

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060622\
 Data File : VD073485.D
 Acq On : 06 Jun 2022 20:16
 Operator : VA/SY
 Sample : N3201-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11939

Quant Time: Jun 07 01:14:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

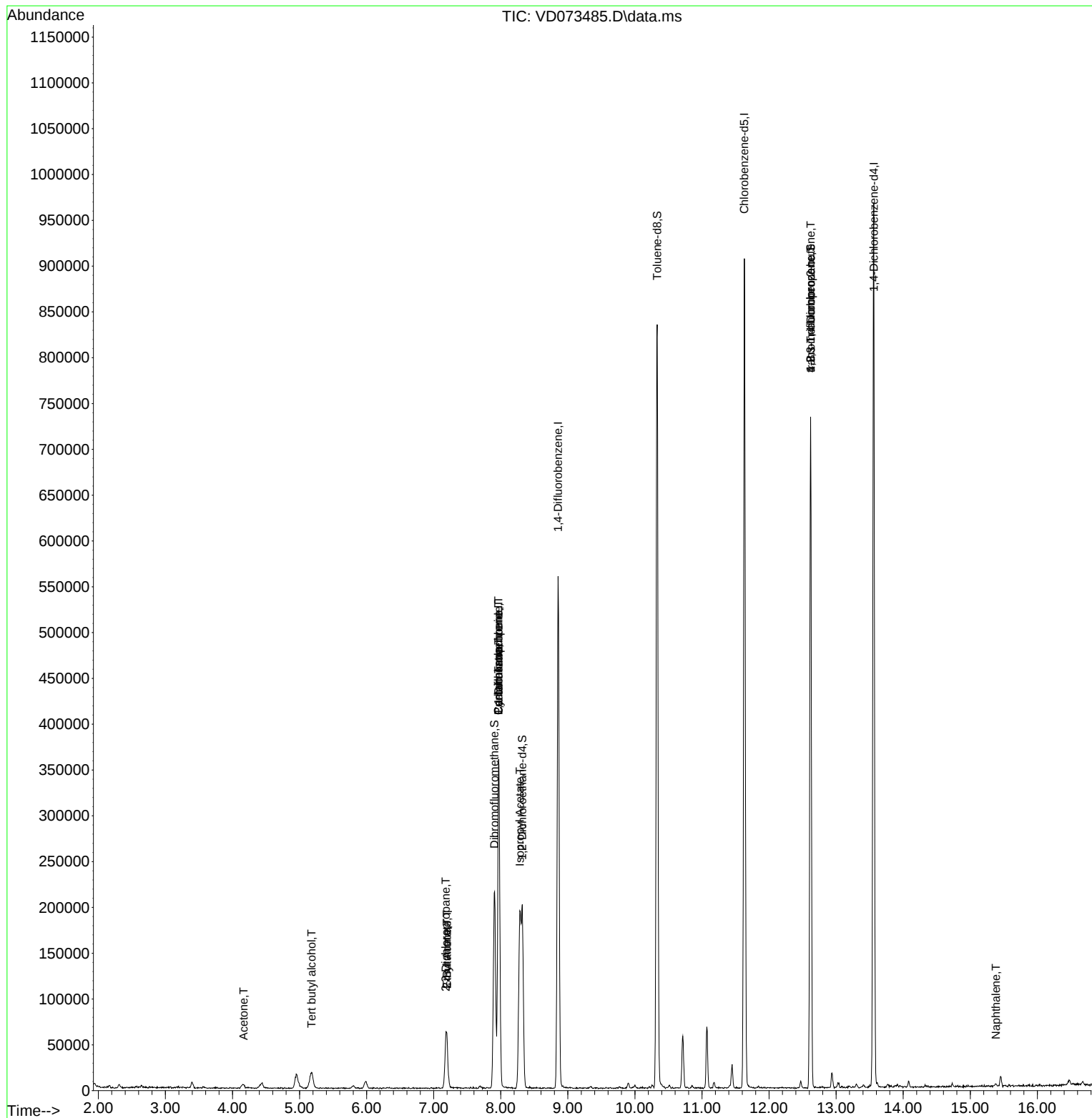
Internal Standards						
1) Pentafluorobenzene	7.967	168	264537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	478690	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	529540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	257325	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	138209	47.275	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.560%
35) Dibromofluoromethane	7.903	113	159536	50.507	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.020%
50) Toluene-d8	10.332	98	588832	50.570	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.140%
62) 4-Bromofluorobenzene	12.620	95	242864	59.434	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	118.860%
Target Compounds						
					Qvalue	
5) Bromomethane	2.768	94	591	Below Cal	#	49
11) Tert butyl alcohol	5.179	59	16890	37.237	ug/l #	74
16) Acetone	4.167	43	8616	17.015	ug/l	94
20) Methylene Chloride	4.950	84	11190	Below Cal	#	81
25) 2-Butanone	7.197	43	3608	4.870	ug/l	95
26) 2,2-Dichloropropane	7.179	77	4933	1.002	ug/l #	54
31) Cyclohexane	7.967	56	6268	1.227	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	20577	4.331	ug/l #	52
37) Ethyl Acetate	7.197	43	3608	1.923	ug/l #	1
38) Carbon Tetrachloride	7.967	117	27389	5.688	ug/l #	18
43) Isopropyl Acetate	8.285	43	4308	1.242	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	121976	48.311	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	121976	115.980	ug/l #	7
95) Naphthalene	15.384	128	3640	3.943	ug/l #	89

