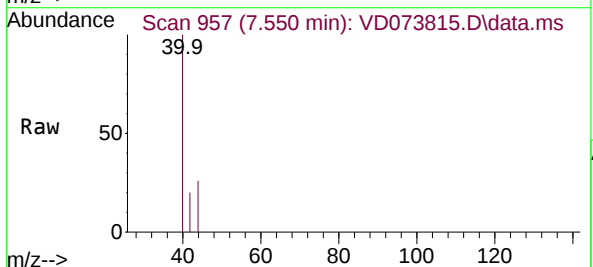
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

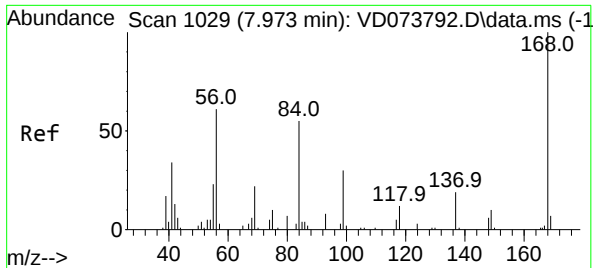
Tgt Ion: 43 Resp: 1964
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#29
Tetrahydrofuran
Concen: 1.645 ug/l
RT: 7.550 min Scan# 957
Delta R.T. -0.006 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

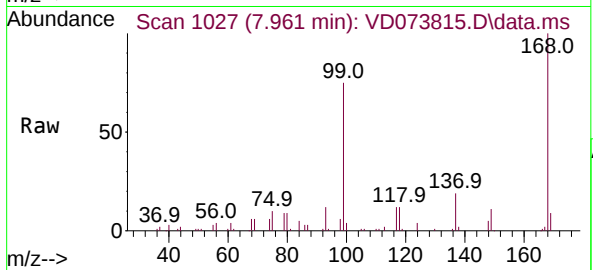
Tgt Ion: 42 Resp: 404
Ion Ratio Lower Upper
42 100
72 0.0 34.6 52.0#
71 0.0 33.0 49.6#



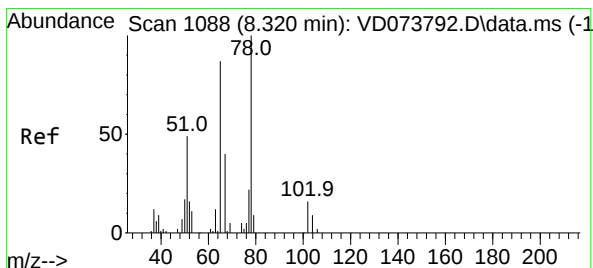
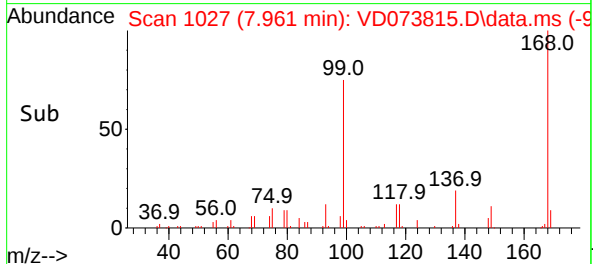
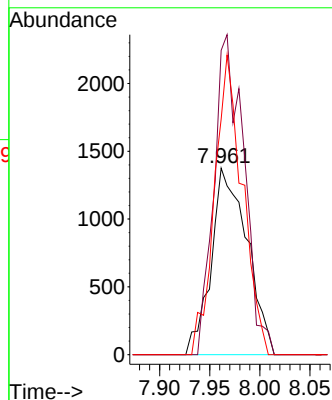


#31
Cyclohexane
Concen: Below Cal
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

