

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074109.D
 Acq On : 16 Aug 2022 18:50
 Operator : VA/SY
 Sample : N4189-09RE
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB16

Quant Time: Aug 16 20:53:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081522S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 01:41:25 2022
 Response via : Initial Calibration

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

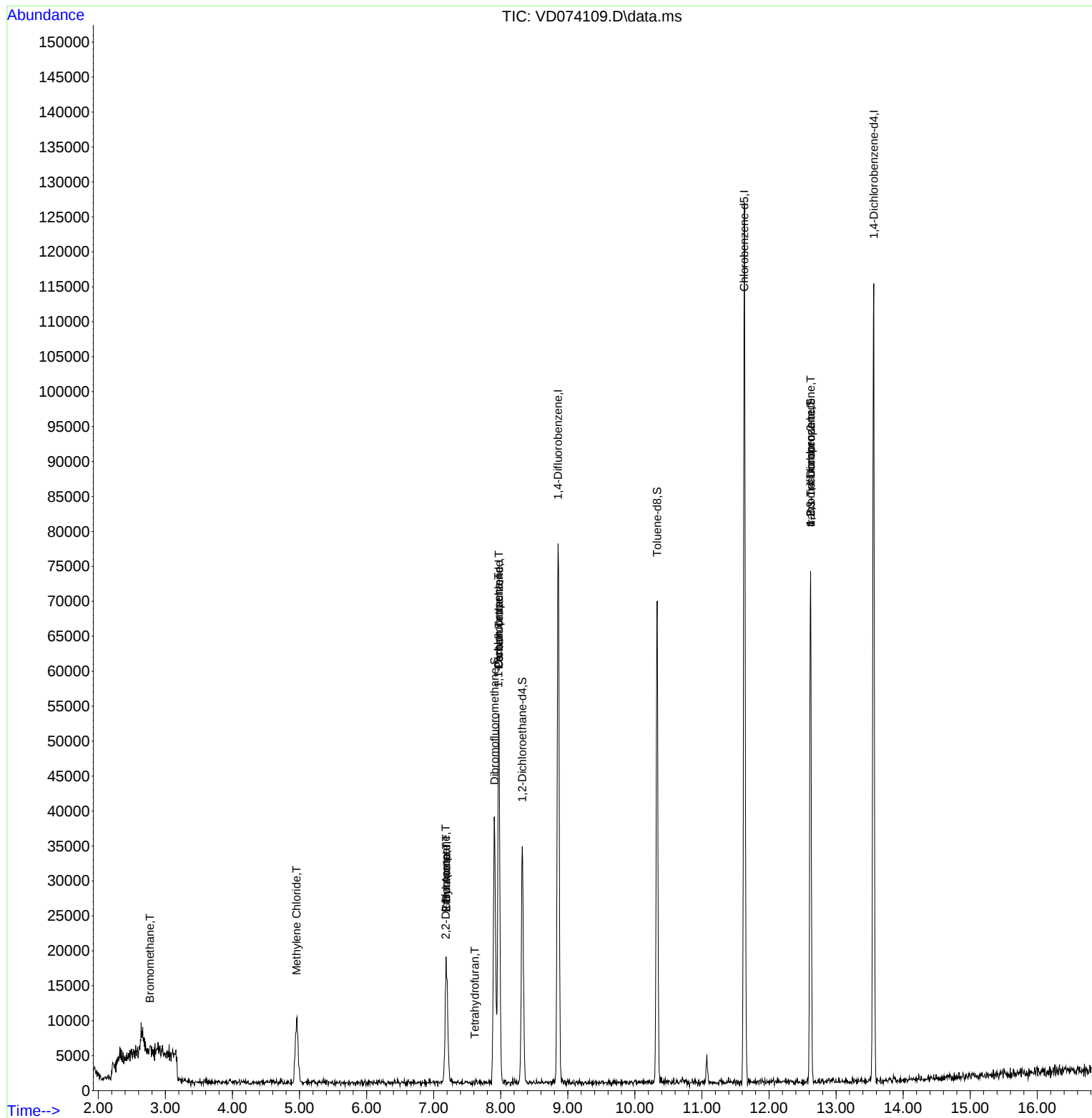
Internal Standards						
1) Pentafluorobenzene	7.973	168	38015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	67647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	70315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	29609	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	26743	102.426	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 204.860%#	
35) Dibromofluoromethane	7.908	113	26162	60.521	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 121.040%	
50) Toluene-d8	10.332	98	46641	35.537	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 71.080%	
62) 4-Bromofluorobenzene	12.620	95	22880	42.216	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 84.440%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.203	50	66	Below Cal	#	12
5) Bromomethane	2.768	94	550	1.227	ug/l #	11
16) Acetone	4.167	43	294	Below Cal	#	47
18) Methyl Acetate	4.991	43	73	Below Cal	#	55
20) Methylene Chloride	4.956	84	6615	6.838	ug/l #	74
25) 2-Butanone	7.185	43	342	3.520	ug/l #	52
26) 2,2-Dichloropropane	7.179	77	1247	1.819	ug/l #	54
29) Tetrahydrofuran	7.614	42	56	1.055	ug/l #	38
31) Cyclohexane	7.979	56	838	Below Cal	#	16
36) 1,1-Dichloropropene	7.967	75	3140	5.326	ug/l #	45
37) Ethyl Acetate	7.185	43	342	1.463	ug/l #	1
38) Carbon Tetrachloride	7.973	117	4311	6.336	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	12150	46.051	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	12150	128.430	ug/l #	7

