

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070722\
 Data File : VD073816.D
 Acq On : 07 Jul 2022 18:58
 Operator : VA/SY
 Sample : N3593-09
 Misc : 5.22G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20220485C-3C

Quant Time: Jul 08 06:35:17 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)

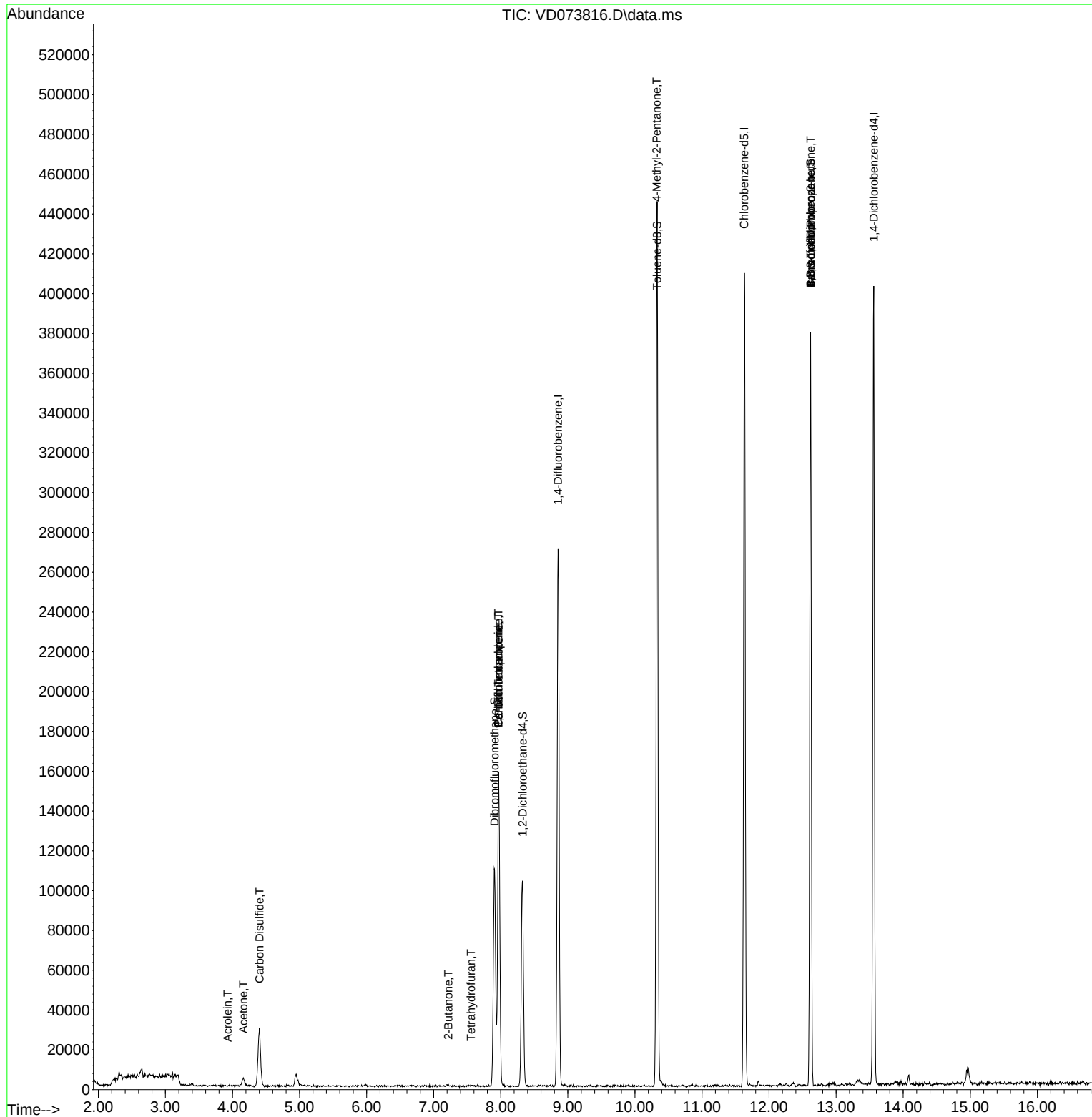
Internal Standards						
1) Pentafluorobenzene	7.967	168	98968	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	225596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	215913	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	94938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	83861	68.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.740%			
35) Dibromofluoromethane	7.908	113	77317	55.856	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.720%			
50) Toluene-d8	10.332	98	288748	61.577	ug/l	0.00
Spiked Amount 50.000	Range 78 - 12		Recovery = 123.160%#			
62) 4-Bromofluorobenzene	12.620	95	104987	54.468	ug/l	0.00
Spiked Amount 50.000	Range 50 - 14		Recovery = 108.940%#			
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	234	Below Cal	#	40
5) Bromomethane	2.762	94	514	Below Cal		82
13) Acrolein	3.926	56	59	21.507	ug/l #	15
16) Acetone	4.162	43	7169	11.794	ug/l	99
17) Carbon Disulfide	4.403	76	56289	52.005	ug/l #	91
18) Methyl Acetate	4.726	43	55	Below Cal	#	53
20) Methylene Chloride	4.950	84	4314	Below Cal	#	76
25) 2-Butanone	7.220	43	1756	4.390	ug/l #	52
29) Tetrahydrofuran	7.556	42	618	2.617	ug/l #	42
31) Cyclohexane	7.967	56	3480	Below Cal	#	49
36) 1,1-Dichloropropene	7.967	75	10108	5.708	ug/l #	50
38) Carbon Tetrachloride	7.967	117	12978	6.446	ug/l #	14
51) 4-Methyl-2-Pentanone	10.326	43	1553	1.397	ug/l #	1
71) Bromoform	12.620	173	923	1.132	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	60507	58.537	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	60507	130.777	ug/l #	11

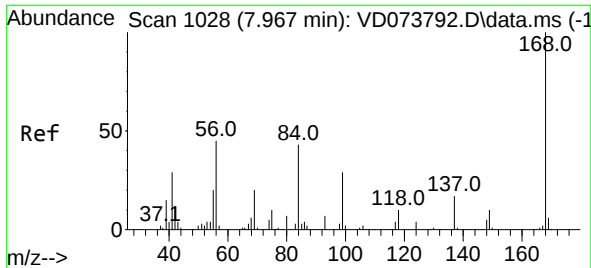
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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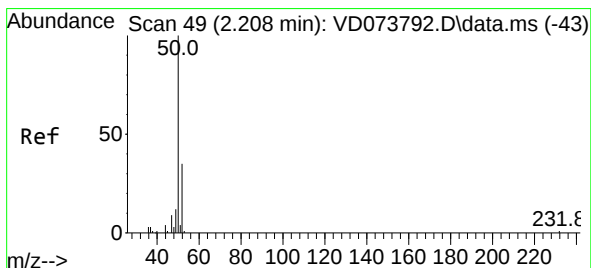
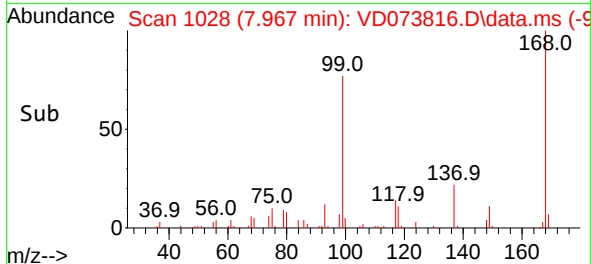
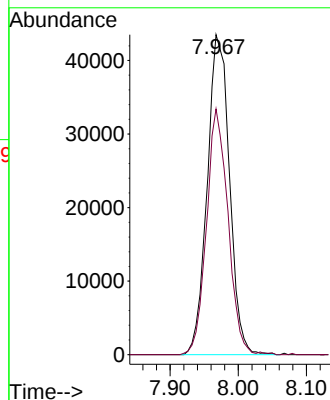
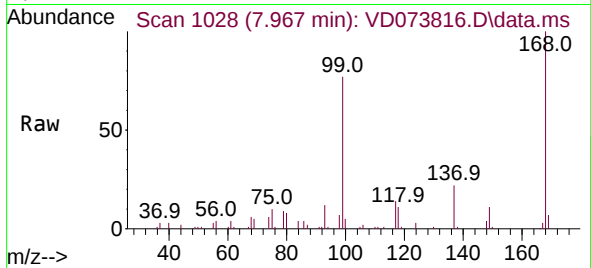