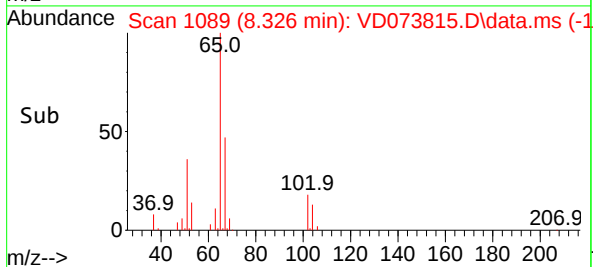
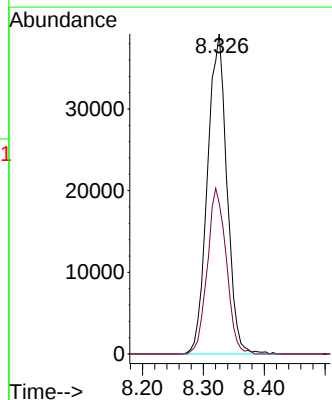
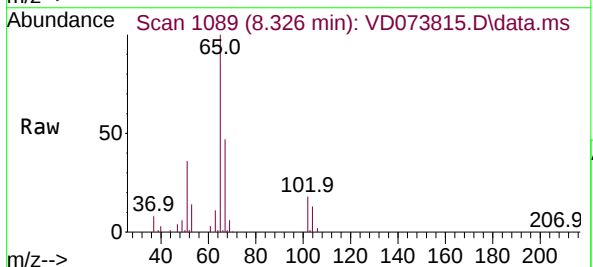


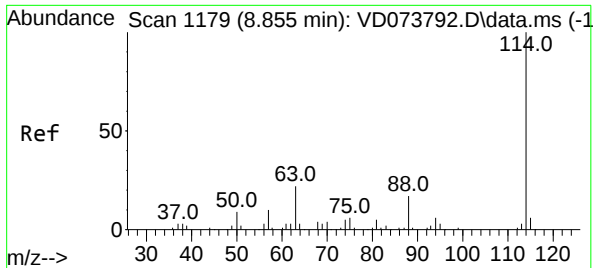
Tgt Ion: 56 Resp: 3429
Ion Ratio Lower Upper
56 100
69 163.1 29.4 44.2#
84 126.2 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 68.696 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.006 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 65 Resp: 87025
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073815.D

Acq: 07 Jul 2022 18:28

Instrument :

MSVOA_D

ClientSampleId :

20220484C-2C

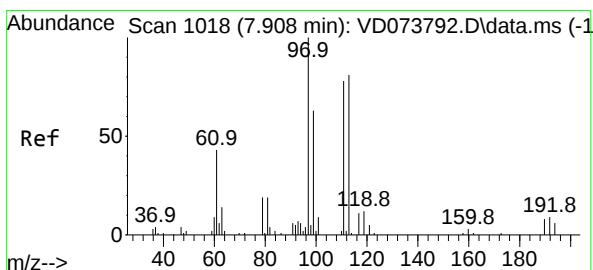
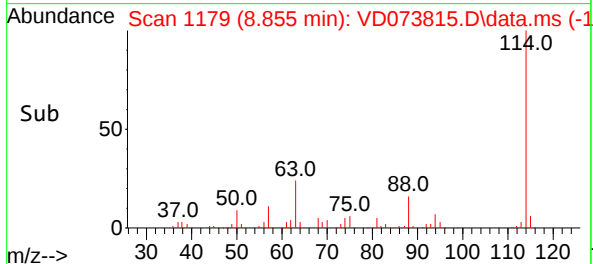
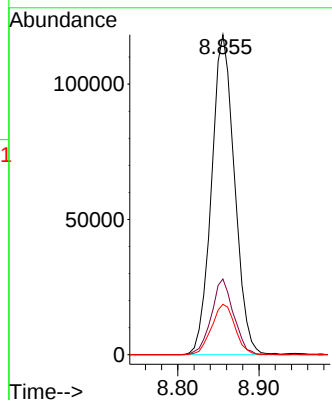
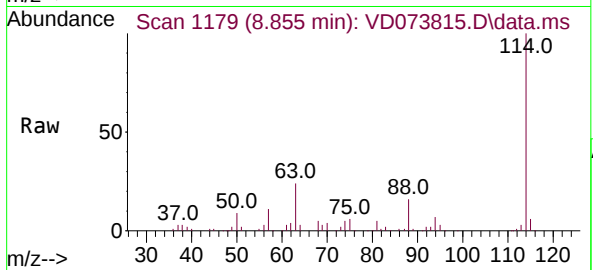
Tgt Ion:114 Resp: 233029

