

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081622\
 Data File : VD074116.D
 Acq On : 16 Aug 2022 22:10
 Operator : VA/SY
 Sample : N4121-02RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VOCRE

Quant Time: Aug 16 22:53:08 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)

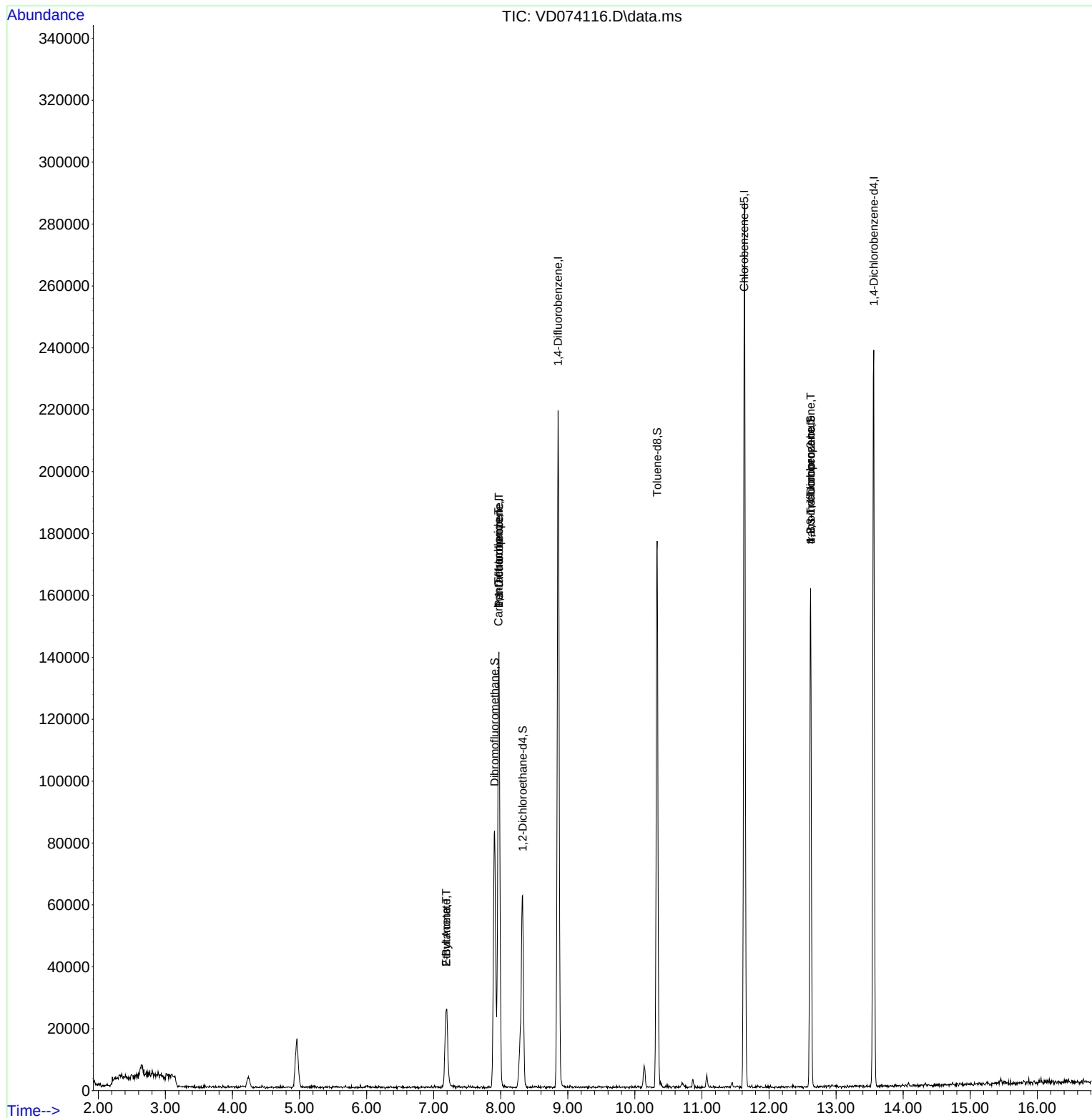
Internal Standards						
1) Pentafluorobenzene	7.973	168	100674	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	182531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	160656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	61261	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	46416	64.053	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.100%			
35) Dibromofluoromethane	7.908	113	57906	49.645	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.280%			
50) Toluene-d8	10.332	98	120023	33.891	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 67.780%			
62) 4-Bromofluorobenzene	12.620	95	49417	33.791	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 67.580%			
Target Compounds						
3) Chloromethane	2.209	50	107	Below Cal	#	40
6) Chloroethane	2.844	64	55	Below Cal	#	42
11) Tert butyl alcohol	5.214	59	234	Below Cal	#	74
16) Acetone	4.162	43	206	Below Cal	#	47
18) Methyl Acetate	4.756	43	55	Below Cal	#	55
20) Methylene Chloride	4.962	84	11774	Below Cal		88
25) 2-Butanone	7.185	43	904	3.513	ug/l #	82
31) Cyclohexane	7.961	56	2537	Below Cal	#	1
36) 1,1-Dichloropropene	7.973	75	8652	5.439	ug/l #	50
37) Ethyl Acetate	7.185	43	904	1.433	ug/l #	1
38) Carbon Tetrachloride	7.967	117	10867	5.919	ug/l #	19
76) 1,2,3-Trichloropropane	12.620	75	25994	47.618	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	25994	132.801	ug/l #	7