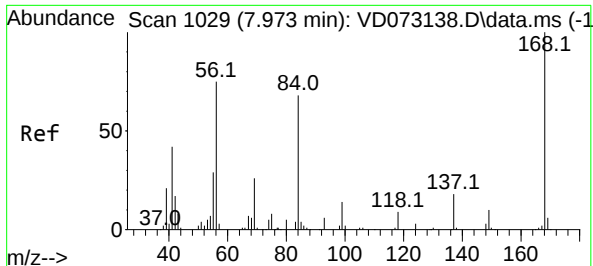
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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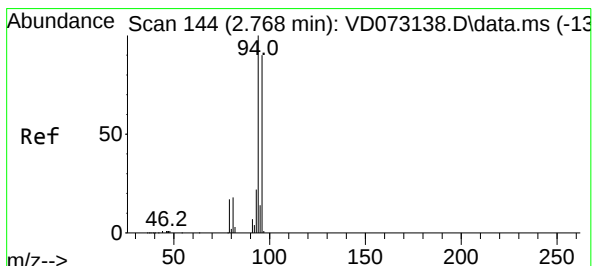
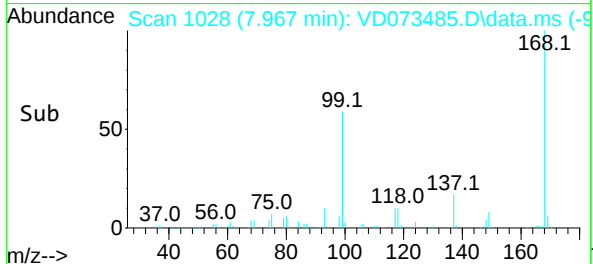
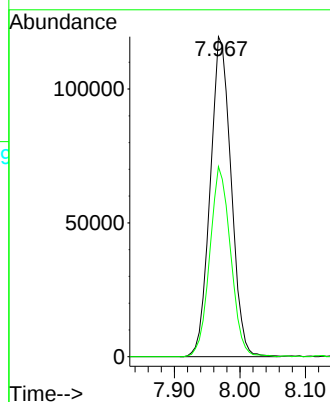
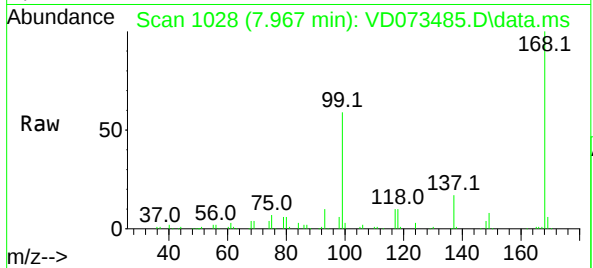




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

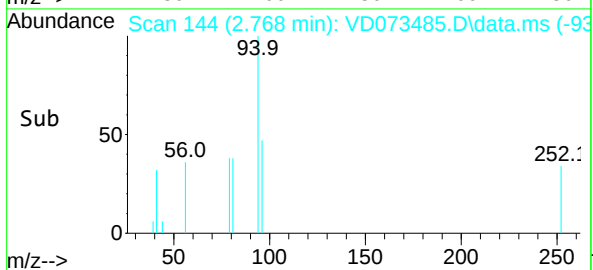
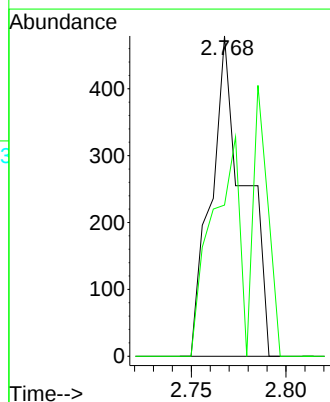
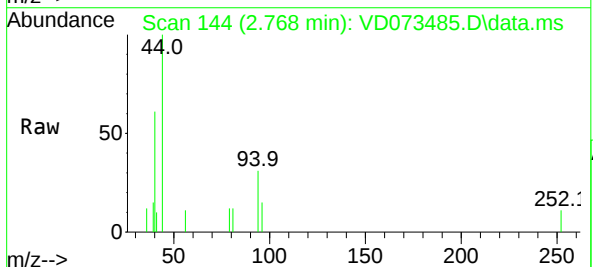
Instrument :
MSVOA_D
ClientSampleId :
11939

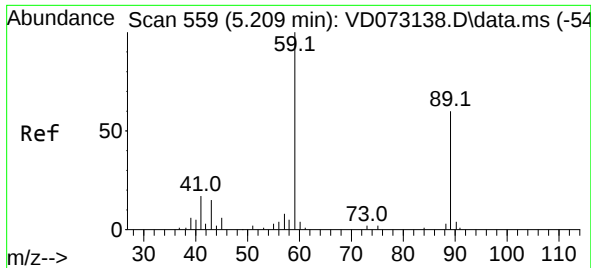
Tgt Ion:168 Resp: 264537
Ion Ratio Lower Upper
168 100
99 59.4 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Tgt Ion: 94 Resp: 591
Ion Ratio Lower Upper
94 100
96 47.2 77.6 116.4#

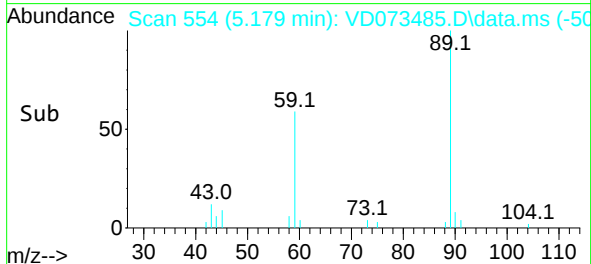
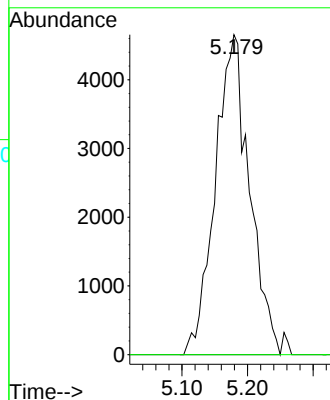
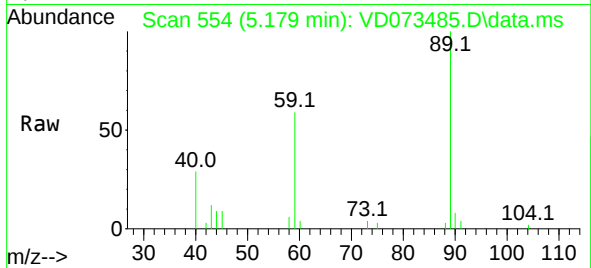




#11
Tert butyl alcohol
Concen: 37.237 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

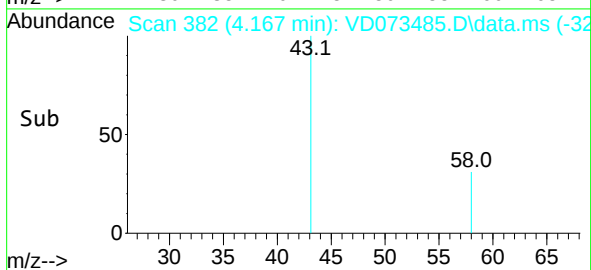
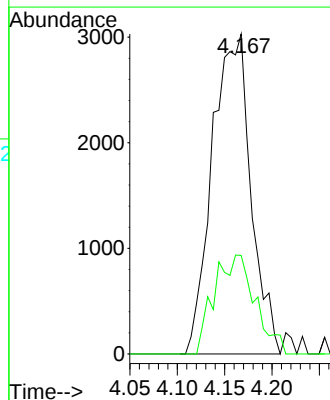
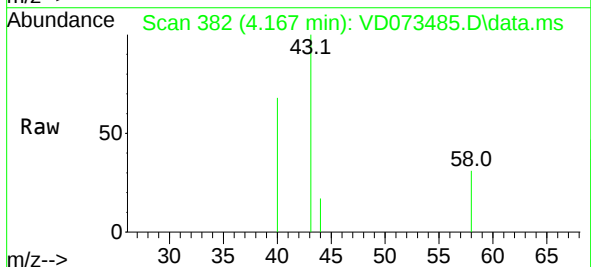
Instrument :
MSVOA_D
ClientSampleId :
11939