Ion Ratio Lower Upper

114 100

63 23.7 0.0 44.2

88 15.8 0.0 33.6



#35

Dibromofluoromethane

Concen: 55.782 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073815.D

Acq: 07 Jul 2022 18:28

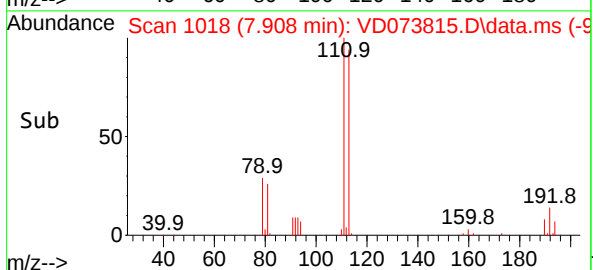
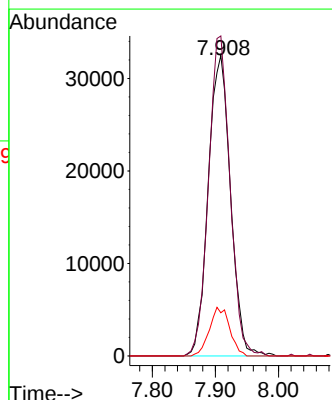
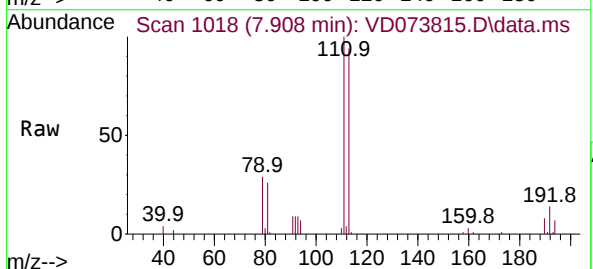
Tgt Ion:113 Resp: 79759

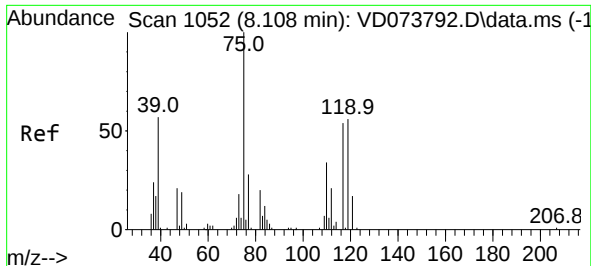
Ion Ratio Lower Upper

113 100

111 102.4 82.7 124.1

192 14.8 11.7 17.5





#36

1,1-Dichloropropene

Concen: 5.931 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.135 min

Lab File: VD073815.D

Acq: 07 Jul 2022 18:28

Instrument :

MSVOA_D

ClientSampleId :

20220484C-2C

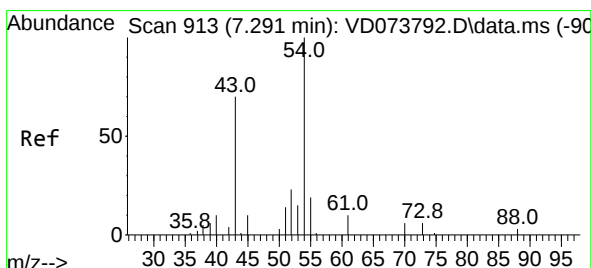
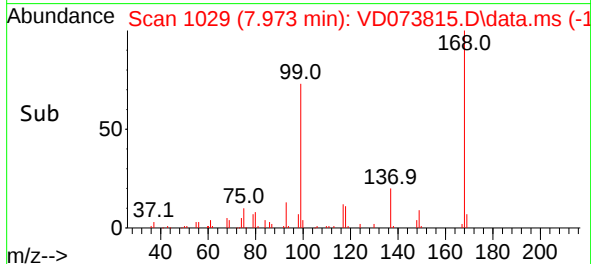
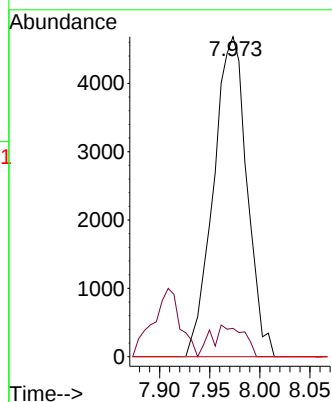
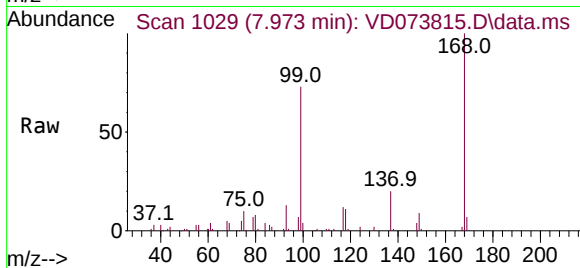
Tgt Ion: 75 Resp: 10849