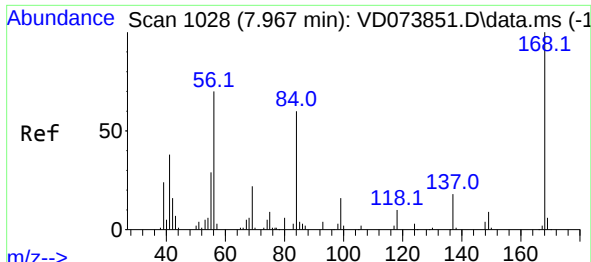
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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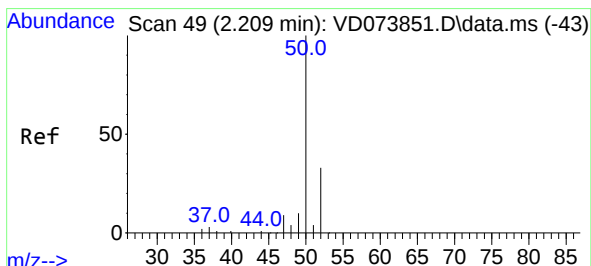
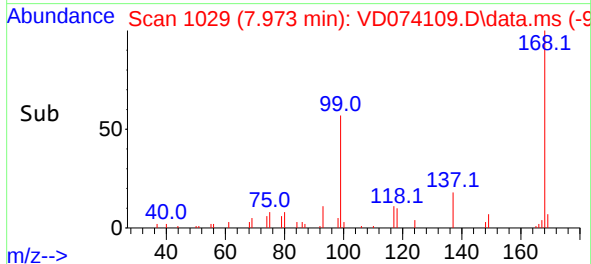
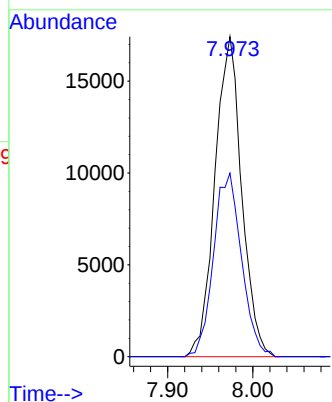
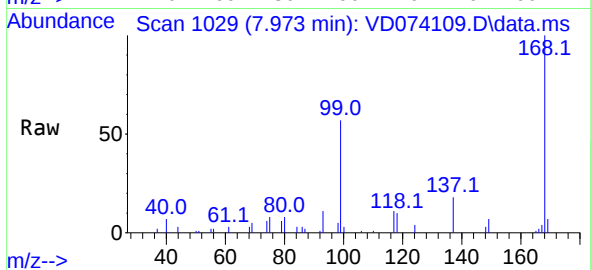




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

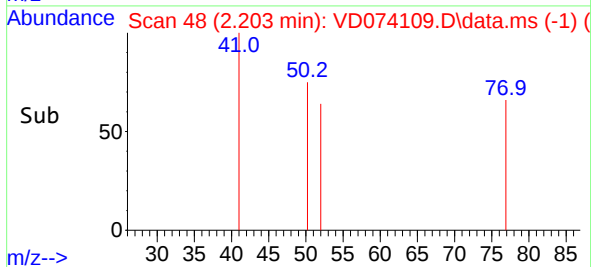
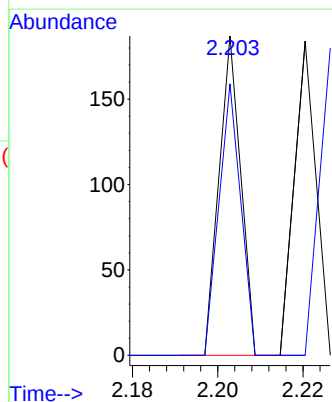
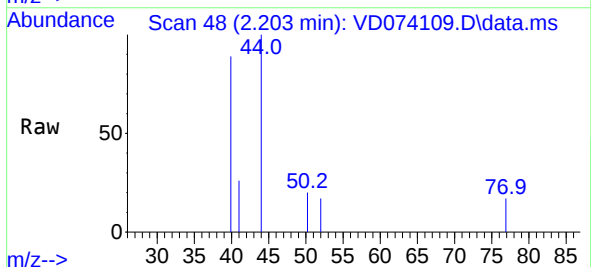
Instrument :
MSVOA_D
ClientSampleId :
SB16

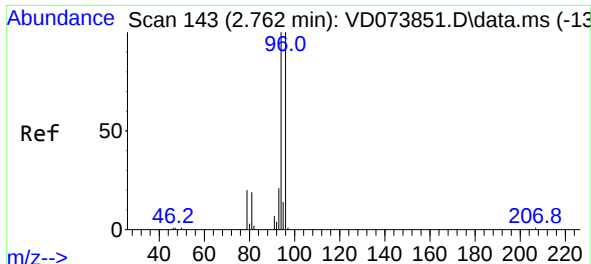
Tgt Ion:168 Resp: 38015
Ion Ratio Lower Upper
168 100
99 57.4 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion: 50 Resp: 66
Ion Ratio Lower Upper
50 100
52 85.0 27.4 41.0#

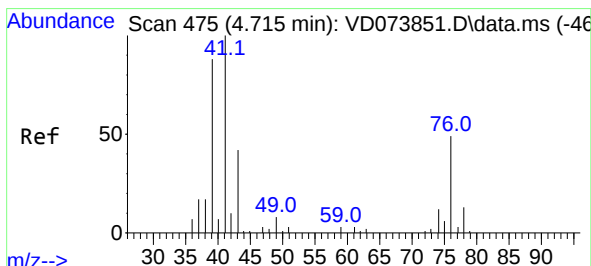
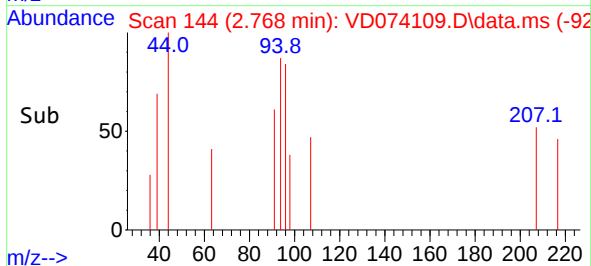
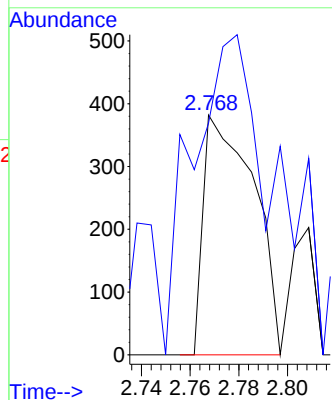
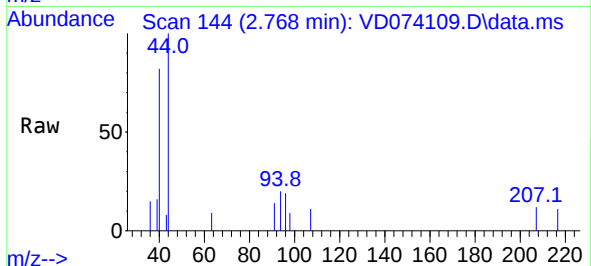




#5
Bromomethane
Concen: 1.227 ug/l
RT: 2.768 min Scan# 143
Delta R.T. 0.006 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