Tgt Ion: 59 Resp: 16890
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 17.015 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Tgt Ion: 43 Resp: 8616
Ion Ratio Lower Upper
43 100
58 30.8 22.1 33.1

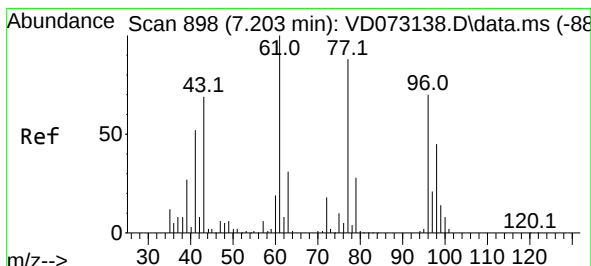
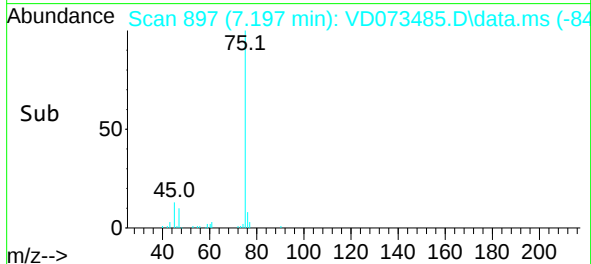
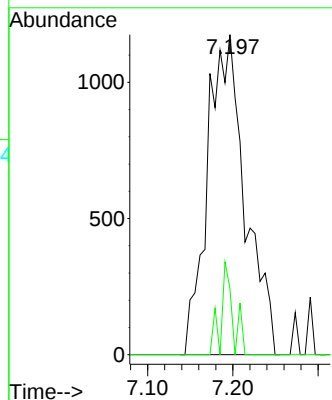
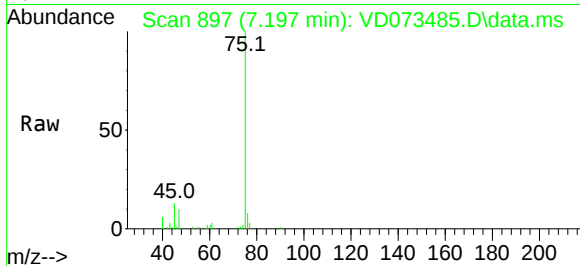




#25
2-Butanone
Concen: 4.870 ug/l
RT: 7.197 min Scan# 891
Delta R.T. -0.011 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

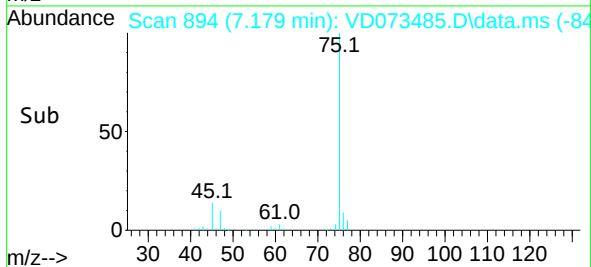
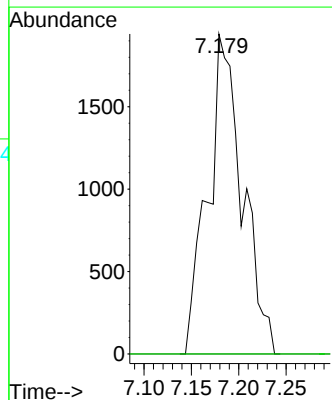
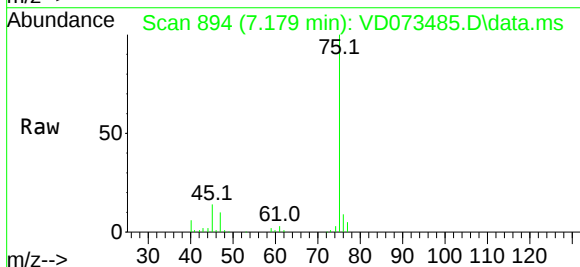
Instrument :
MSVOA_D
ClientSampleId :
11939

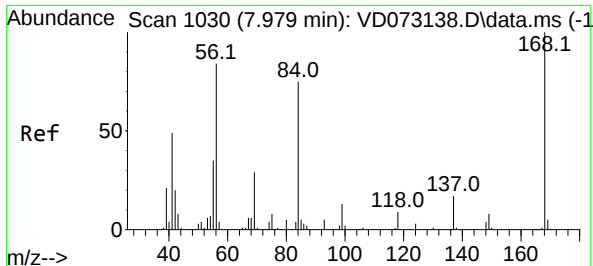
Tgt Ion: 43 Resp: 3608
Ion Ratio Lower Upper
43 100
72 20.7 18.6 27.8



#26
2,2-Dichloropropane
Concen: 1.002 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.024 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Tgt Ion: 77 Resp: 4933
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073485.D