Ion Ratio Lower Upper

75 100

110 9.5 16.9 50.7#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.800 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD073815.D

Acq: 07 Jul 2022 18:28

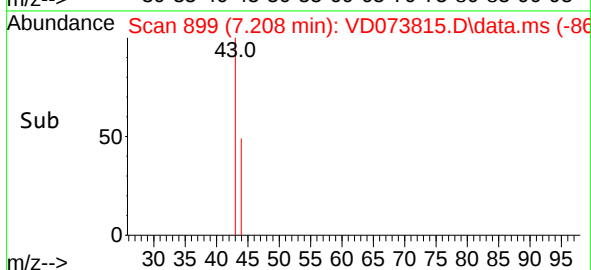
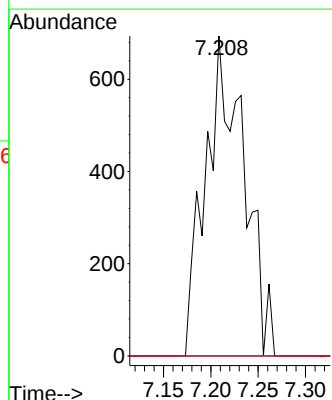
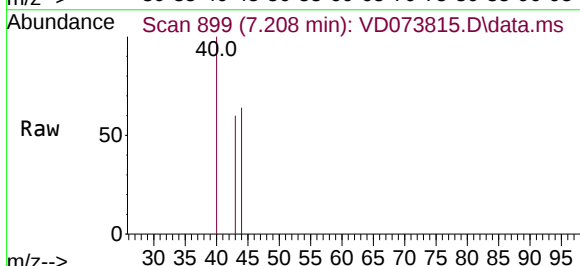
Tgt Ion: 43 Resp: 1964

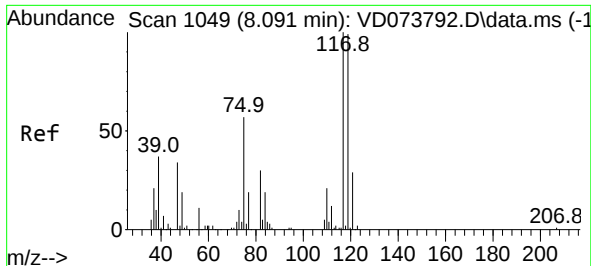
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#

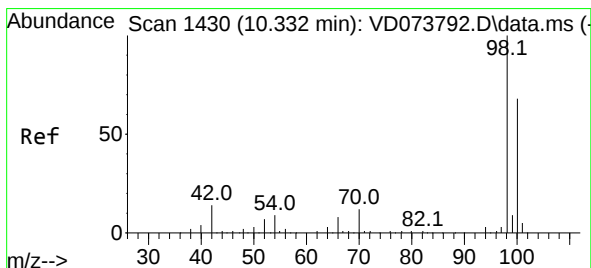
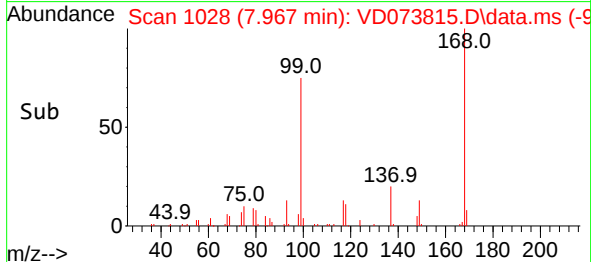
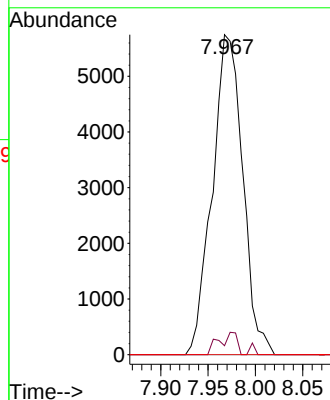
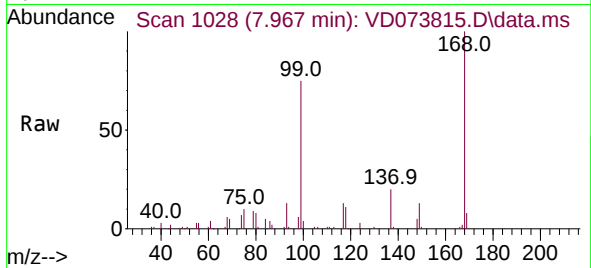