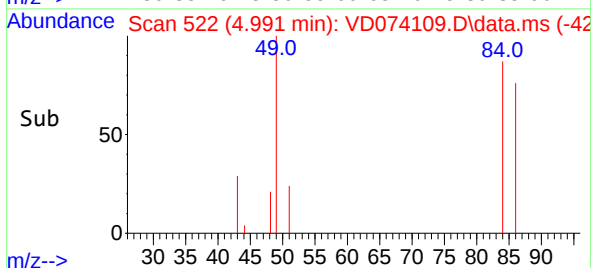
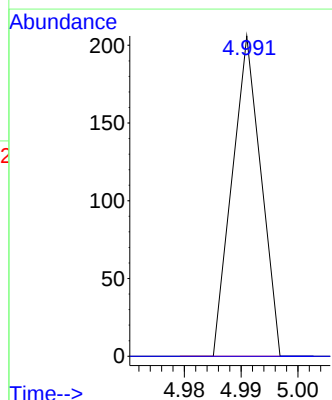
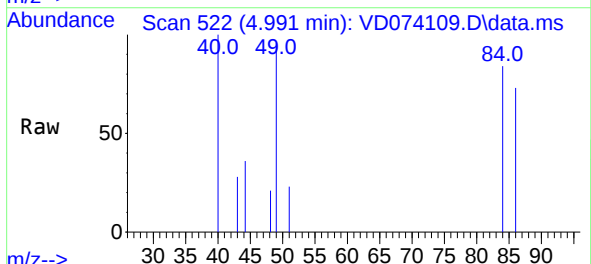
Instrument :
MSVOA_D
ClientSampleId :
SB16

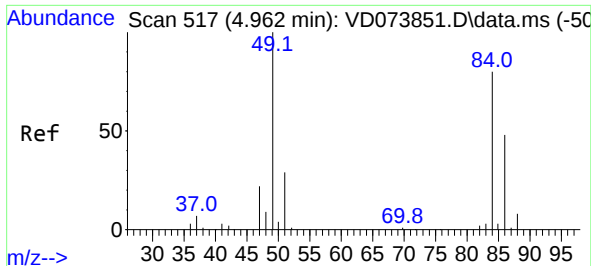
Tgt Ion: 94 Resp: 550
Ion Ratio Lower Upper
94 100
96 9.7 77.6 116.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.991 min Scan# 522
Delta R.T. 0.276 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

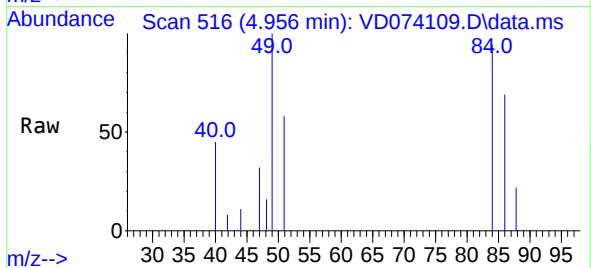
Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



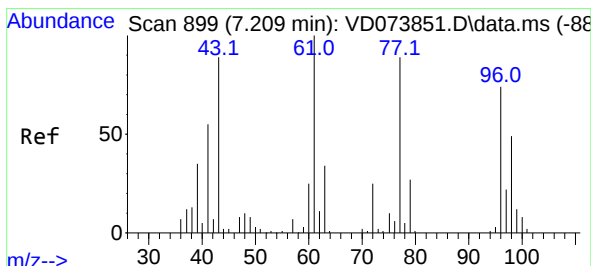
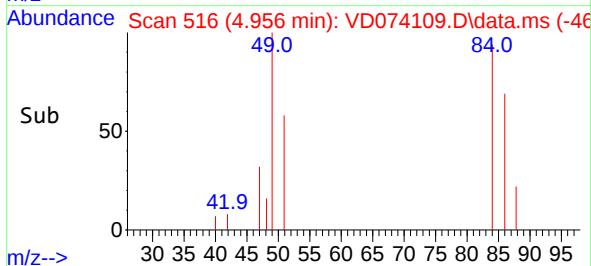
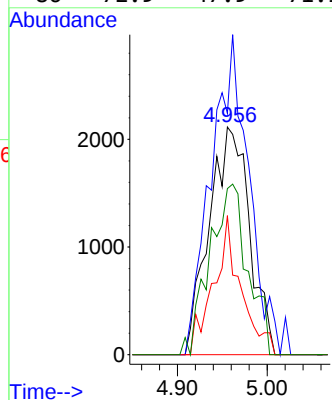


#20
Methylene Chloride
Concen: 6.838 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Instrument :
MSVOA_D
ClientSampleId :
SB16

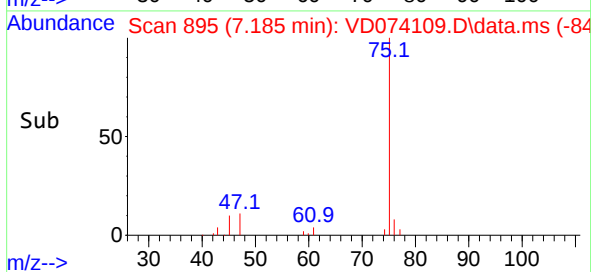
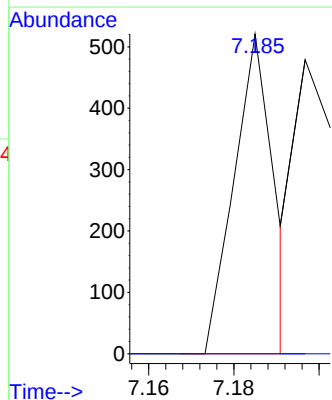
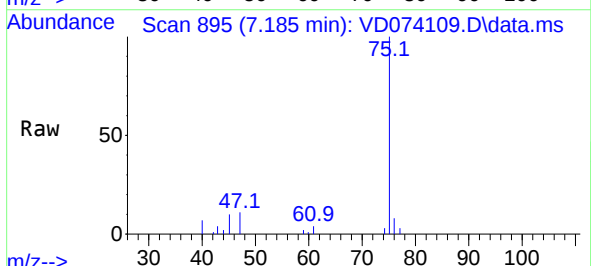


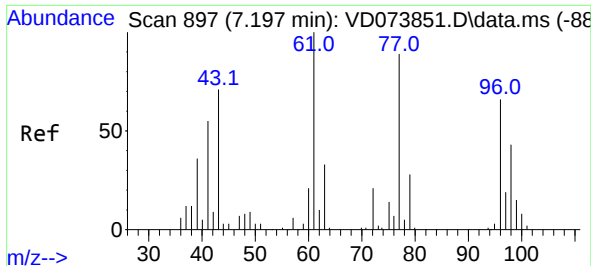
Tgt Ion: 84 Resp: 6615
Ion Ratio Lower Upper
84 100
49 106.0 112.8 169.2#
51 61.0 32.6 48.8#
86 72.9 47.9 71.9#