Acq: 06 Jun 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

11939

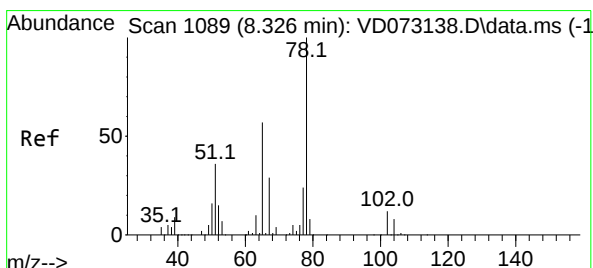
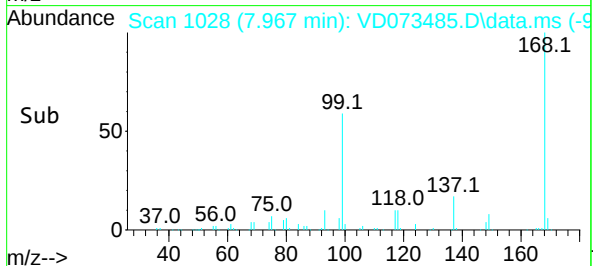
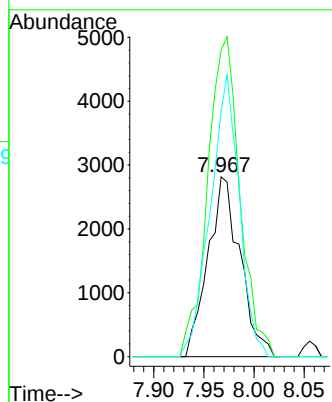
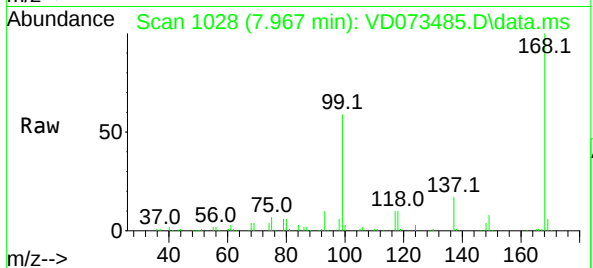
Tgt Ion: 56 Resp: 6268

Ion Ratio Lower Upper

56 100

69 170.4 25.4 38.2#

84 136.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 47.275 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD073485.D

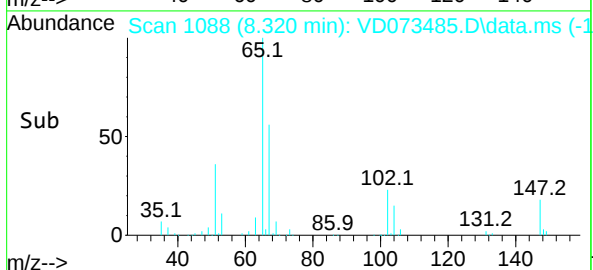
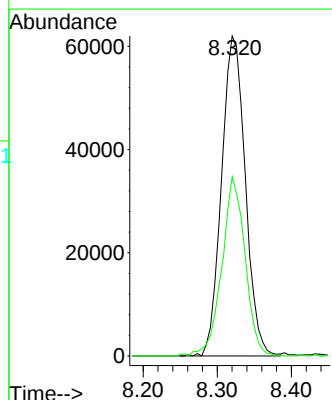
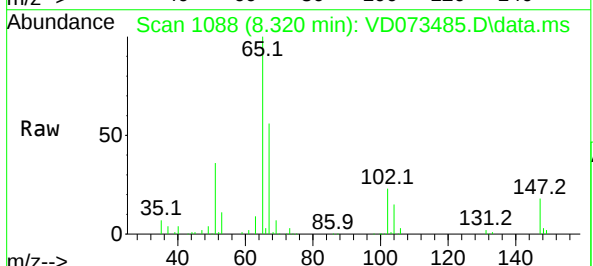
Acq: 06 Jun 2022 20:16

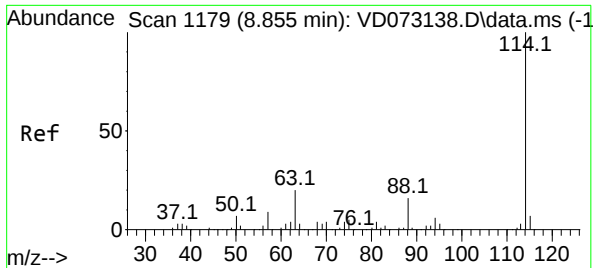
Tgt Ion: 65 Resp: 138209

Ion Ratio Lower Upper

65 100

67 54.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073485.D

Acq: 06 Jun 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

11939

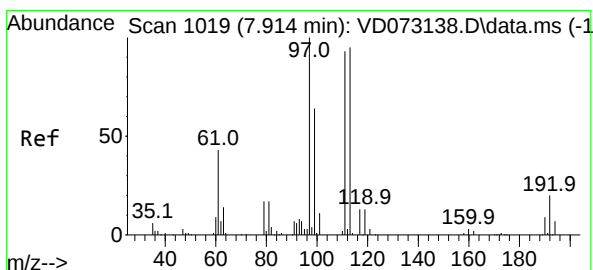
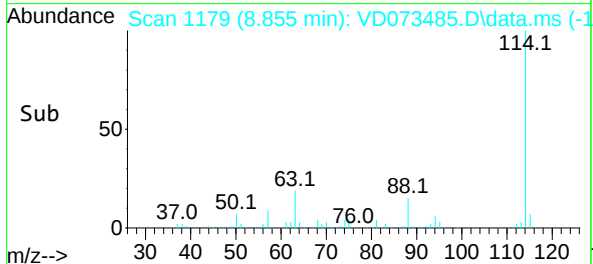
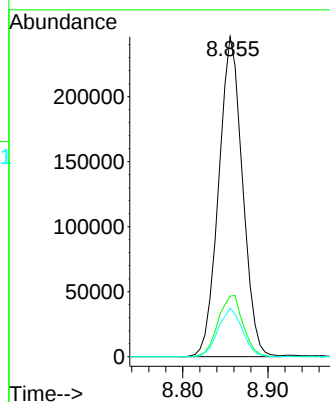
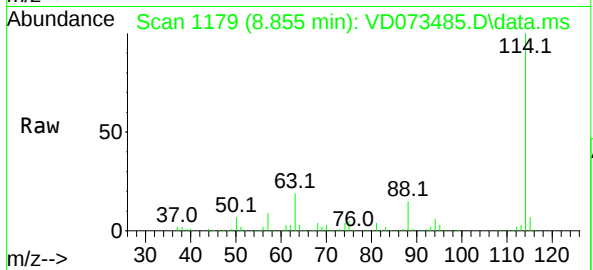
Tgt Ion:114 Resp: 478690

Ion Ratio Lower Upper

114 100

63 18.9 0.0 46.6

88 15.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.507 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.011 min