#38
Carbon Tetrachloride
Concen: 6.181 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

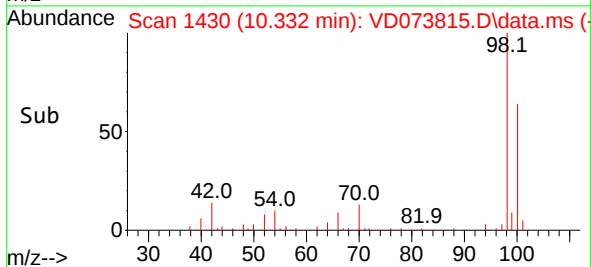
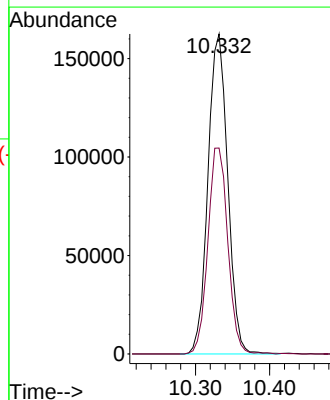
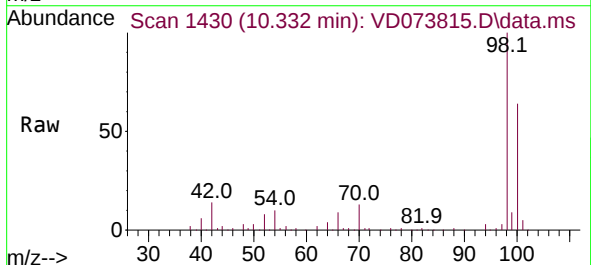
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

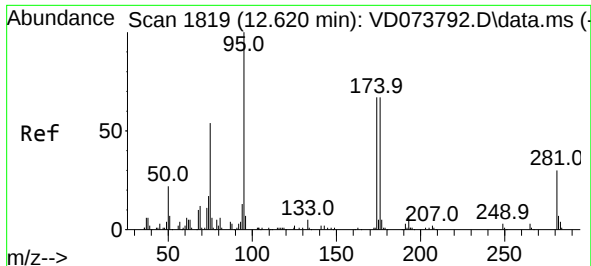
Tgt Ion:117 Resp: 12855
Ion Ratio Lower Upper
117 100
119 2.8 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 62.041 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 98 Resp: 300512
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

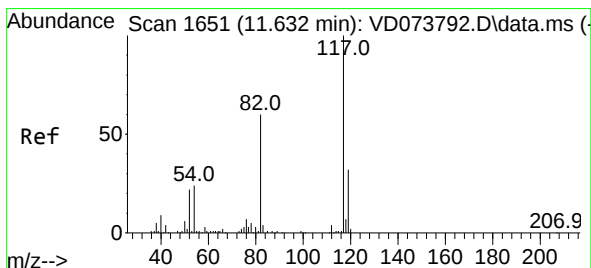
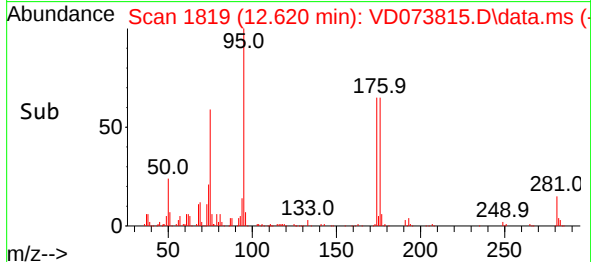
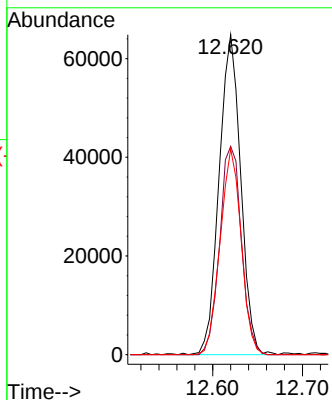
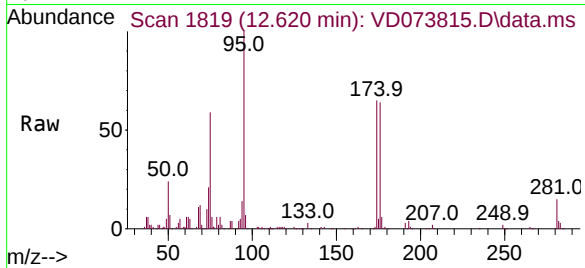