#25
2-Butanone
Concen: 3.520 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.024 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion: 43 Resp: 342
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#

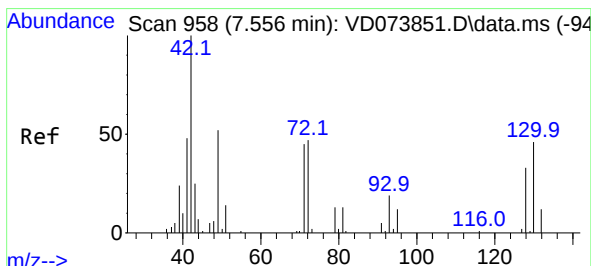
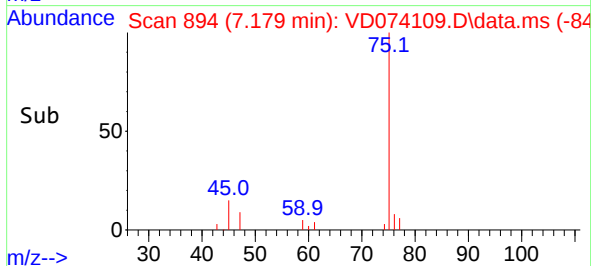
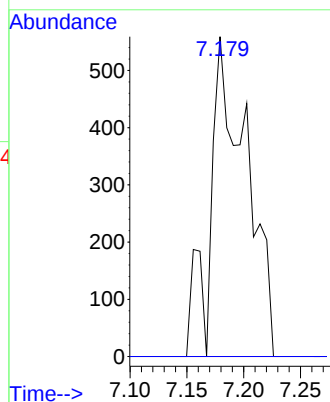
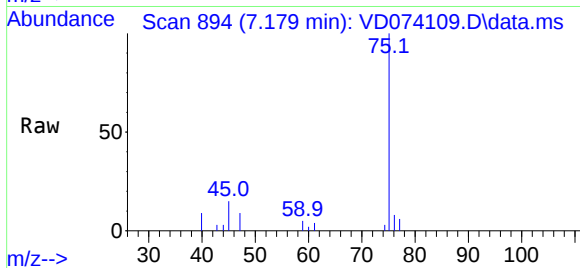




#26
2,2-Dichloropropane
Concen: 1.819 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.018 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

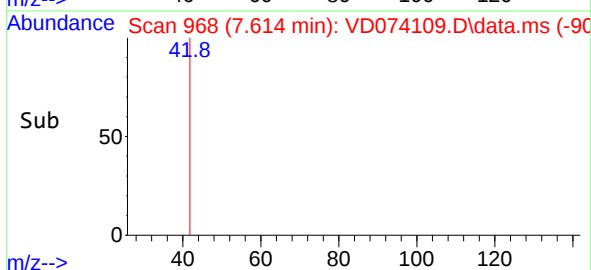
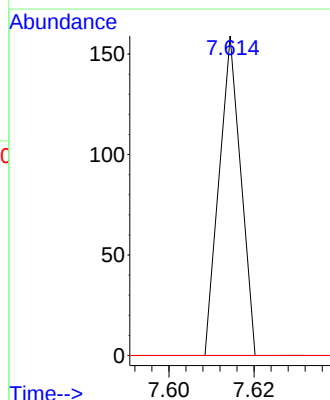
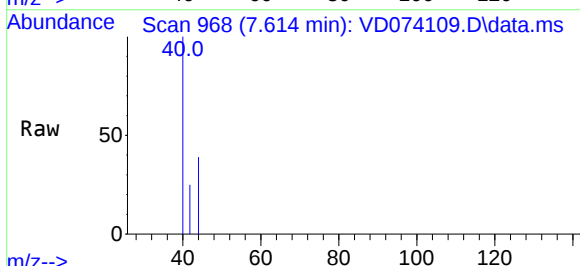
Instrument :
MSVOA_D
ClientSampleId :
SB16

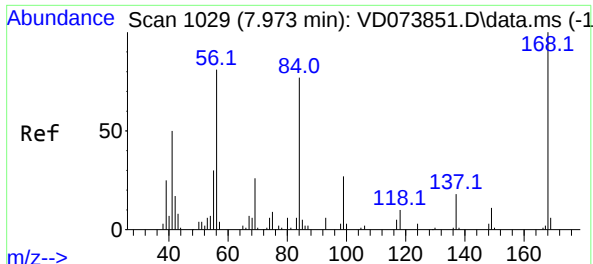
Tgt Ion: 77 Resp: 1247
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#



#29
Tetrahydrofuran
Concen: 1.055 ug/l
RT: 7.614 min Scan# 968
Delta R.T. 0.058 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion: 42 Resp: 56
Ion Ratio Lower Upper
42 100
72 0.0 30.7 46.1#
71 0.0 28.6 43.0#





#31

Cyclohexane

Concen: Below Cal

RT: 7.979 min Scan# 1029

Delta R.T. 0.006 min

Lab File: VD074109.D

Acq: 16 Aug 2022 18:50

Instrument :

MSVOA_D

ClientSampleId :

SB16

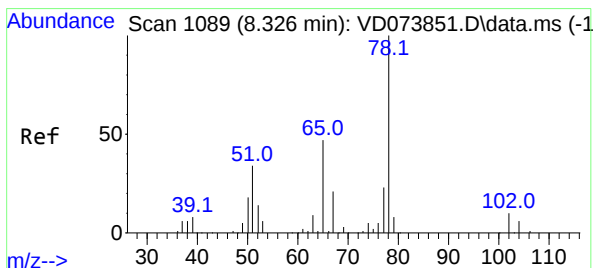
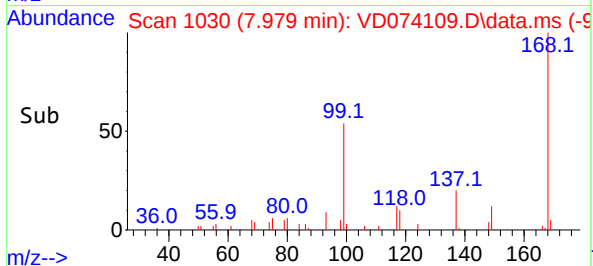
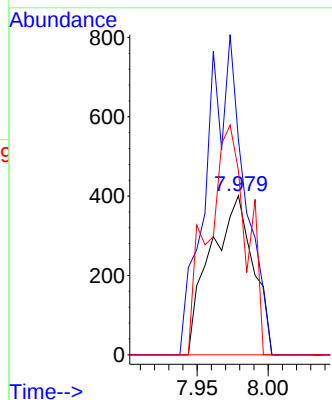
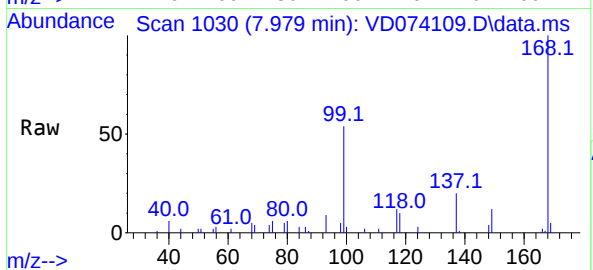
Tgt Ion: 56 Resp: 838