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. 0.000 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

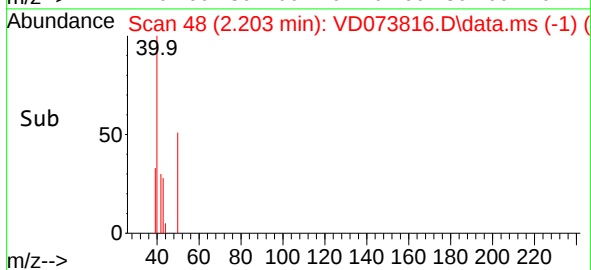
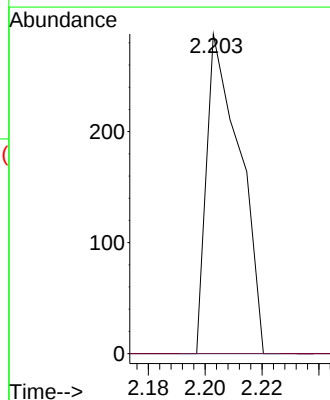
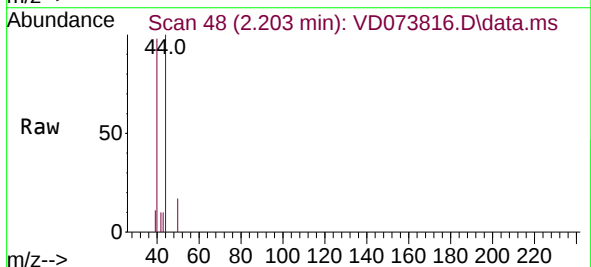
Instrument :
MSVOA_D
ClientSampleId :
20220485C-3C

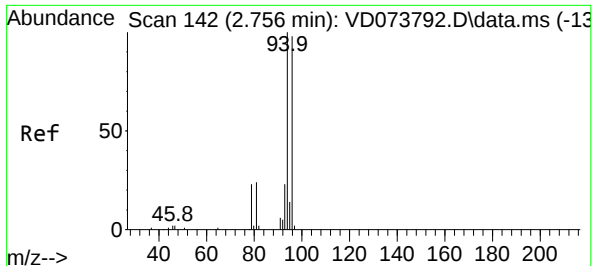
Tgt Ion:168 Resp: 98968
Ion Ratio Lower Upper
168 100
99 76.8 58.4 87.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.005 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

Tgt Ion: 50 Resp: 234
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

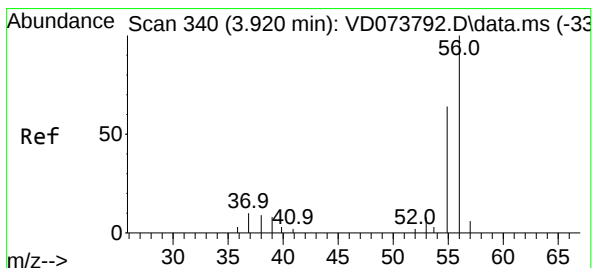
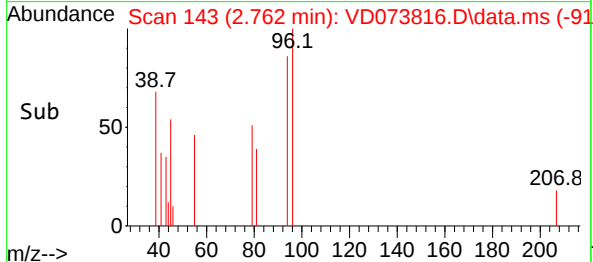
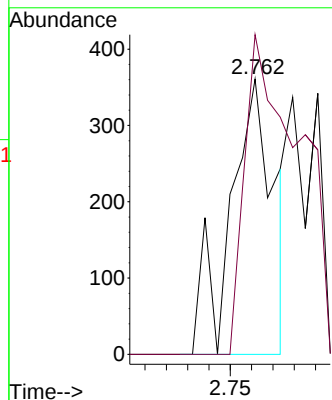
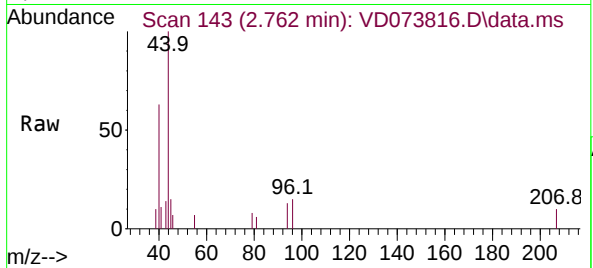




#5
Bromomethane
Concen: Below Cal
RT: 2.762 min Scan# 14
Delta R.T. 0.006 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

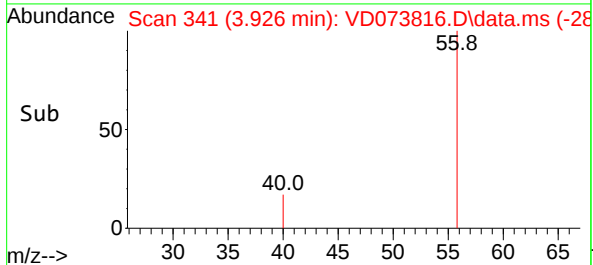
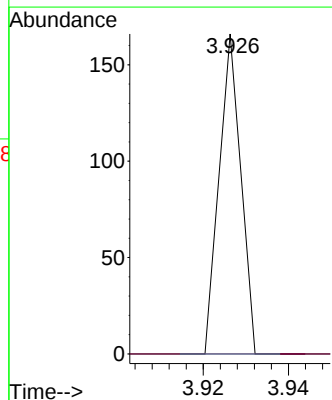
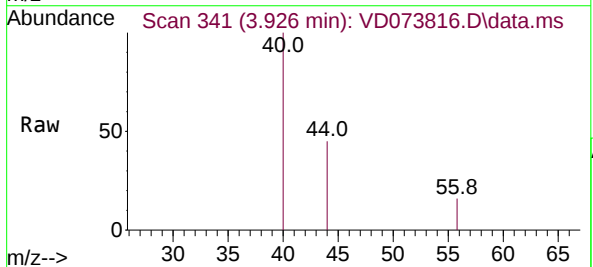
Instrument :
MSVOA_D
ClientSampleId :
20220485C-3C