#62
4-Bromofluorobenzene
Concen: 54.432 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

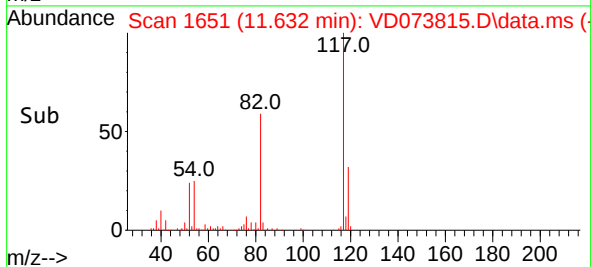
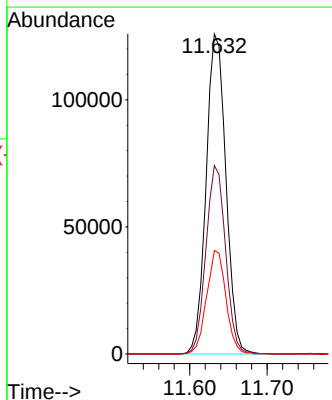
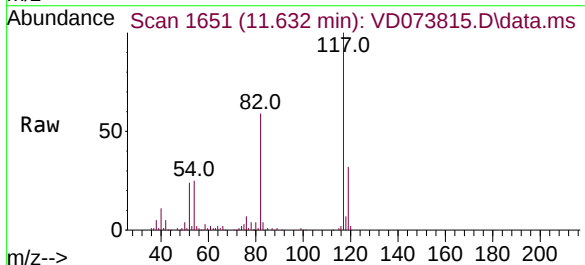
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

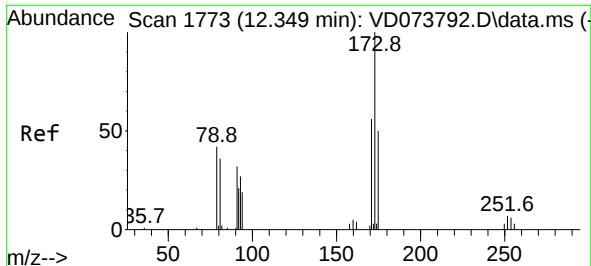
Tgt Ion: 95 Resp: 108374
Ion Ratio Lower Upper
95 100
174 65.5 0.0 132.4
176 62.6 0.0 129.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.000 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion: 117 Resp: 223436
Ion Ratio Lower Upper
117 100
82 58.9 48.2 72.2
119 32.3 25.2 37.8

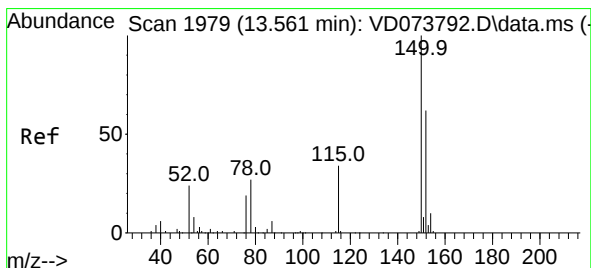
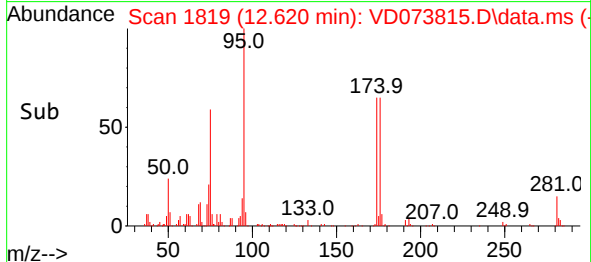
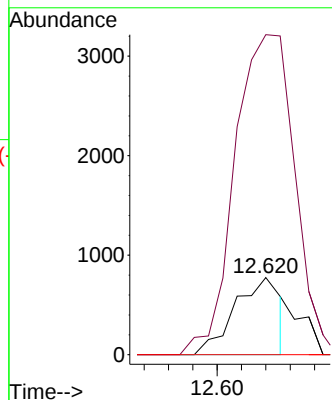
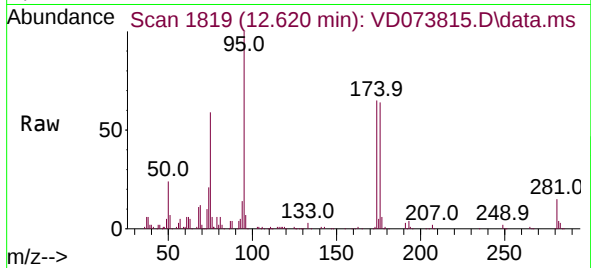