Ion Ratio Lower Upper

56 100

69 134.9 25.4 38.2#

84 115.7 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 102.426 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD074109.D

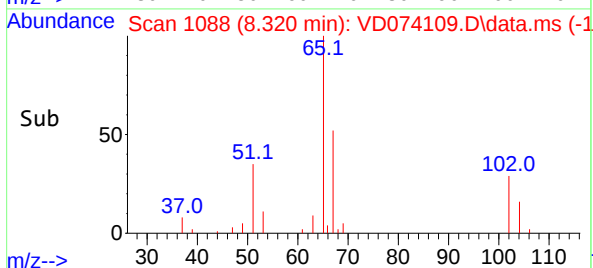
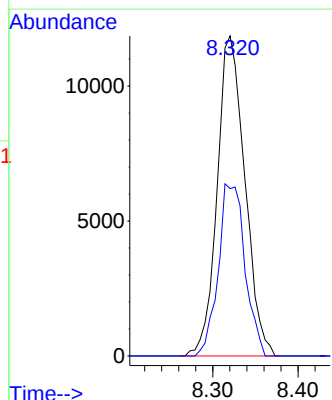
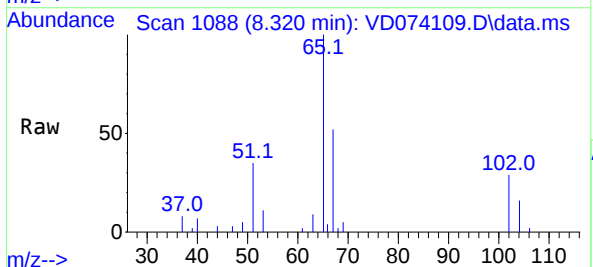
Acq: 16 Aug 2022 18:50

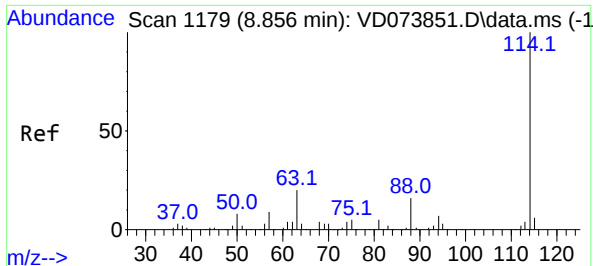
Tgt Ion: 65 Resp: 26743

Ion Ratio Lower Upper

65 100

67 51.7 0.0 101.4

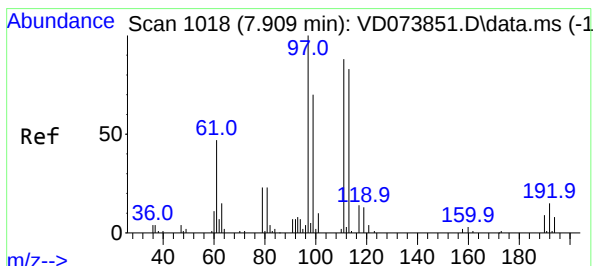
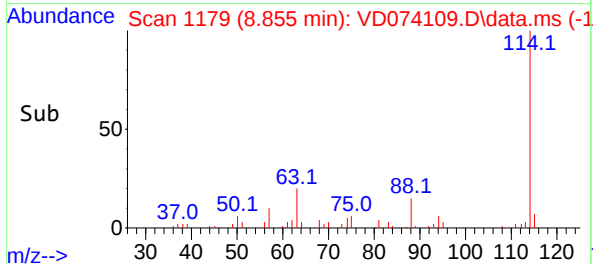
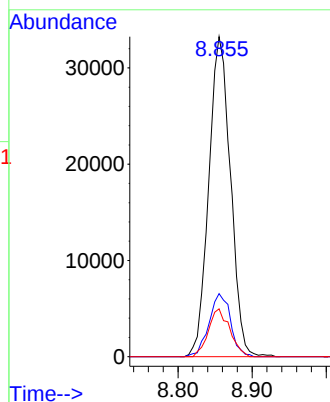
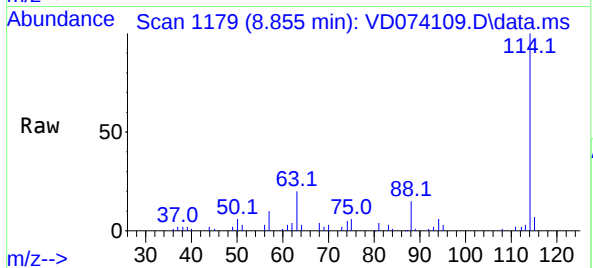




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

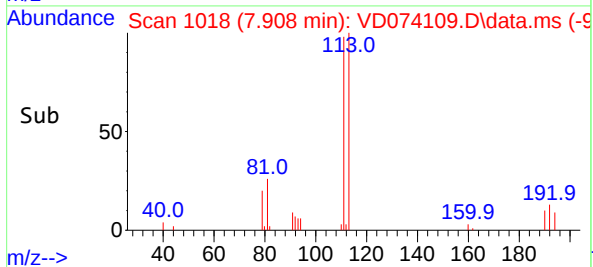
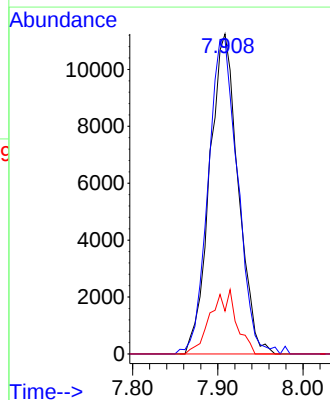
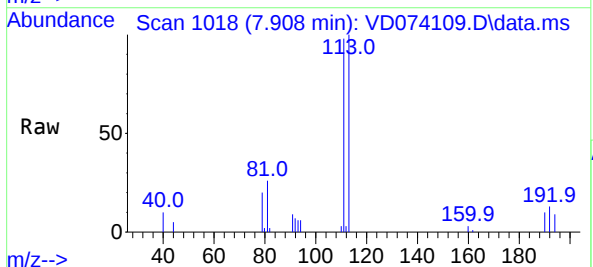
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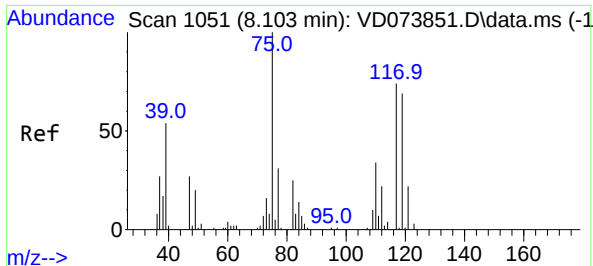
Tgt Ion:114 Resp: 67647
Ion Ratio Lower Upper
114 100
63 19.7 0.0 46.6
88 15.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 60.521 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion:113 Resp: 26162
Ion Ratio Lower Upper
113 100
111 102.1 83.8 125.6
192 18.1 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.326 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.136 min