Lab File: VD073485.D

Acq: 06 Jun 2022 20:16

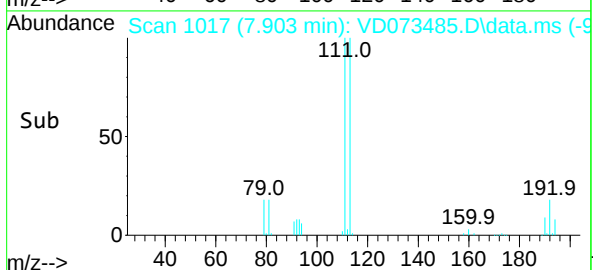
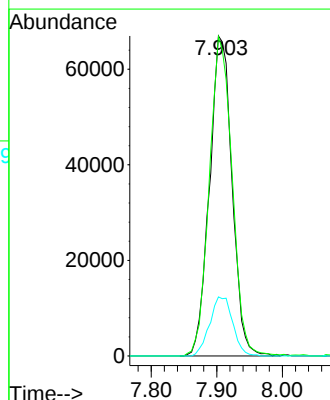
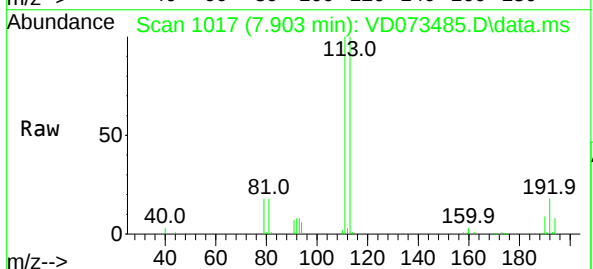
Tgt Ion:113 Resp: 159536

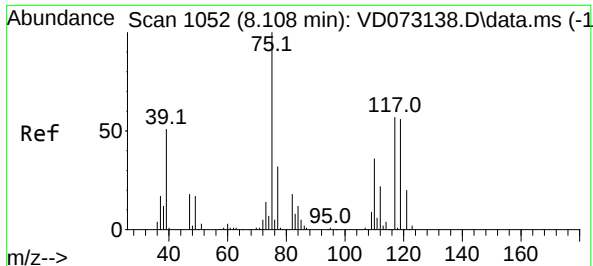
Ion Ratio Lower Upper

113 100

111 101.3 83.8 125.6

192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.331 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD073485.D

Acq: 06 Jun 2022 20:16

Instrument :

MSVOA_D

ClientSampleId :

11939

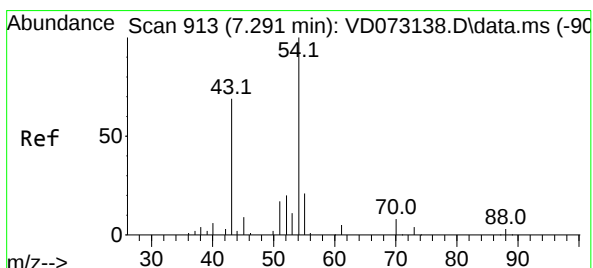
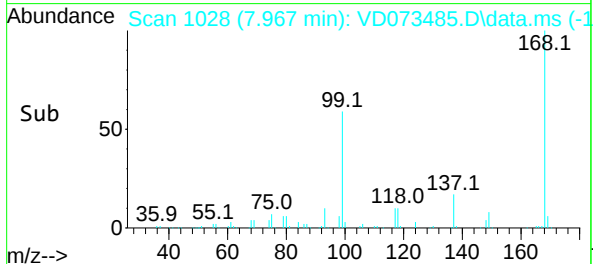
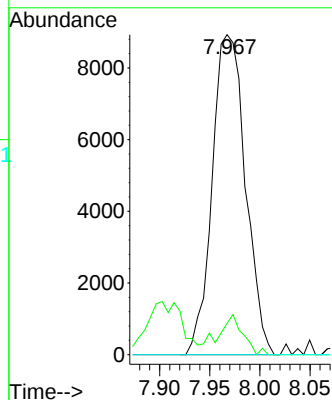
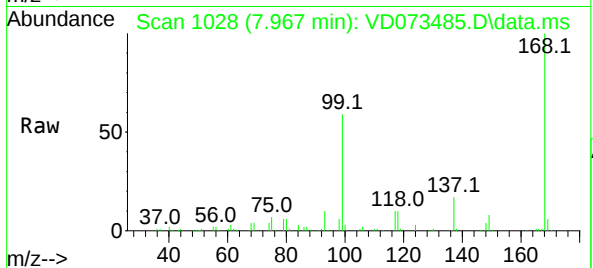
Tgt Ion: 75 Resp: 20577

Ion Ratio Lower Upper

75 100

110 9.5 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.923 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD073485.D

Acq: 06 Jun 2022 20:16

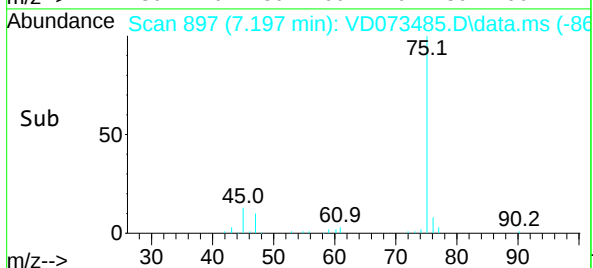
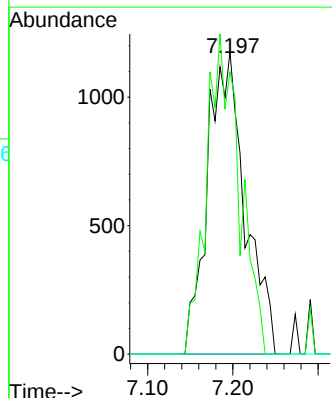
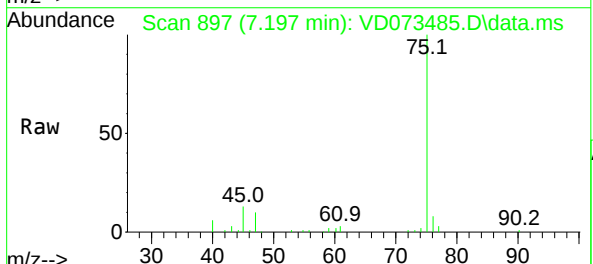
Tgt Ion: 43 Resp: 3608