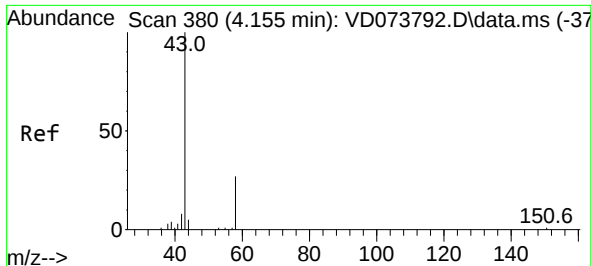
Tgt Ion: 94 Resp: 514
Ion Ratio Lower Upper
94 100
96 116.1 78.3 117.5



#13
Acrolein
Concen: 21.507 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#

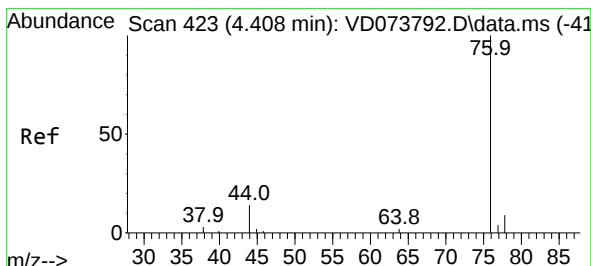
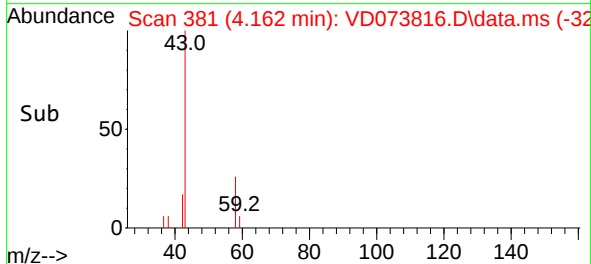
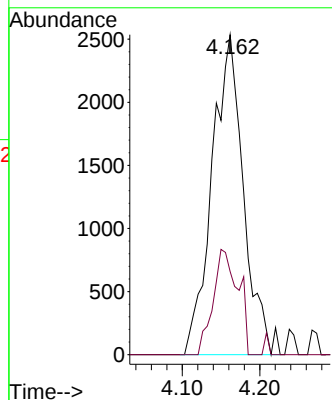
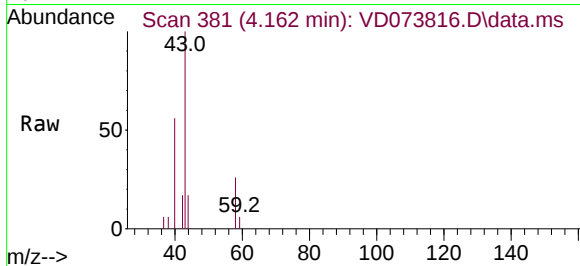




#16
Acetone
Concen: 11.794 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.007 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

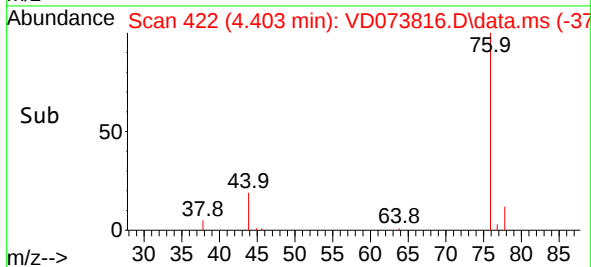
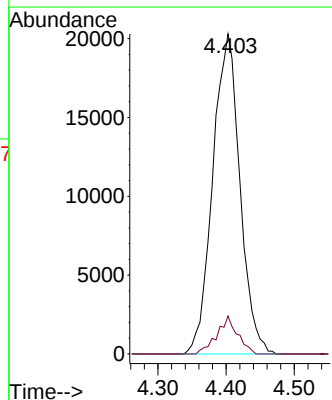
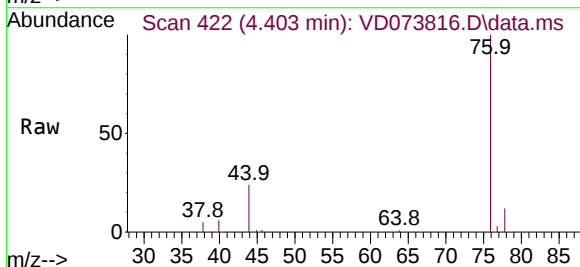
Instrument :
MSVOA_D
ClientSampleId :
20220485C-3C

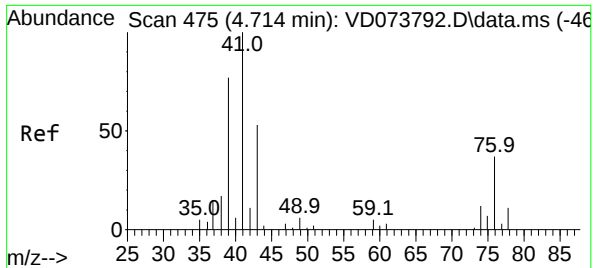
Tgt Ion: 43 Resp: 7169
Ion Ratio Lower Upper
43 100
58 26.0 21.3 31.9



#17
Carbon Disulfide
Concen: 52.005 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.005 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

Tgt Ion: 76 Resp: 56289
Ion Ratio Lower Upper
76 100
78 11.8 6.8 10.2#

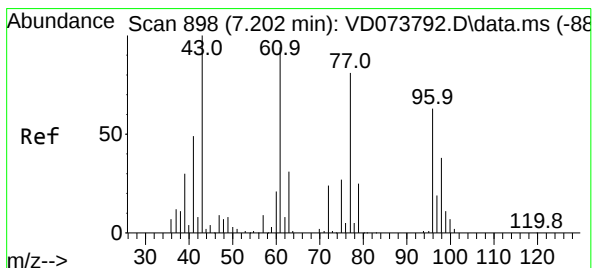
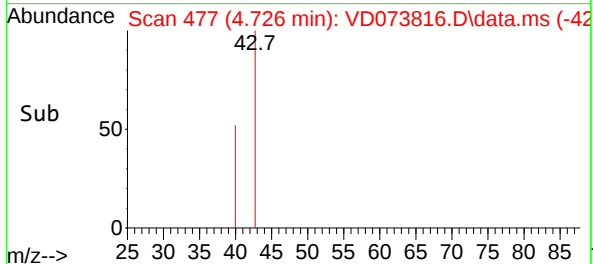
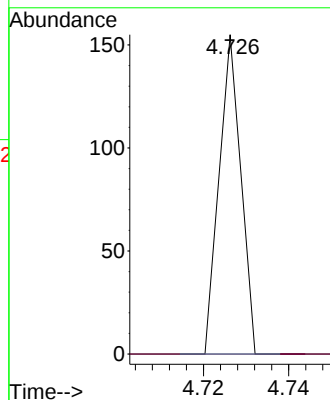
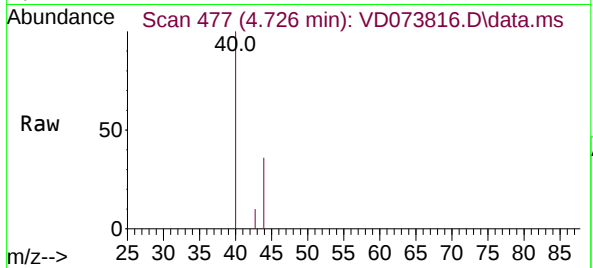