Lab File: VD074109.D

Acq: 16 Aug 2022 18:50

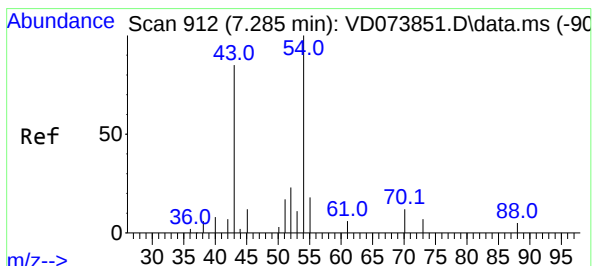
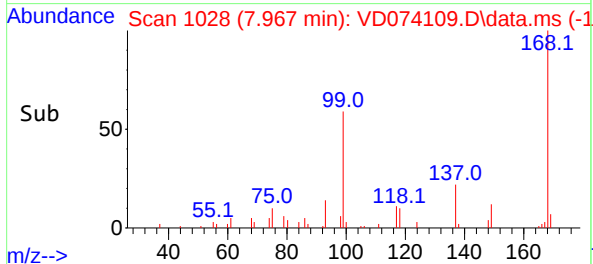
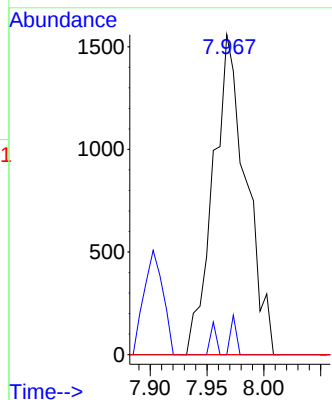
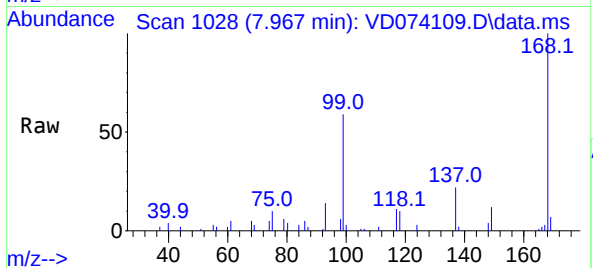
Instrument :

MSVOA_D

ClientSampleId :

SB16

Tgt Ion: 75	Resp: 3140
Ion Ratio	Lower Upper
75 100	
110 2.2	16.4 49.1#
77 0.0	24.2 36.2#



#37

Ethyl Acetate

Concen: 1.463 ug/l

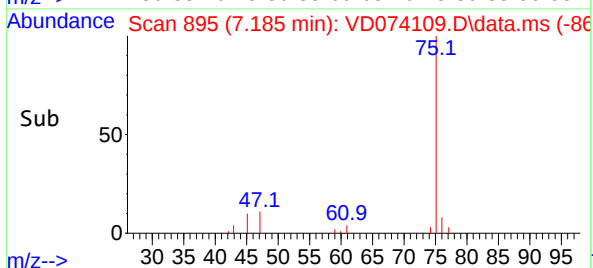
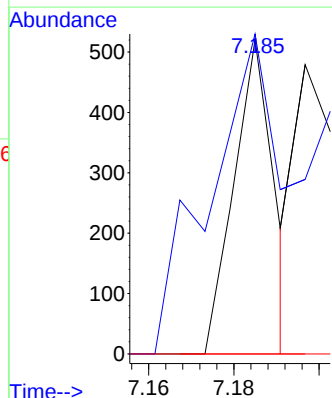
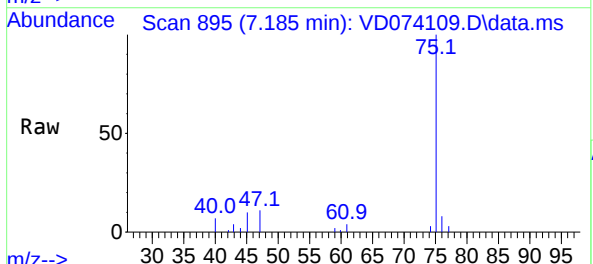
RT: 7.185 min Scan# 895

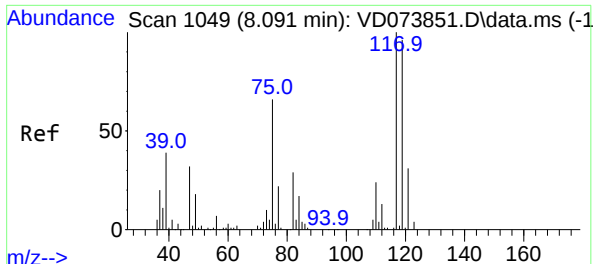
Delta R.T. -0.100 min

Lab File: VD074109.D

Acq: 16 Aug 2022 18:50

Tgt Ion: 43	Resp: 342
Ion Ratio	Lower Upper
43 100	
61 264.0	9.8 14.8#
70 0.0	6.9 10.3#