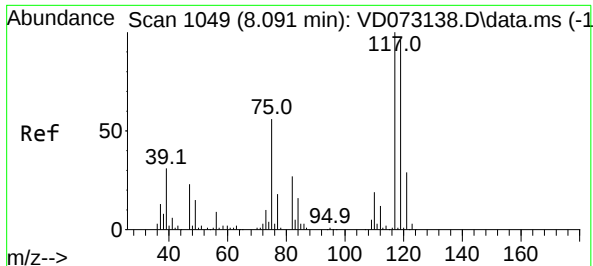
Ion Ratio Lower Upper

43 100

61 93.3 9.8 14.8#

70 0.0 6.9 10.3#

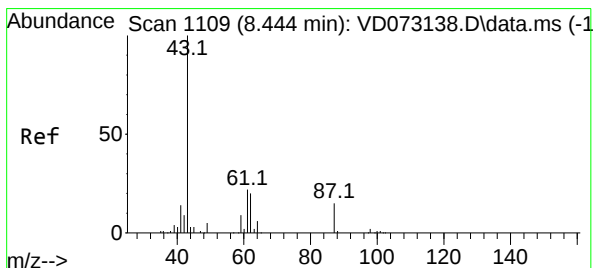
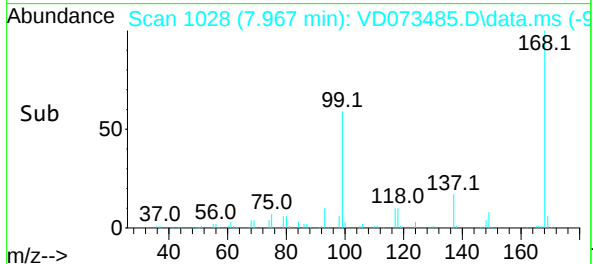
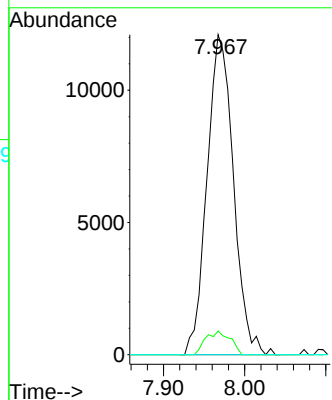
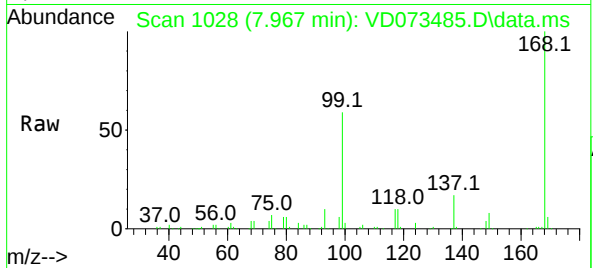




#38
Carbon Tetrachloride
Concen: 5.688 ug/l
RT: 7.967 min Scan# 1082
Delta R.T. -0.124 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

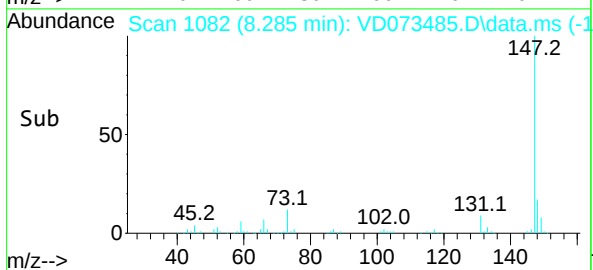
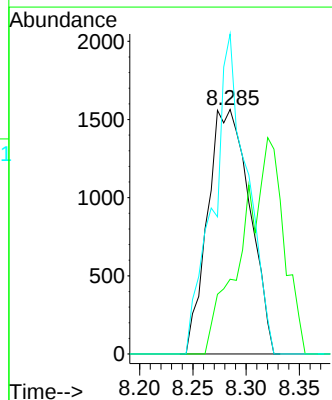
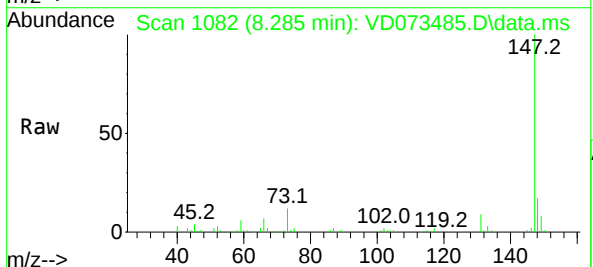
Instrument :
MSVOA_D
ClientSampleId :
11939

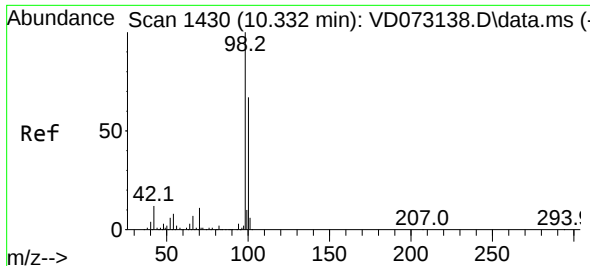
Tgt Ion:117 Resp: 27389
Ion Ratio Lower Upper
117 100
119 7.4 75.8 113.6#
121 0.0 24.5 36.7#



#43
Isopropyl Acetate
Concen: 1.242 ug/l
RT: 8.285 min Scan# 1082
Delta R.T. -0.159 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Tgt Ion: 43 Resp: 4308
Ion Ratio Lower Upper
43 100
61 0.0 22.4 33.6#
87 104.6 8.7 13.1#

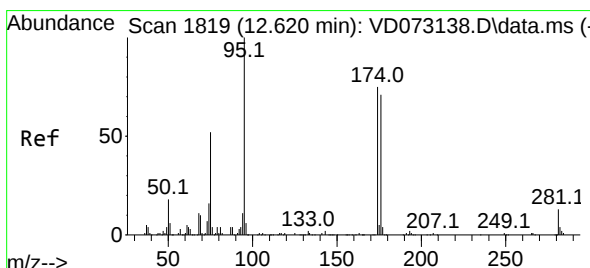
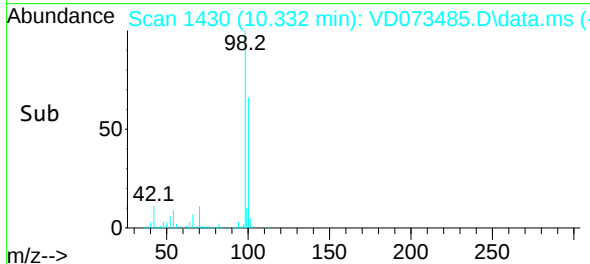
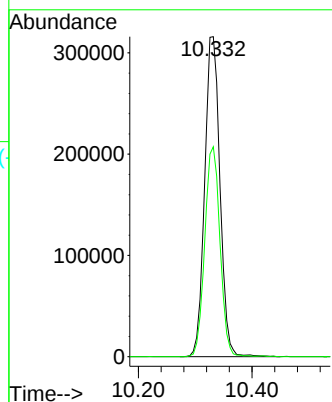
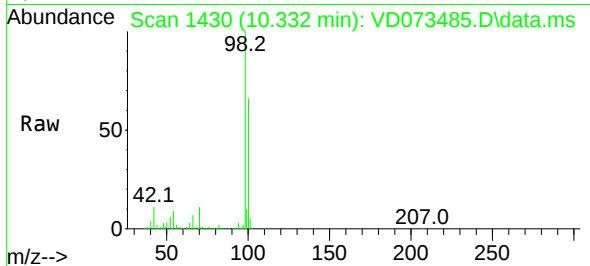