#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 41
Delta R.T. 0.012 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

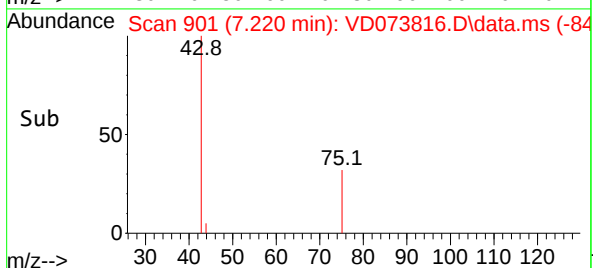
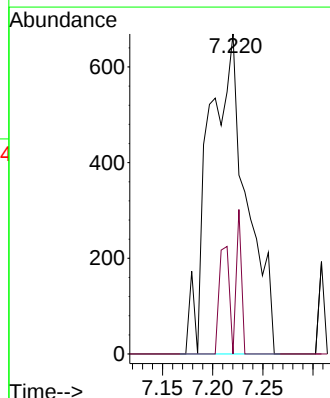
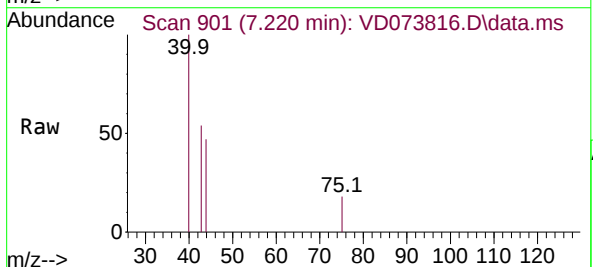
Instrument :
MSVOA_D
ClientSampleId :
20220485C-3C

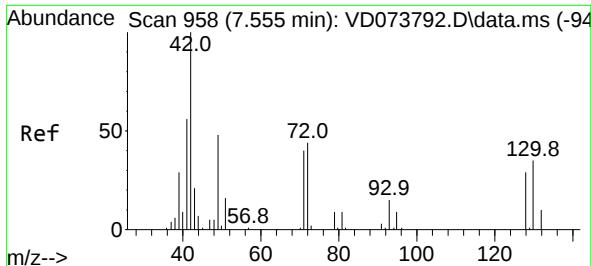
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#25
2-Butanone
Concen: 4.390 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.018 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

Tgt Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#





#29

Tetrahydrofuran

Concen: 2.617 ug/l

RT: 7.556 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD073816.D

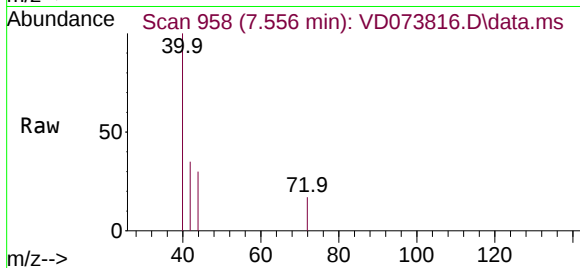
Acq: 07 Jul 2022 18:58

Instrument :

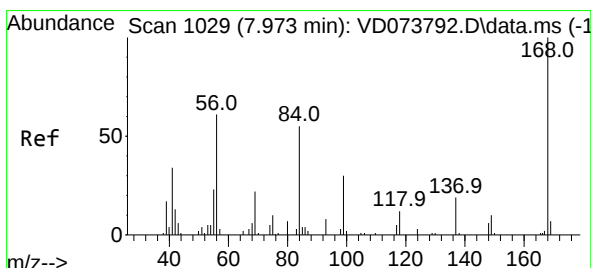
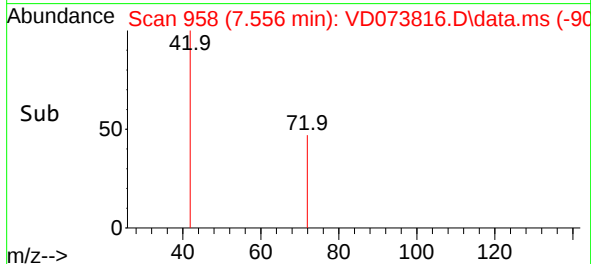
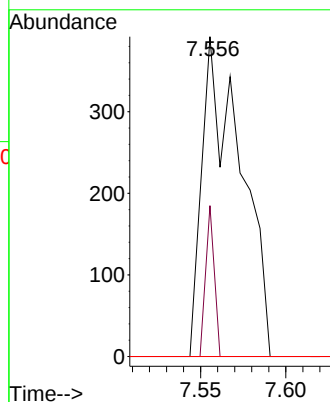
MSVOA_D

ClientSampleId :

20220485C-3C



Tgt Ion:	42	Resp:	618
Ion	Ratio	Lower	Upper
42	100		
72	10.5	34.6	52.0#
71	0.0	33.0	49.6#



#31

Cyclohexane

Concen: Below Cal

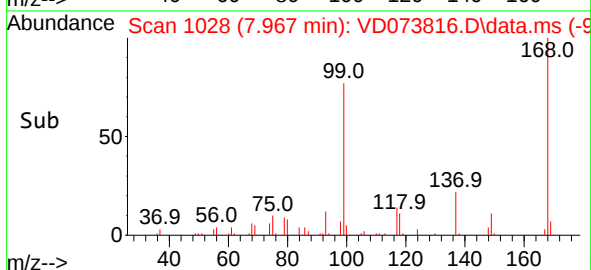
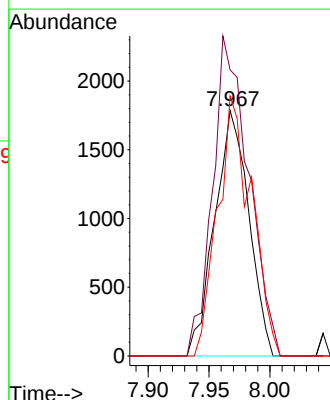
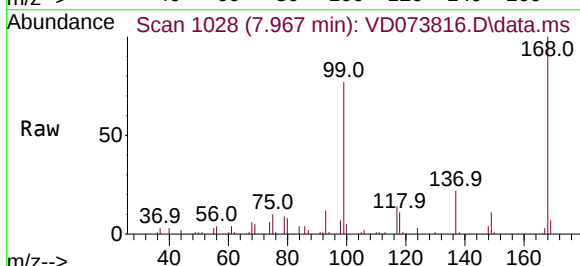
RT: 7.967 min Scan# 1028

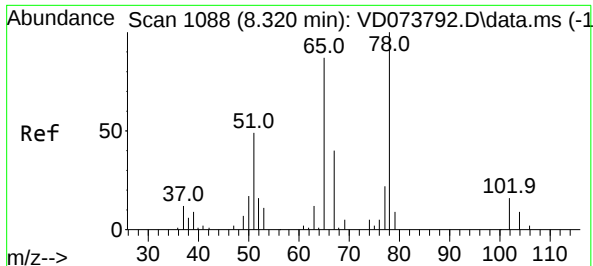
Delta R.T. -0.006 min

Lab File: VD073816.D

Acq: 07 Jul 2022 18:58

Tgt Ion:	56	Resp:	3480
Ion	Ratio	Lower	Upper
56	100		
69	116.6	29.4	44.2#
84	106.1	72.1	108.1