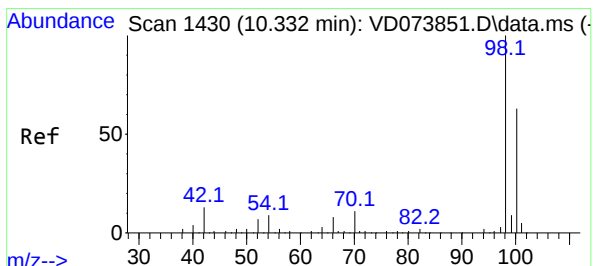
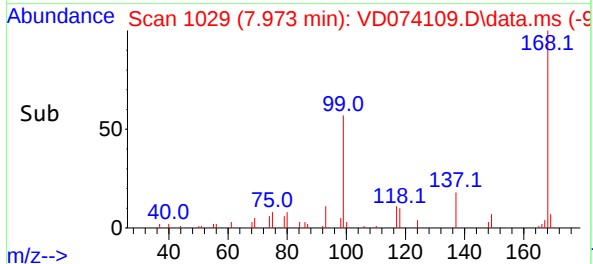
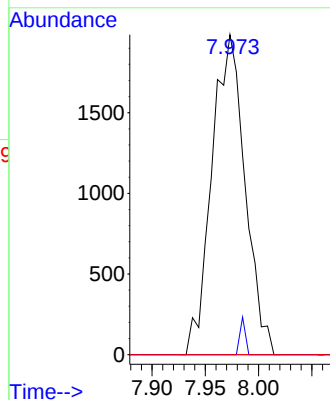
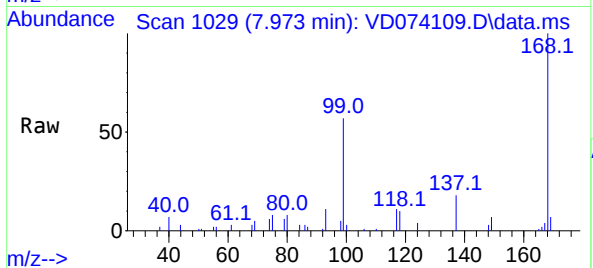




#38
Carbon Tetrachloride
Concen: 6.336 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

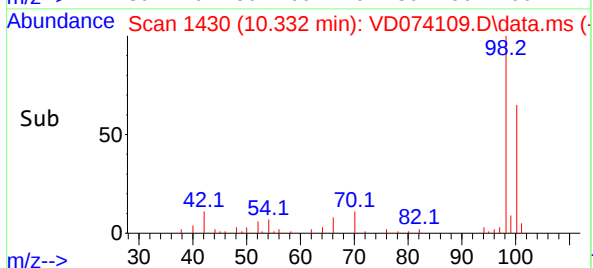
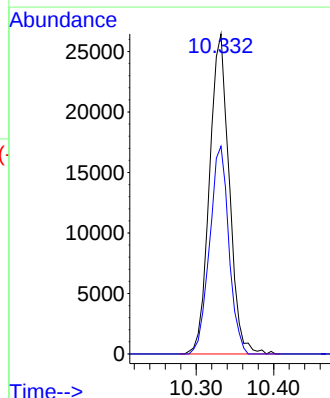
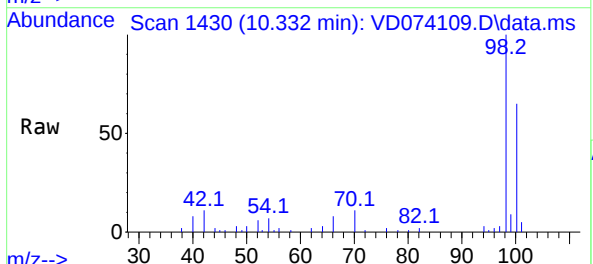
Instrument :
MSVOA_D
ClientSampleId :
SB16

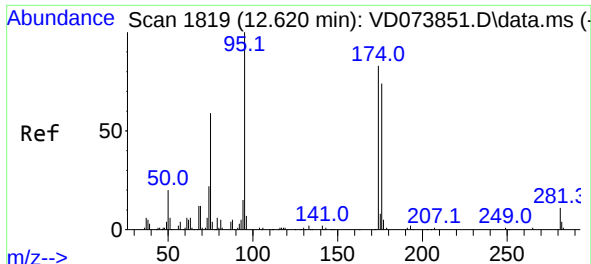
Tgt Ion:117 Resp: 4311
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 35.537 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion: 98 Resp: 46641
Ion Ratio Lower Upper
98 100
100 63.1 52.4 78.6

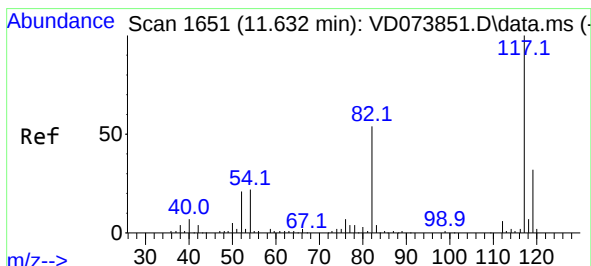
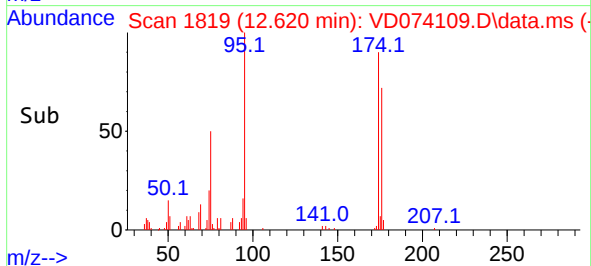
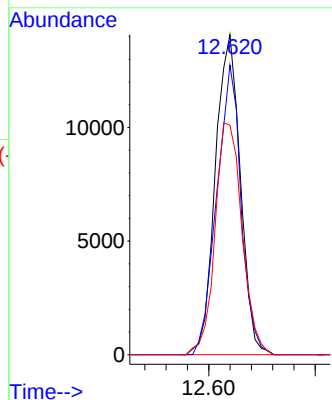
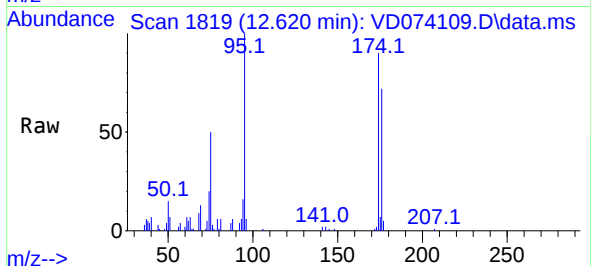




#62
4-Bromofluorobenzene
Concen: 42.216 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