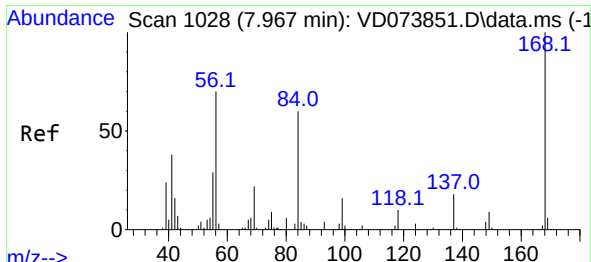
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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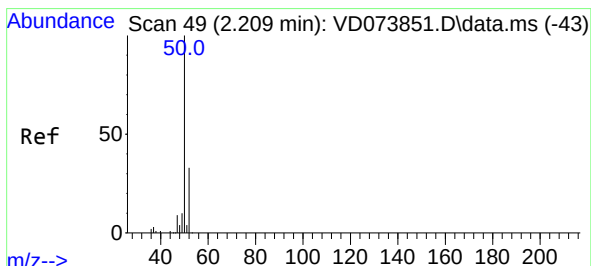
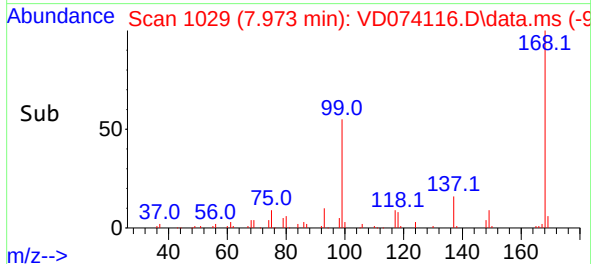
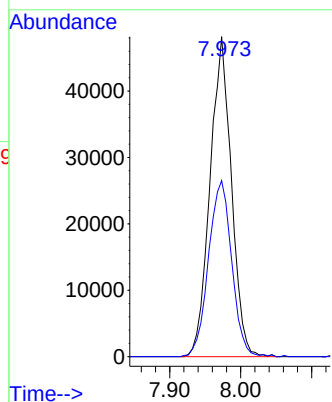
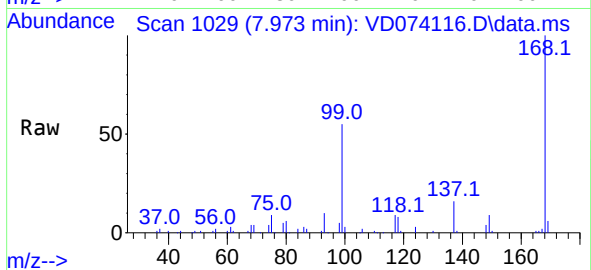




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

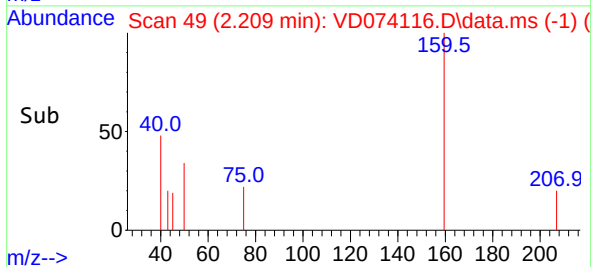
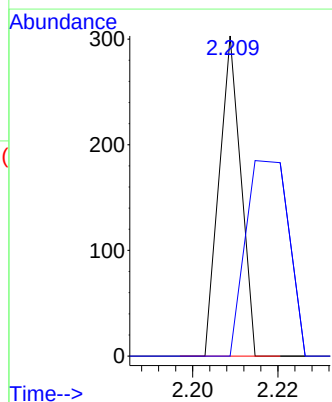
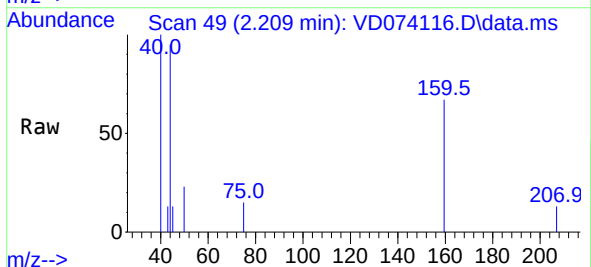
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