#33

1,2-Dichloroethane-d4

Concen: 68.869 ug/l

RT: 8.326 min Scan# 1088

Delta R.T. 0.006 min

Lab File: VD073816.D

Acq: 07 Jul 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

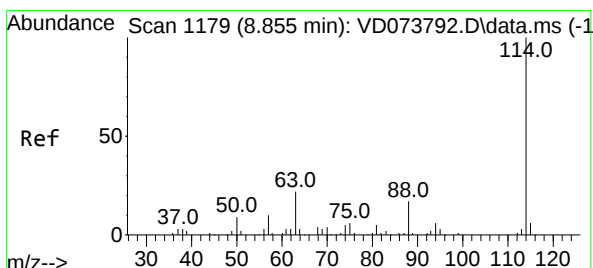
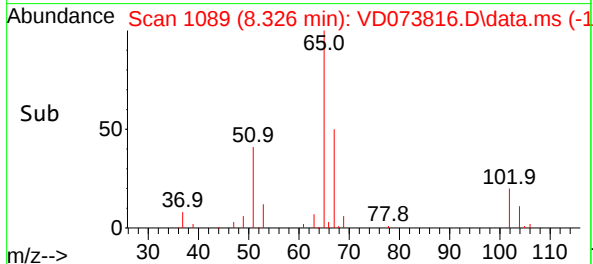
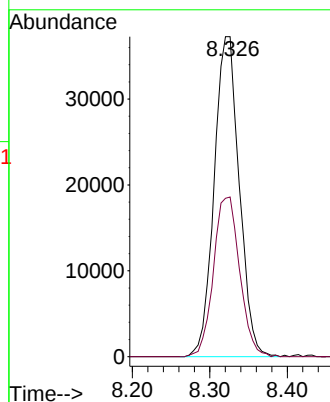
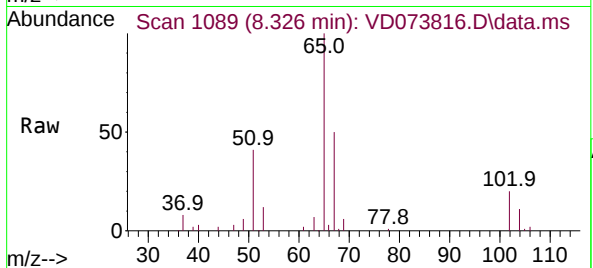
20220485C-3C

Tgt Ion: 65 Resp: 83861

Ion Ratio Lower Upper

65 100

67 52.1 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: VD073816.D

Acq: 07 Jul 2022 18:58

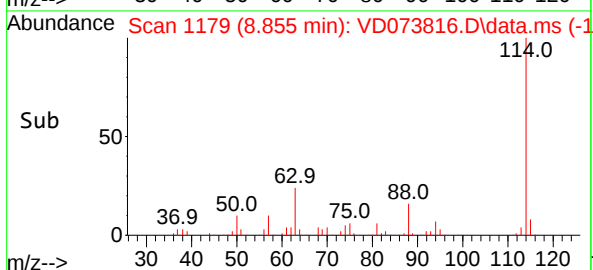
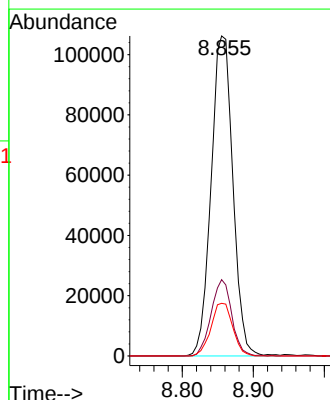
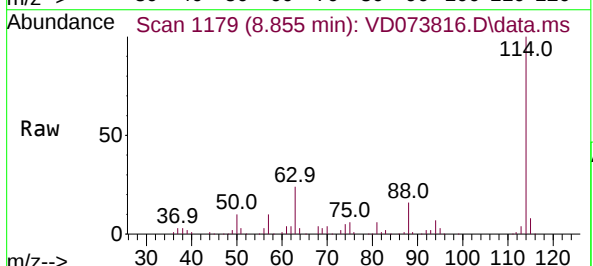
Tgt Ion: 114 Resp: 225596

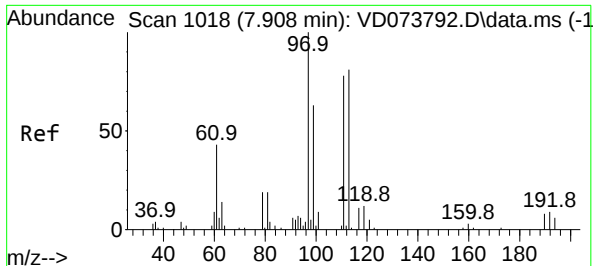
Ion Ratio Lower Upper

114 100

63 23.9 0.0 44.2

88 16.5 0.0 33.6





#35

Dibromofluoromethane

Concen: 55.856 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073816.D

Acq: 07 Jul 2022 18:58

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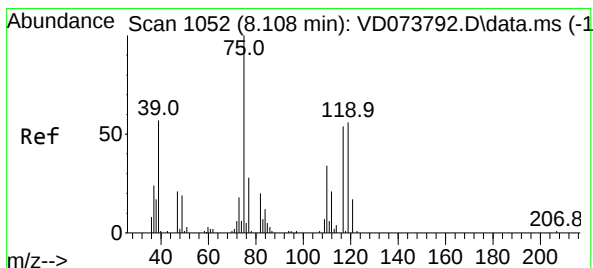
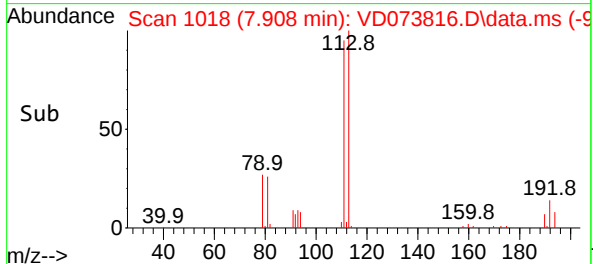
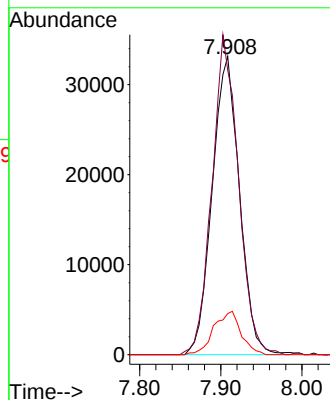
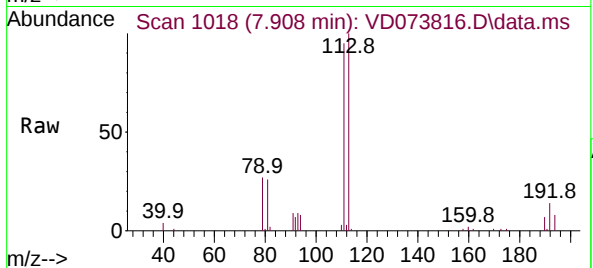
Tgt Ion:113 Resp: 77317