#71
Bromoform
Concen: 1.208 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

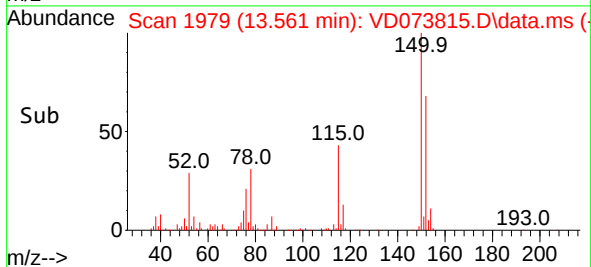
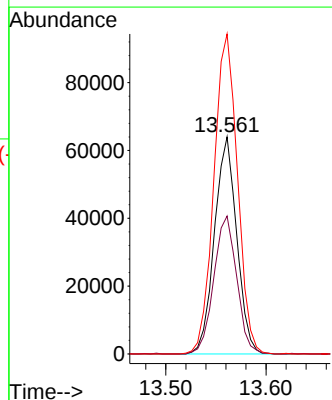
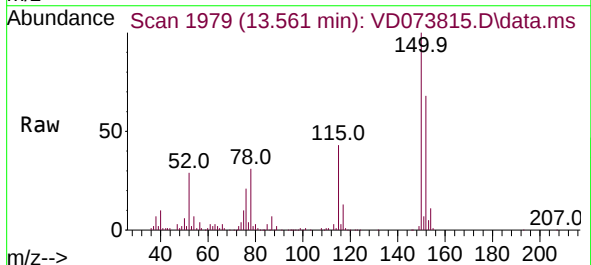
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

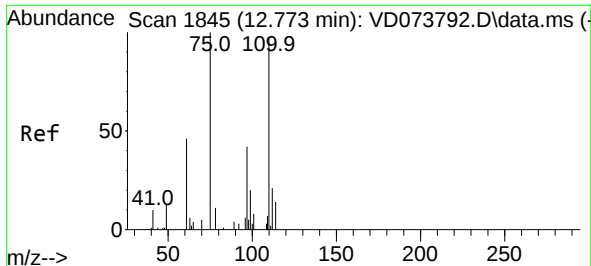
Tgt Ion:173 Resp: 1019
Ion Ratio Lower Upper
173 100
175 443.8 23.8 71.5#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Tgt Ion:152 Resp: 98879
Ion Ratio Lower Upper
152 100
115 65.3 32.2 96.6
150 155.6 0.0 353.0