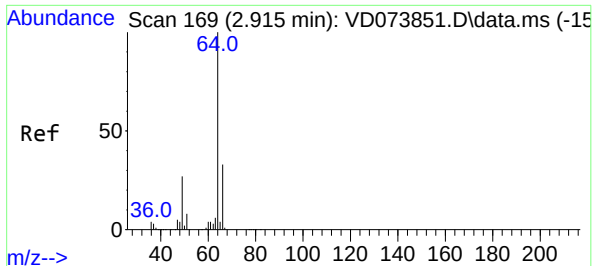
Tgt Ion:168 Resp: 100674
Ion Ratio Lower Upper
168 100
99 55.0 49.8 74.6



#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

Tgt Ion: 50 Resp: 107
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

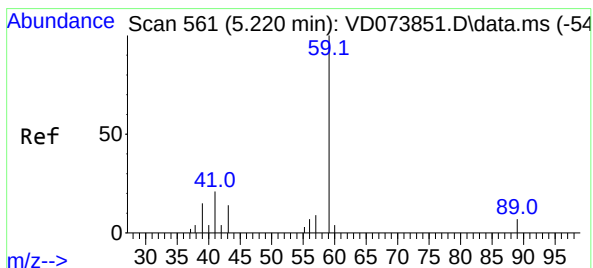
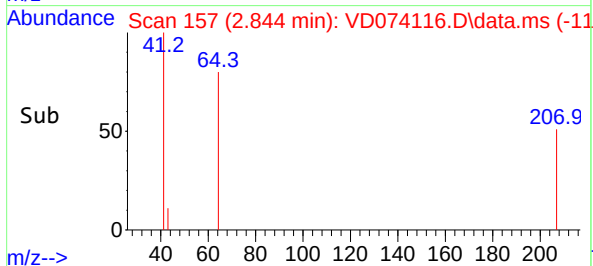
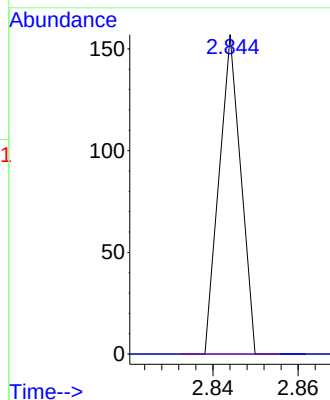
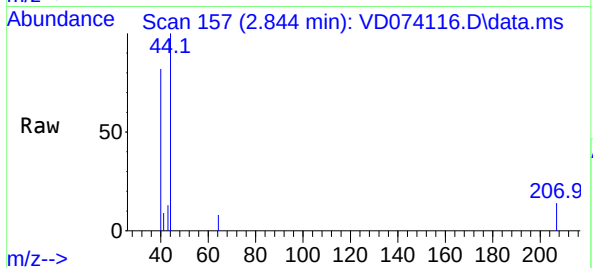




#6
Chloroethane
Concen: Below Cal
RT: 2.844 min Scan# 11
Delta R.T. -0.071 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

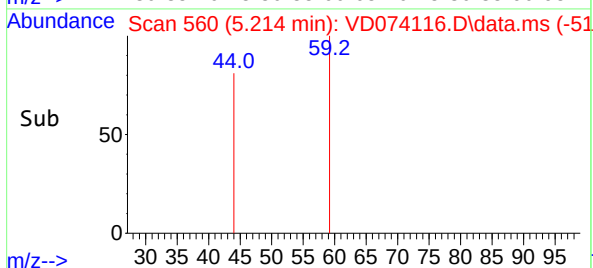
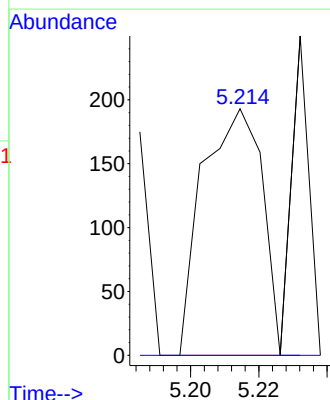
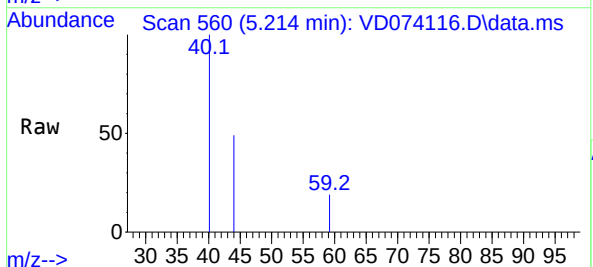
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