Ion Ratio Lower Upper

113 100

111 104.0 82.7 124.1

192 14.5 11.7 17.5



#36

1,1-Dichloropropene

Concen: 5.708 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073816.D

Acq: 07 Jul 2022 18:58

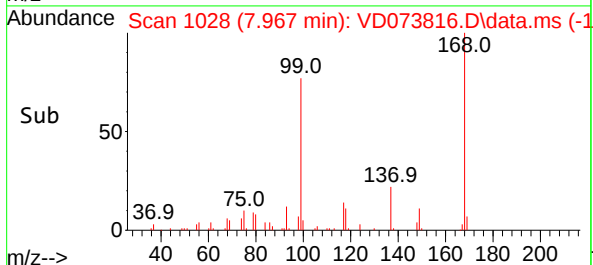
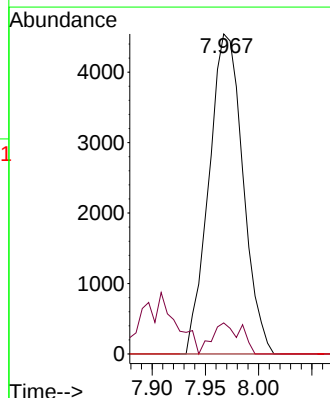
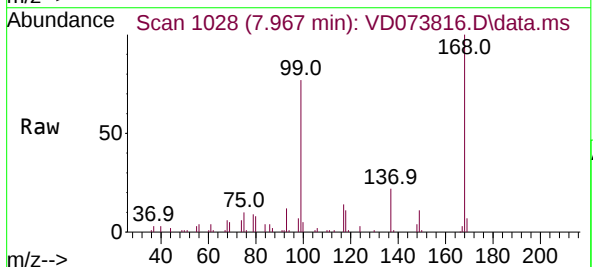
Tgt Ion: 75 Resp: 10108

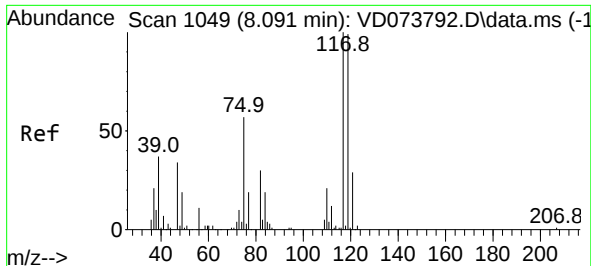
Ion Ratio Lower Upper

75 100

110 8.3 16.9 50.7#

77 0.0 24.8 37.2#

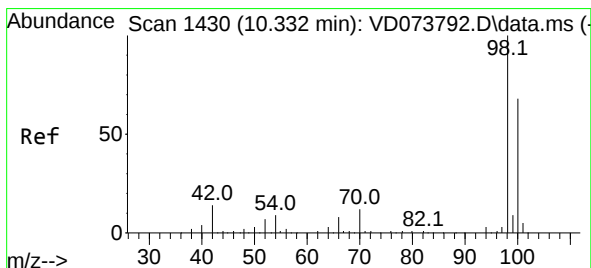
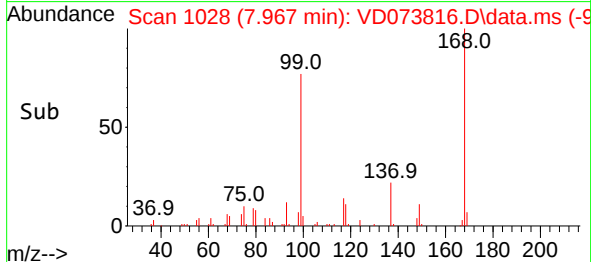
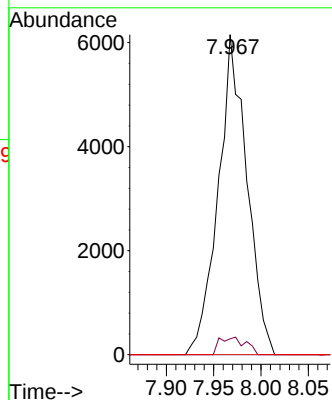
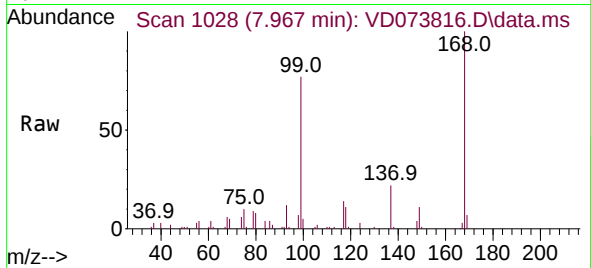




#38
Carbon Tetrachloride
Concen: 6.446 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

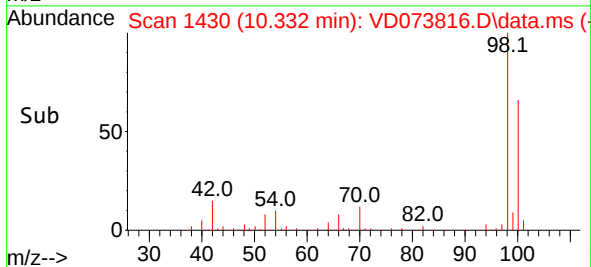
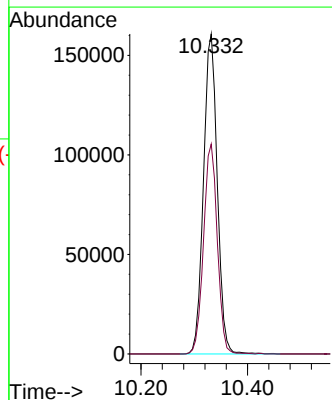
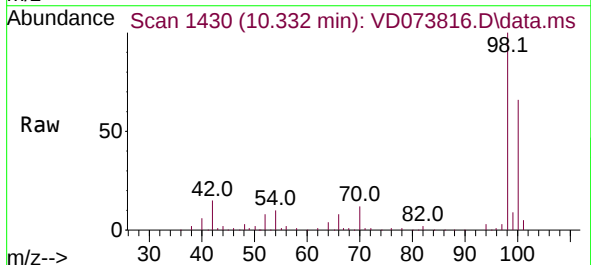
Instrument :
MSVOA_D
ClientSampleId :
20220485C-3C

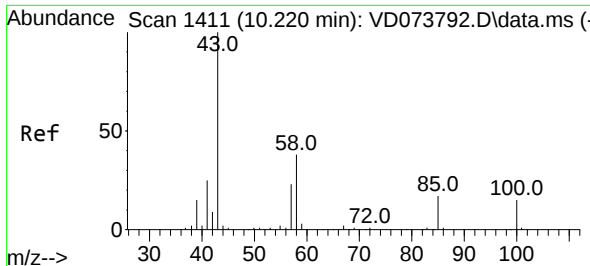
Tgt Ion:117 Resp: 12978
Ion Ratio Lower Upper
117 100
119 4.9 79.3 118.9#
121 0.0 22.9 34.3#