#50
Toluene-d8
Concen: 50.570 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

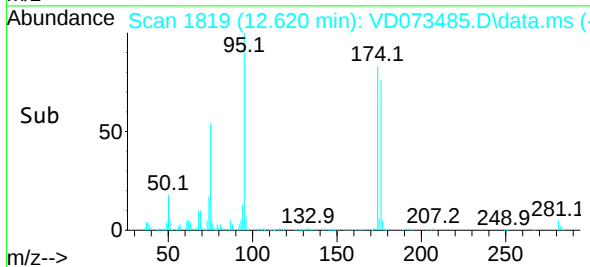
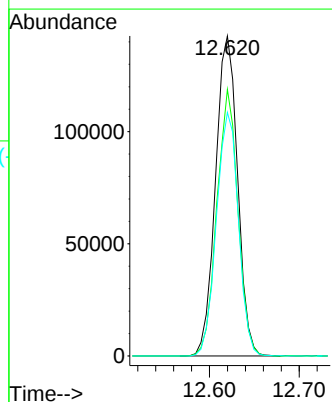
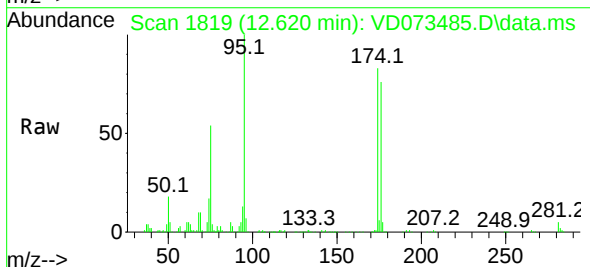
Instrument :
MSVOA_D
ClientSampleId :
11939

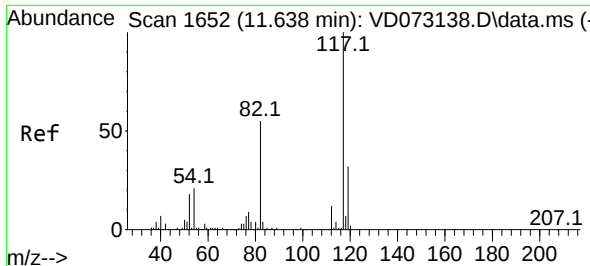
Tgt Ion: 98 Resp: 588832
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 59.434 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Tgt Ion: 95 Resp: 242864
Ion Ratio Lower Upper
95 100
174 79.7 0.0 152.8
176 75.8 0.0 145.4

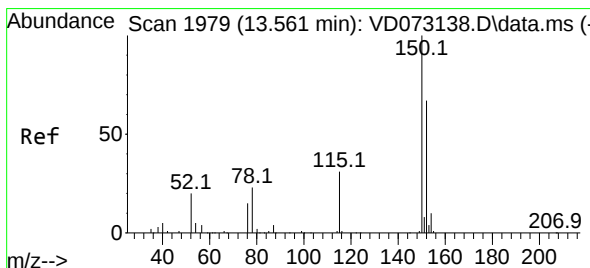
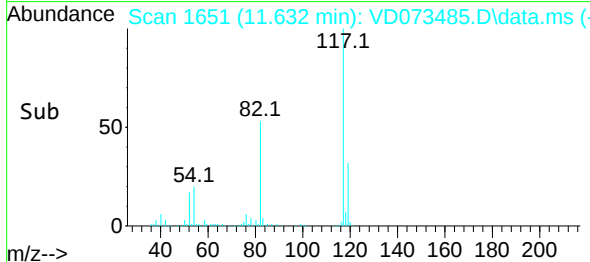
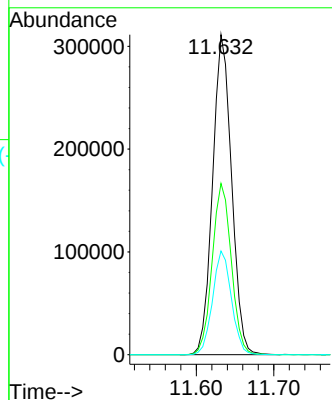
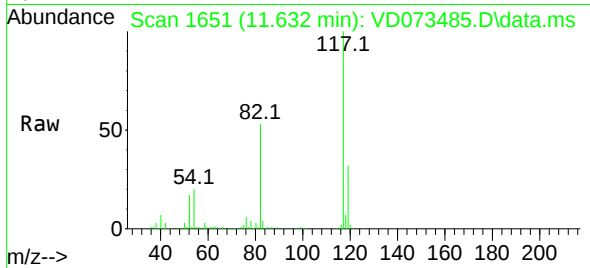




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 11939
Delta R.T. -0.006 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

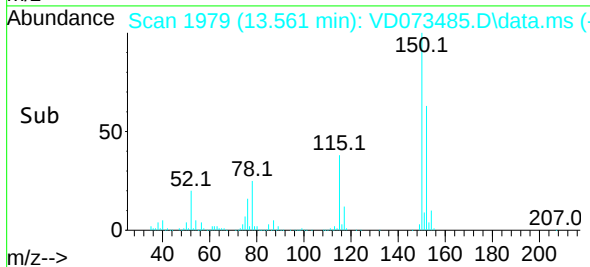
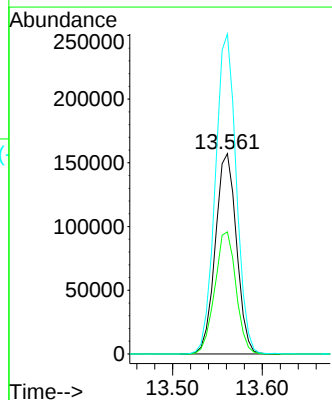
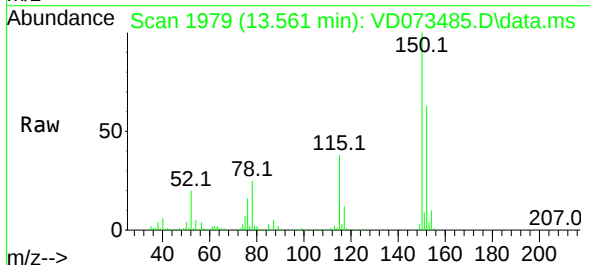
Instrument :
MSVOA_D
ClientSampleId :
11939