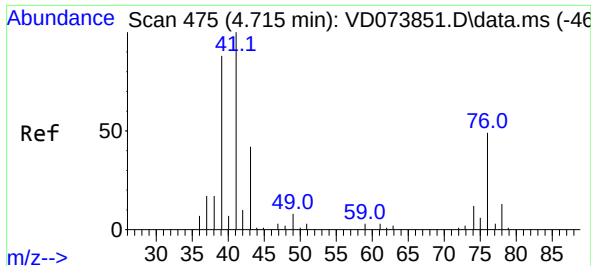
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 25.9 38.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.214 min Scan# 560
Delta R.T. -0.006 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

Tgt Ion: 59 Resp: 234
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.756 min Scan# 41

Delta R.T. 0.041 min

Lab File: VD074116.D

Acq: 16 Aug 2022 22:10

Instrument :

MSVOA_D

ClientSampleId :

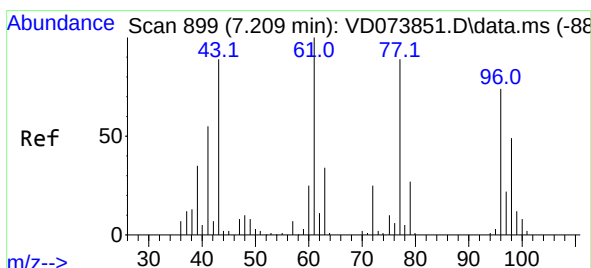
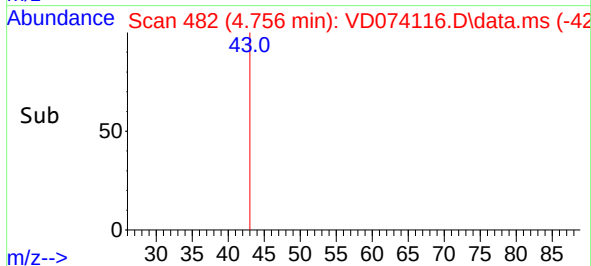
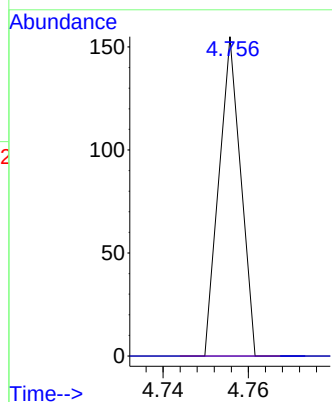
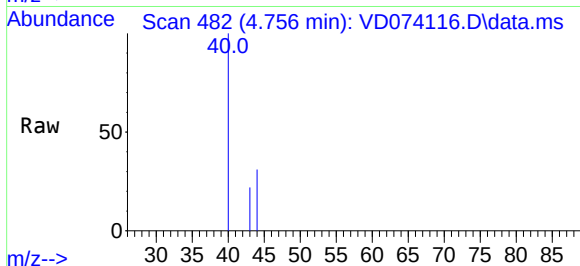
VOCRE

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#25

2-Butanone

Concen: 3.513 ug/l

RT: 7.185 min Scan# 895

Delta R.T. -0.024 min

Lab File: VD074116.D

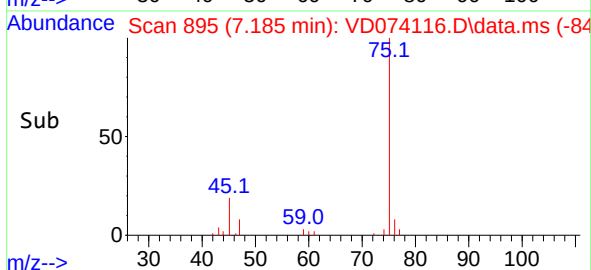
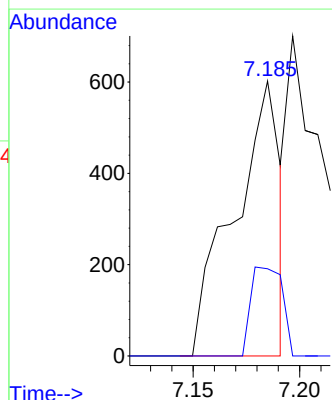
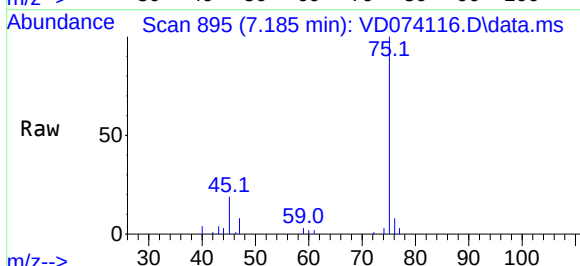
Acq: 16 Aug 2022 22:10