#50
Toluene-d8
Concen: 61.577 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

Tgt Ion: 98 Resp: 288748
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9





#51

4-Methyl-2-Pentanone

Concen: 1.397 ug/l

RT: 10.326 min Scan# 1411

Delta R.T. 0.106 min

Lab File: VD073816.D

Acq: 07 Jul 2022 18:58

Instrument :

MSVOA_D

ClientSampleId :

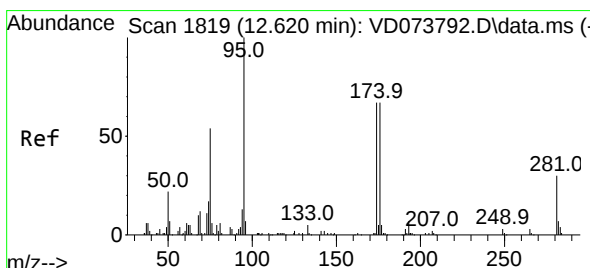
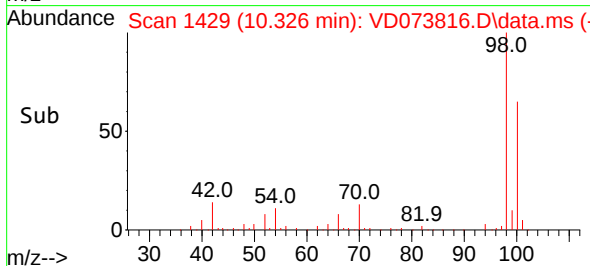
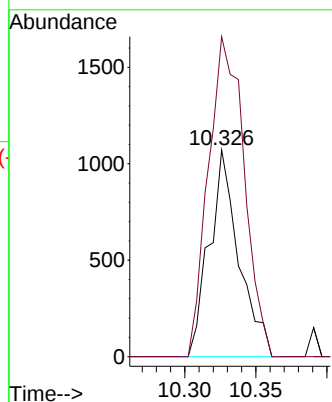
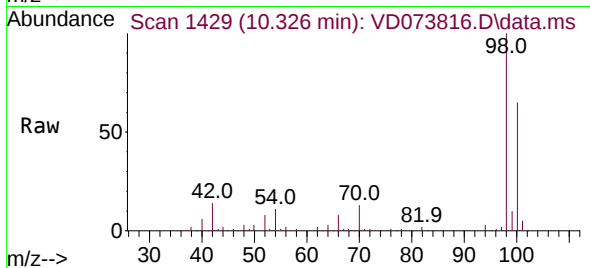
20220485C-3C

Tgt Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

58 186.9 30.1 45.1#



#62

4-Bromofluorobenzene

Concen: 54.468 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD073816.D

Acq: 07 Jul 2022 18:58

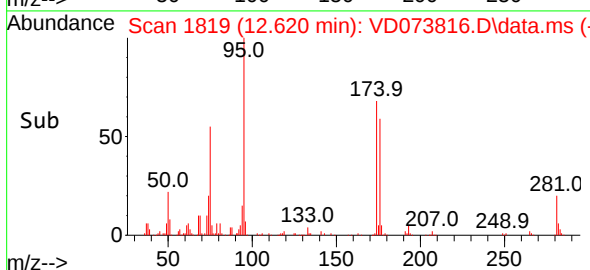
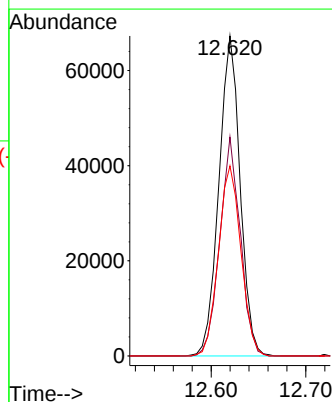
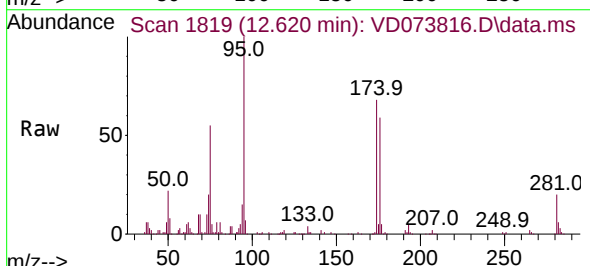
Tgt Ion: 95 Resp: 104987

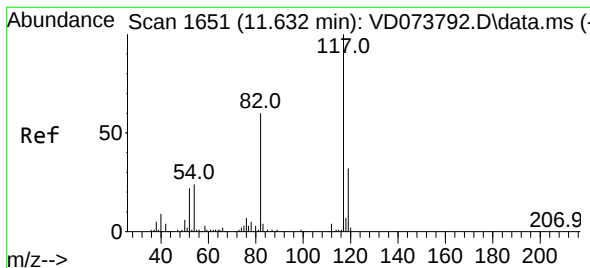
Ion Ratio Lower Upper

95 100

174 66.0 0.0 132.4

176 62.9 0.0 129.0

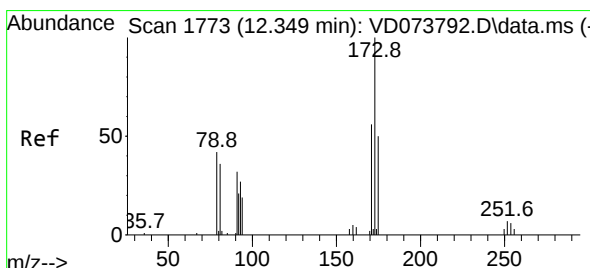
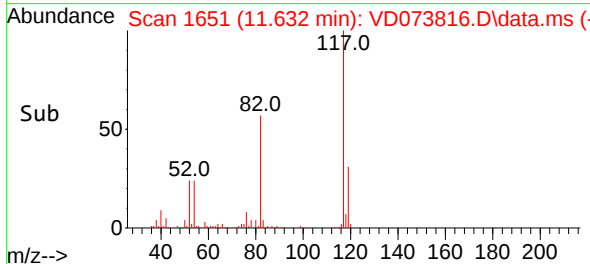
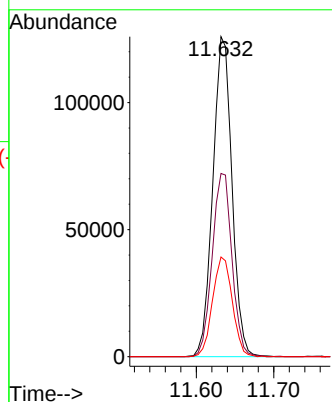
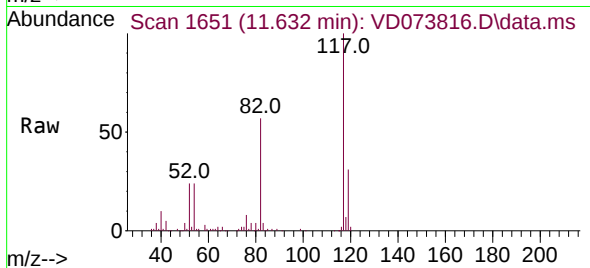