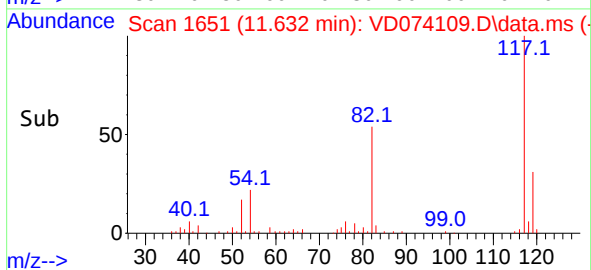
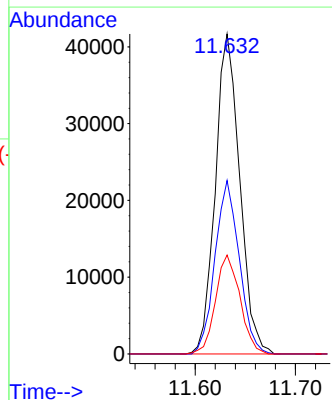
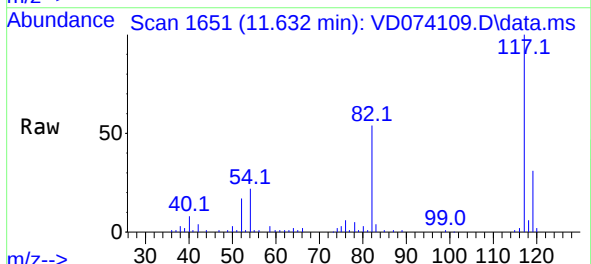
Instrument :
MSVOA_D
ClientSampleId :
SB16

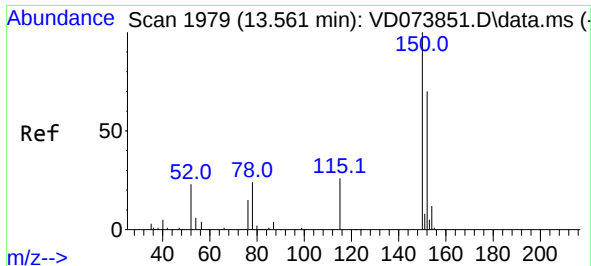
Tgt Ion: 95 Resp: 22880
Ion Ratio Lower Upper
95 100
174 88.3 0.0 152.8
176 78.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion: 117 Resp: 70315
Ion Ratio Lower Upper
117 100
82 54.2 45.3 67.9
119 30.9 26.6 40.0

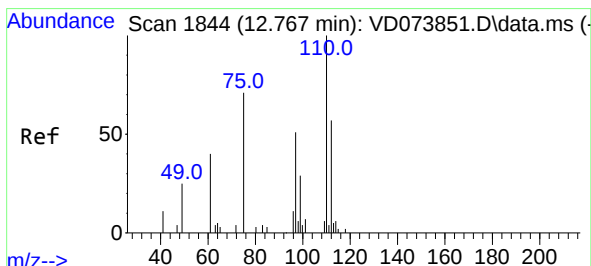
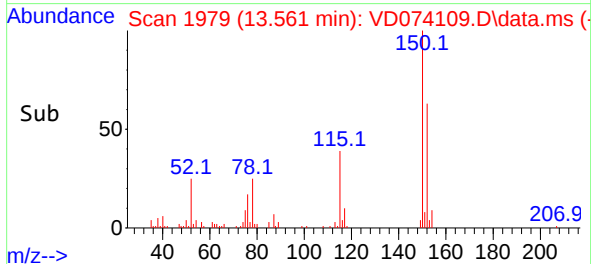
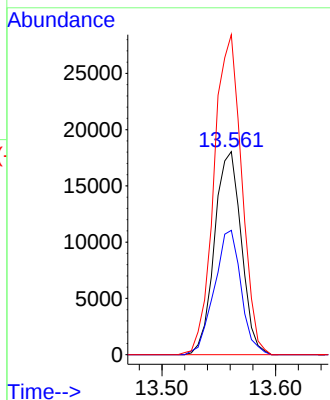
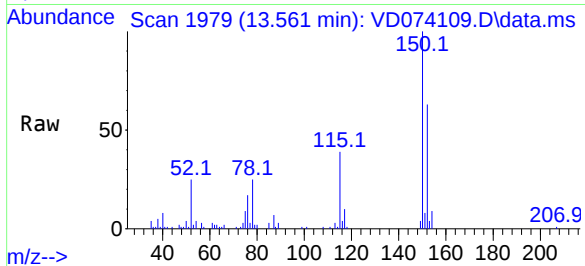




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

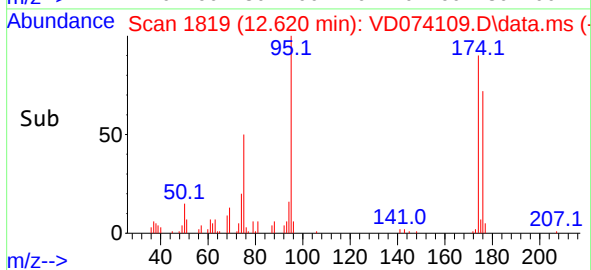
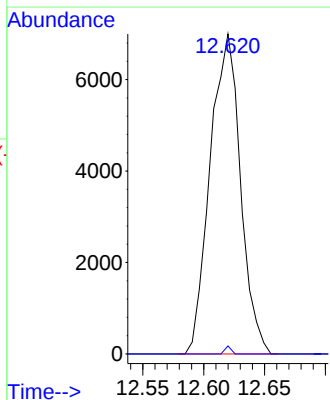
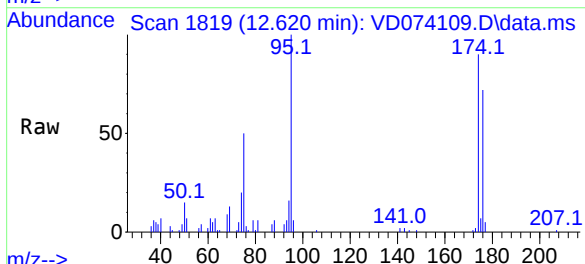
Instrument :
MSVOA_D
ClientSampleId :
SB16

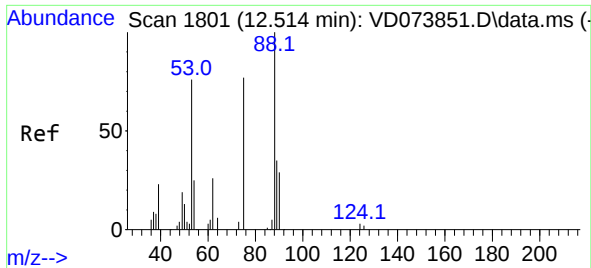
Tgt Ion:152 Resp: 29609
Ion Ratio Lower Upper
152 100
115 61.3 31.3 93.8
150 162.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 46.051 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Tgt Ion: 75 Resp: 12150
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 128.430 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074109.D
Acq: 16 Aug 2022 18:50

Instrument :
MSVOA_D
ClientSampleId :
SB16

Tgt Ion: 75 Resp: 12150
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