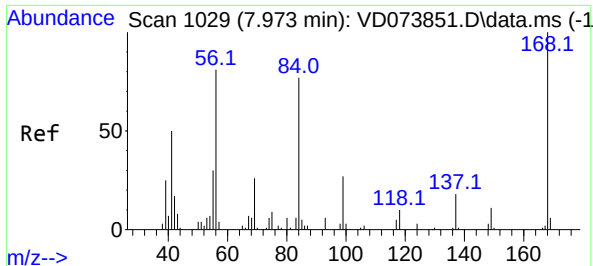
Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

43 100

72 31.7 18.6 27.8#

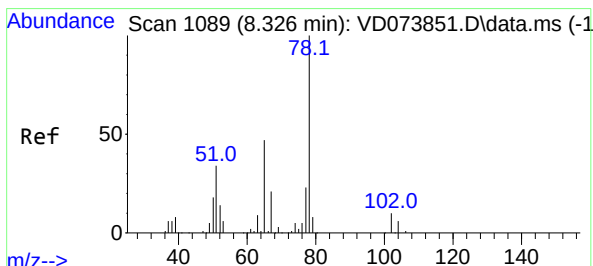
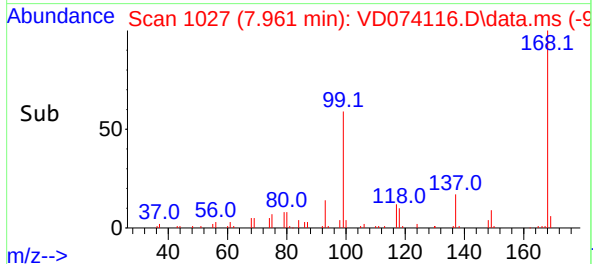
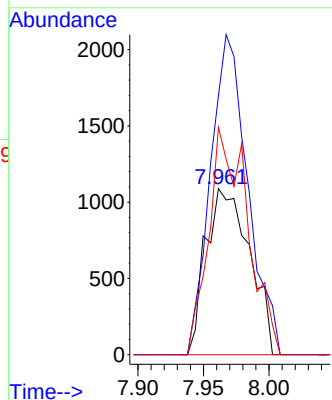
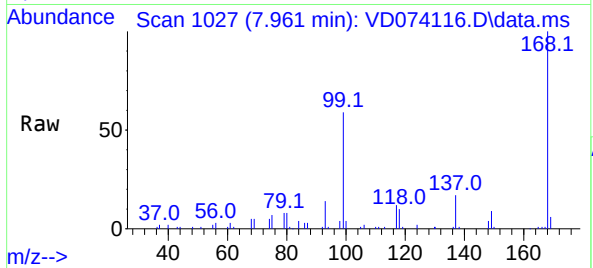




#31
Cyclohexane
Concen: Below Cal
RT: 7.961 min Scan# 1027
Delta R.T. -0.012 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

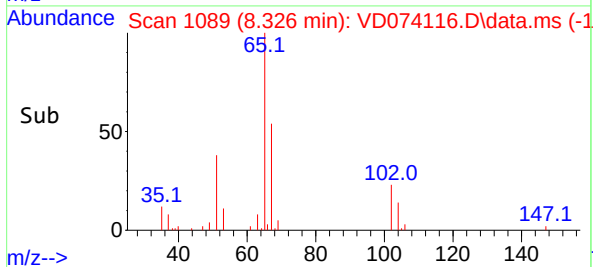
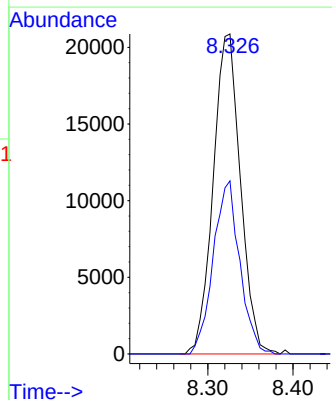
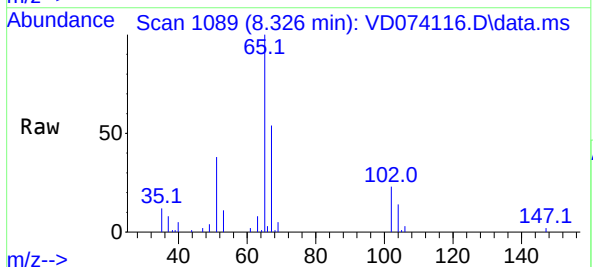
Instrument :
MSVOA_D
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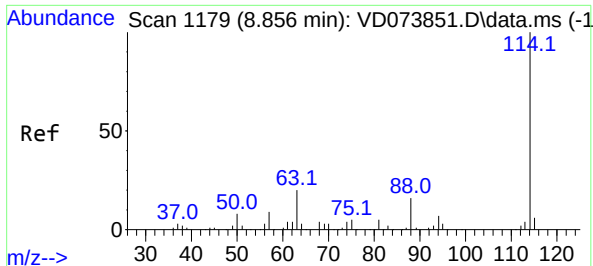
Tgt Ion: 56 Resp: 2537
Ion Ratio Lower Upper
56 100
69 155.8 25.4 38.2#
84 136.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 64.053 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