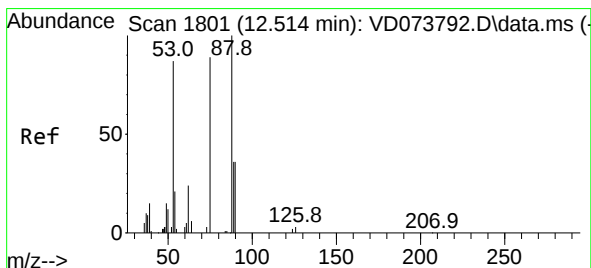
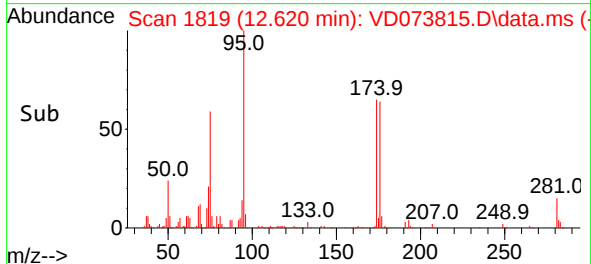
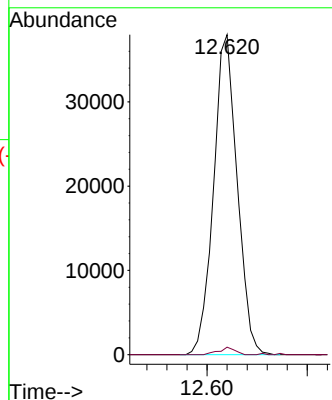
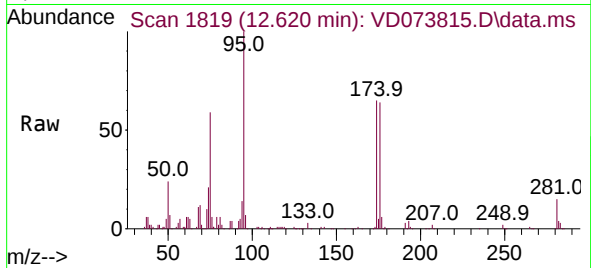




#76
1,2,3-Trichloropropane
Concen: 57.698 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

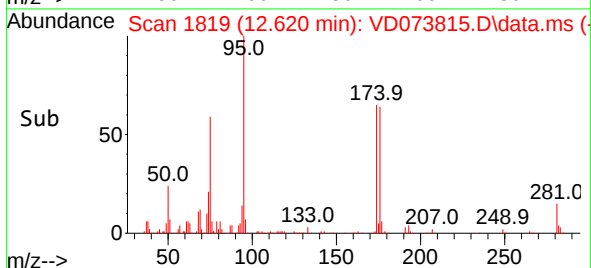
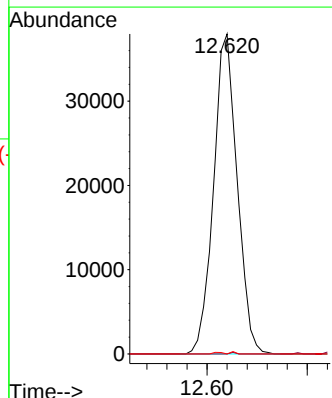
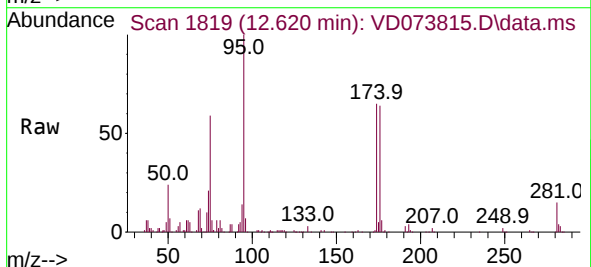
Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C

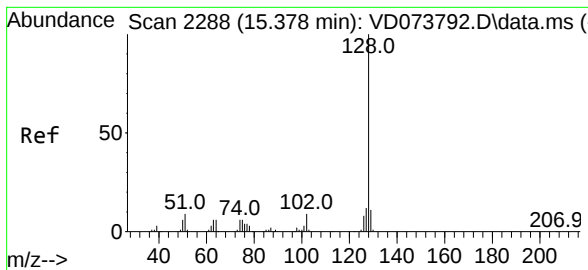
Tgt Ion: 75 Resp: 62115
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.902 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

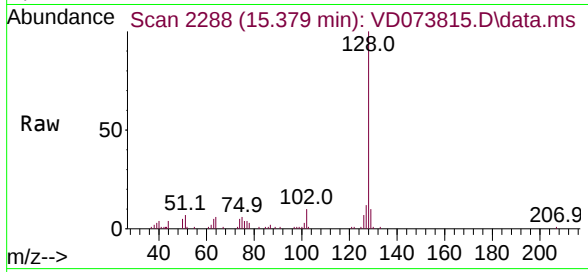
Tgt Ion: 75 Resp: 62115
Ion Ratio Lower Upper
75 100
53 0.1 77.6 116.4#
89 0.2 37.2 55.8#





#95
Naphthalene
Concen: 12.449 ug/l
RT: 15.379 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD073815.D
Acq: 07 Jul 2022 18:28

Instrument :
MSVOA_D
ClientSampleId :
20220484C-2C



Tgt Ion:	128	Resp:	47329
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	11.6	8.8	13.2