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

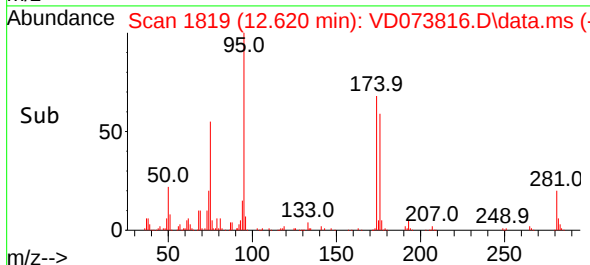
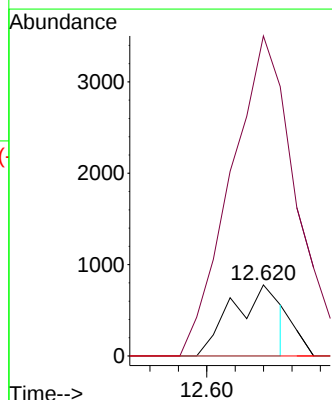
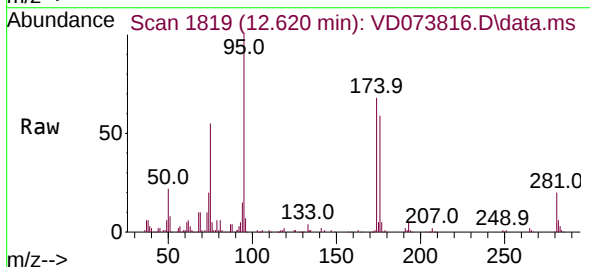
Instrument :
MSVOA_D
ClientSampleId :
20220485C-3C

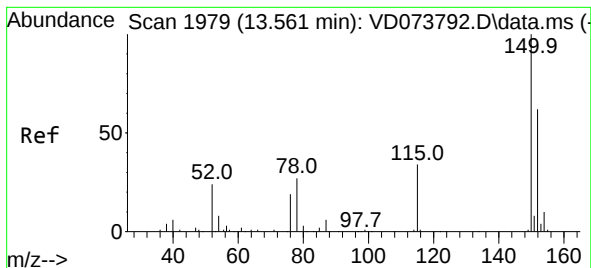
Tgt Ion:117 Resp: 215913
Ion Ratio Lower Upper
117 100
82 57.3 48.2 72.2
119 31.1 25.2 37.8



#71
Bromoform
Concen: 1.132 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD073816.D
Acq: 07 Jul 2022 18:58

Tgt Ion:173 Resp: 923
Ion Ratio Lower Upper
173 100
175 480.8 23.8 71.5#
254 0.0 0.0 0.0

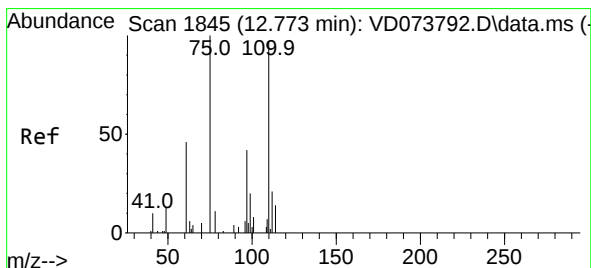
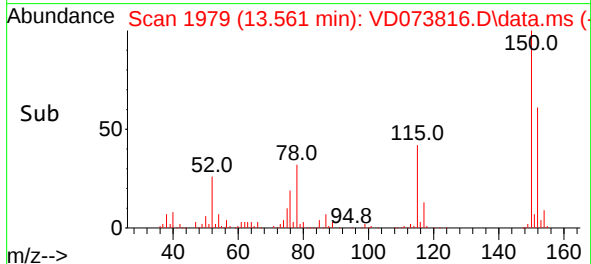
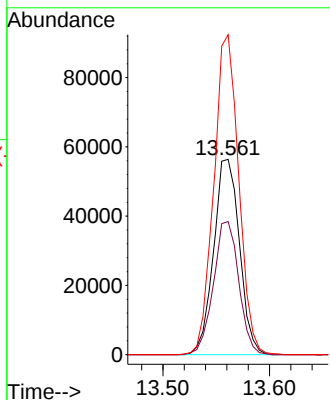
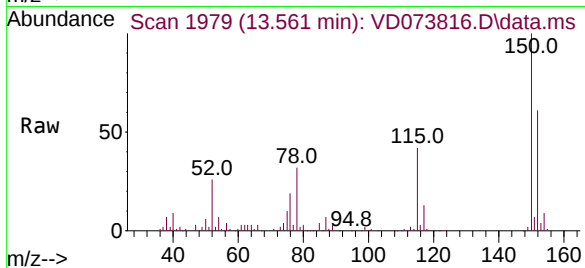




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073816.D
 Acq: 07 Jul 2022 18:58

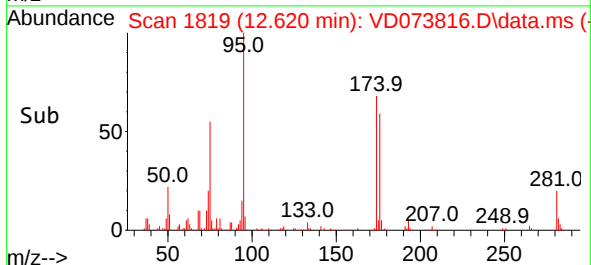
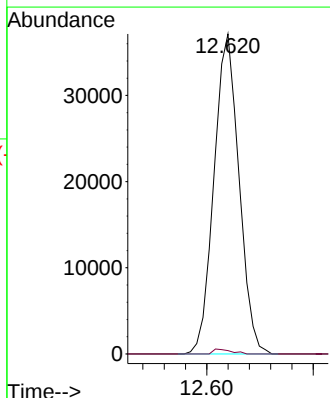
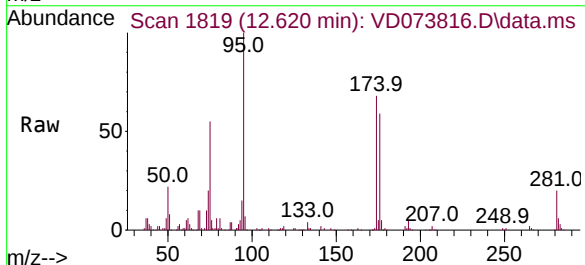
Instrument :
 MSVOA_D
 ClientSampleId :
 20220485C-3C

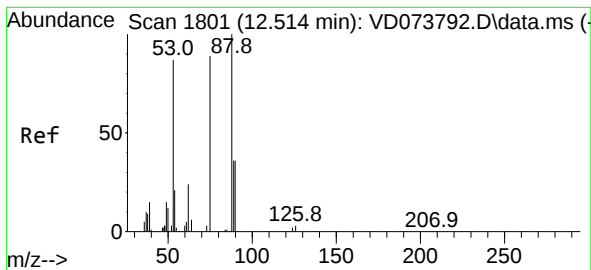
Tgt Ion:152 Resp: 94938
 Ion Ratio Lower Upper
 152 100
 115 66.9 32.2 96.6
 150 157.7 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 58.537 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD073816.D
 Acq: 07 Jul 2022 18:58

Tgt Ion: 75 Resp: 60507
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.777 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD073816.D
 Acq: 07 Jul 2022 18:58

Instrument :
 MSVOA_D
 ClientSampleId :
 20220485C-3C

Tgt Ion: 75 Resp: 60507
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.2 37.2 55.8#