Tgt Ion: 65 Resp: 46416
Ion Ratio Lower Upper
65 100
67 52.5 0.0 101.4

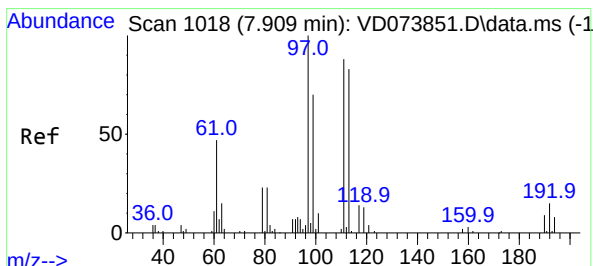
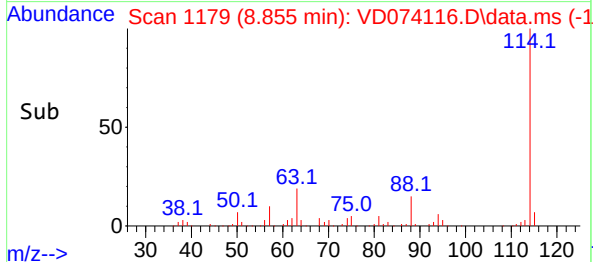
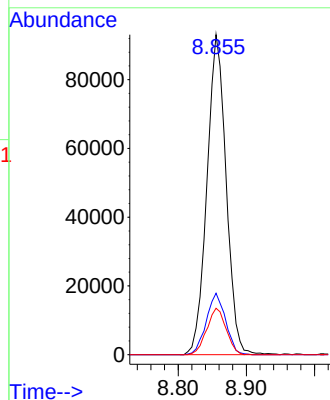
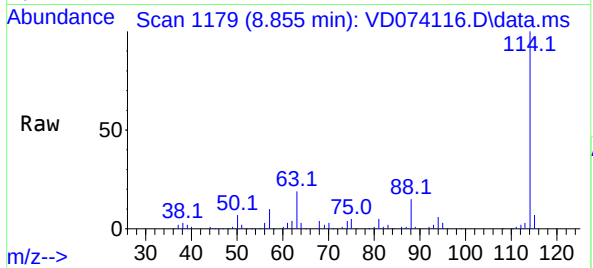




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

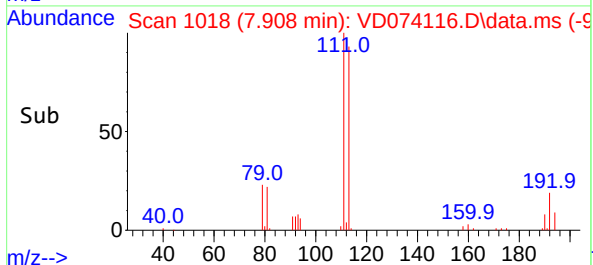
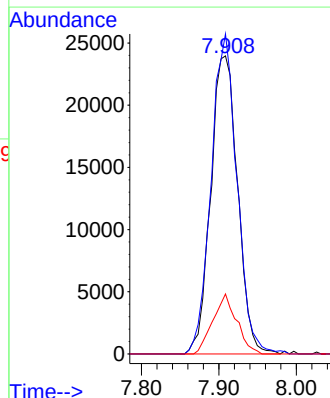
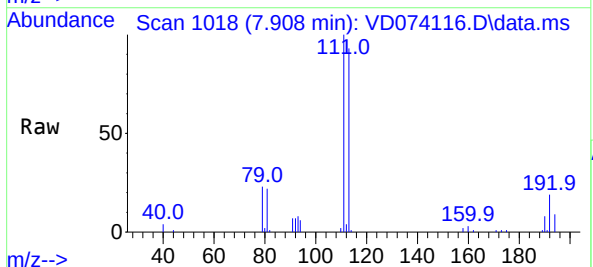
Instrument :
MSVOA_D
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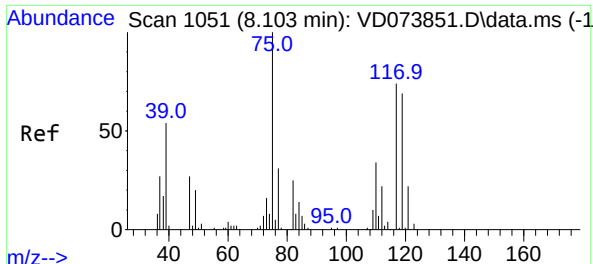
Tgt Ion:114 Resp: 182531
Ion Ratio Lower Upper
114 100
63 19.2 0.0 46.6
88 14.5 0.0 33.2