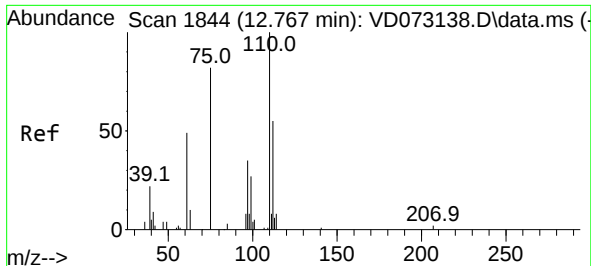
Tgt Ion:117 Resp: 529540
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.4 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Tgt Ion:152 Resp: 257325
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 158.2 0.0 348.6

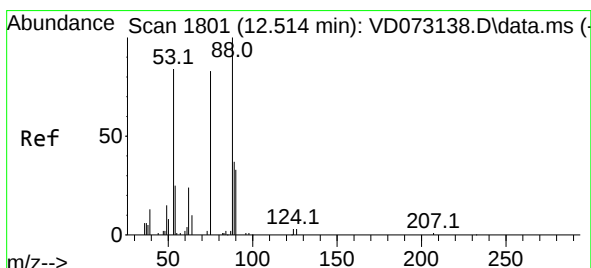
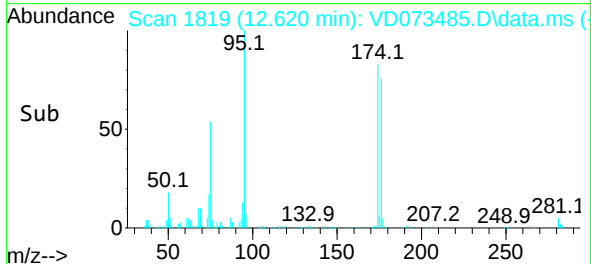
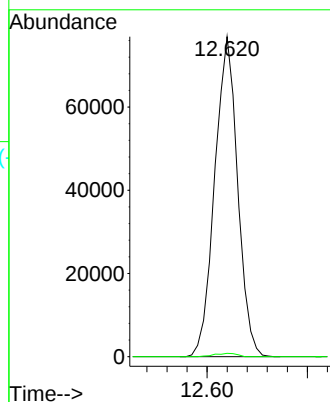
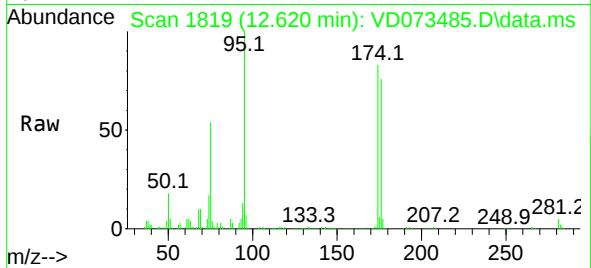




#76
1,2,3-Trichloropropane
Concen: 48.311 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

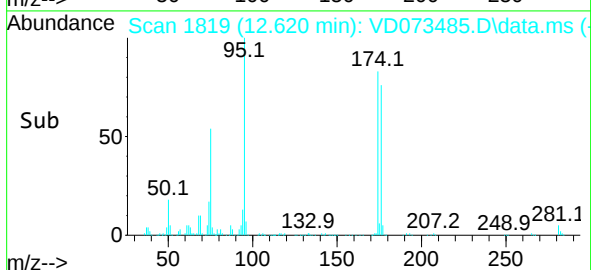
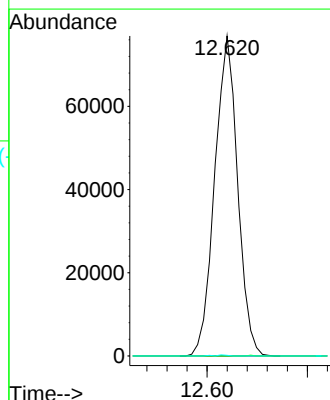
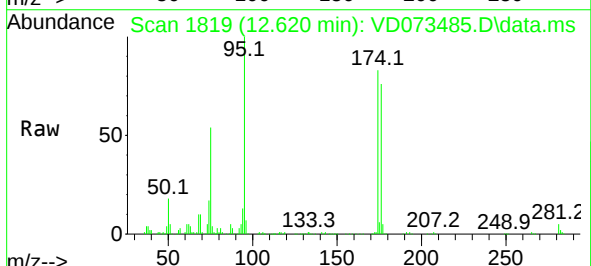
Instrument :
MSVOA_D
ClientSampleId :
11939

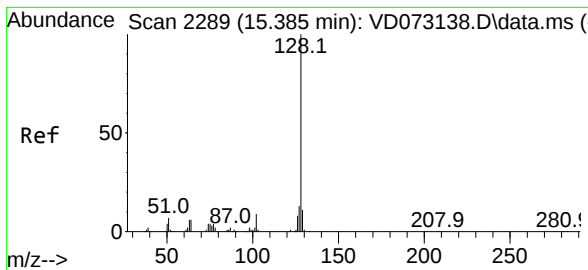
Tgt Ion: 75 Resp: 121976
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.980 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

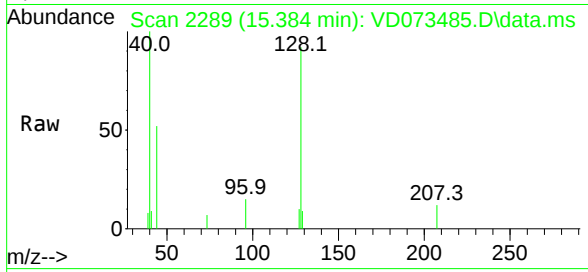
Tgt Ion: 75 Resp: 121976
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#





#95
Naphthalene
Concen: 3.943 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.001 min
Lab File: VD073485.D
Acq: 06 Jun 2022 20:16

Instrument :
MSVOA_D
ClientSampleId :
11939



Tgt Ion:	128	Resp:	3640
Ion	Ratio	Lower	Upper
128	100		
127	17.2	10.3	15.5#
129	6.6	8.4	12.6#