#35
Dibromofluoromethane
Concen: 49.645 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.001 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

Tgt Ion:113 Resp: 57906
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.6
192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.439 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.130 min

Lab File: VD074116.D

Acq: 16 Aug 2022 22:10

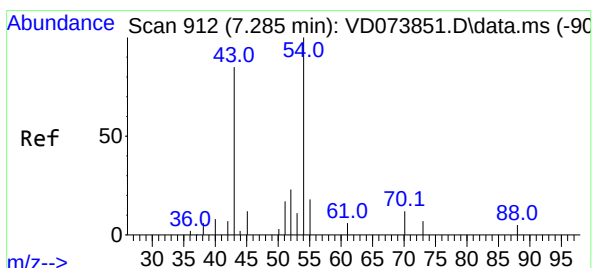
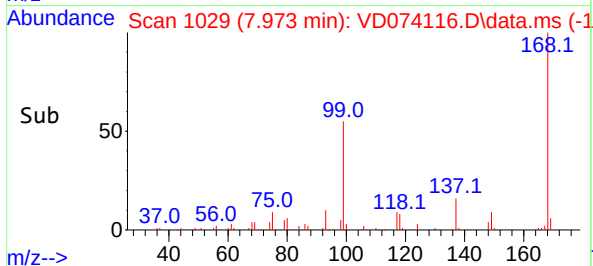
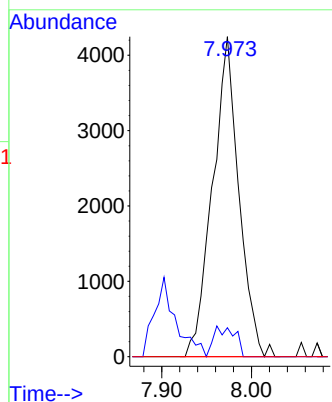
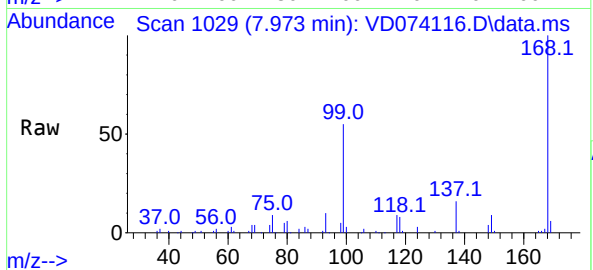
Instrument :

MSVOA_D

ClientSampleId :

VOCRE

Tgt Ion: 75 Resp: 8652
 Ion Ratio Lower Upper
 75 100
 110 7.7 16.4 49.1#
 77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.433 ug/l

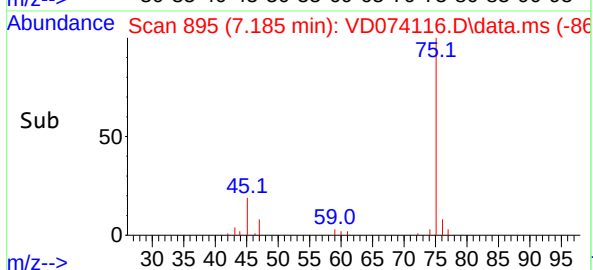
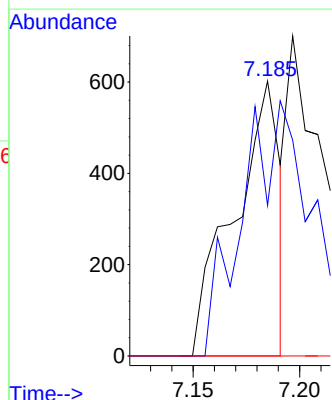
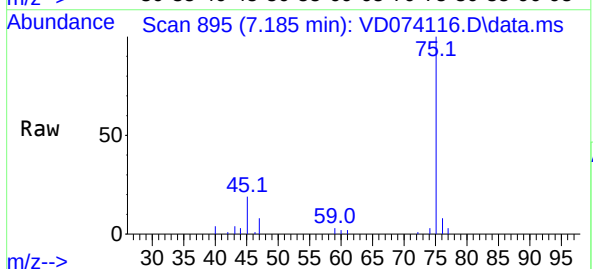
RT: 7.185 min Scan# 895

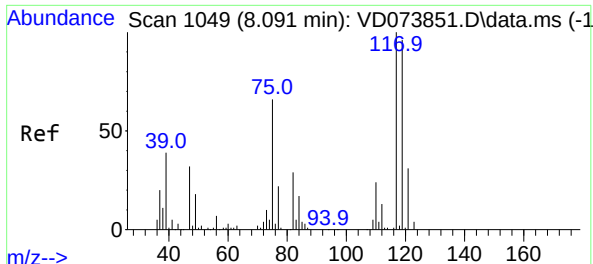
Delta R.T. -0.100 min

Lab File: VD074116.D

Acq: 16 Aug 2022 22:10

Tgt Ion: 43 Resp: 904
 Ion Ratio Lower Upper
 43 100
 61 133.7 9.8 14.8#
 70 0.0 6.9 10.3#

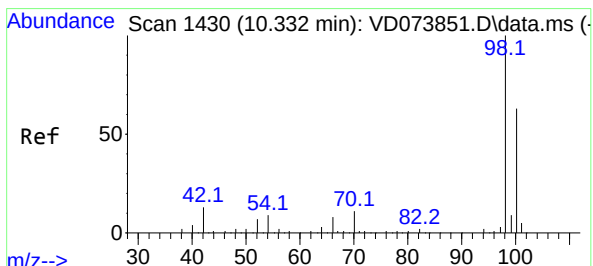
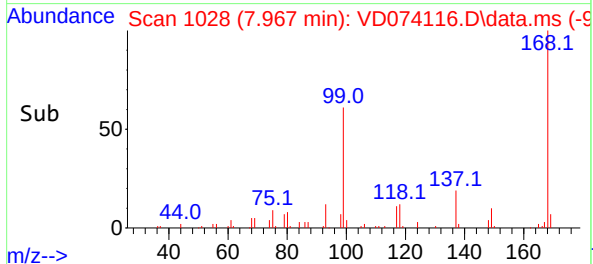
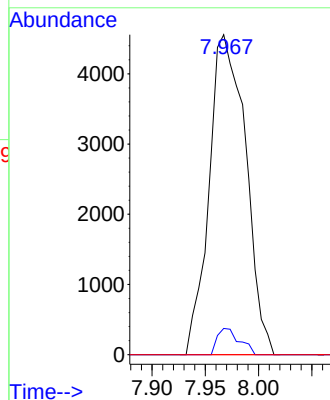
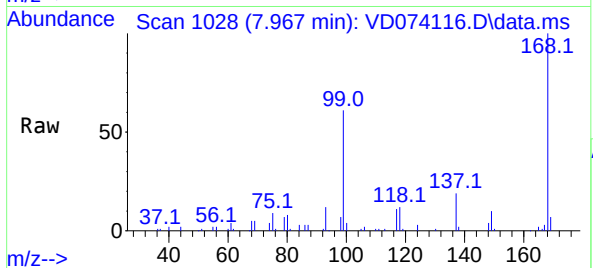




#38
Carbon Tetrachloride
Concen: 5.919 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.124 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

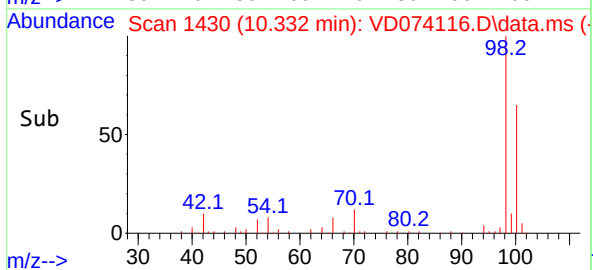
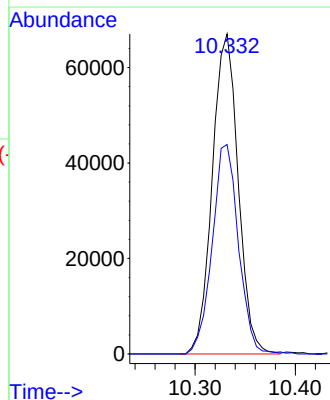
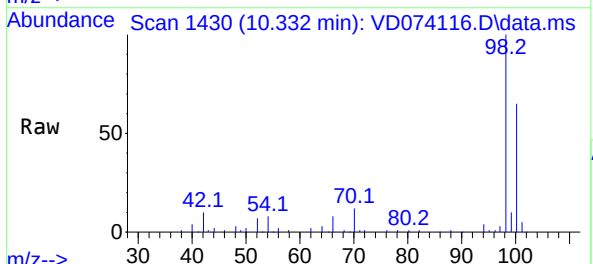
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

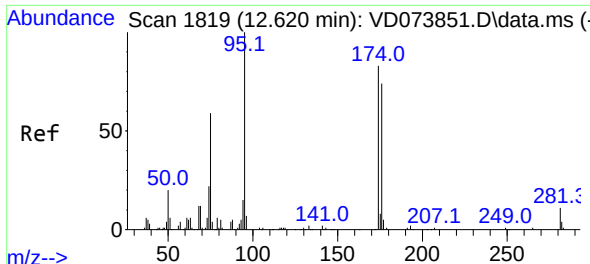
Tgt Ion:117 Resp: 10867
Ion Ratio Lower Upper
117 100
119 8.2 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 33.891 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

Tgt Ion: 98 Resp: 120023
Ion Ratio Lower Upper
98 100
100 66.4 52.4 78.6

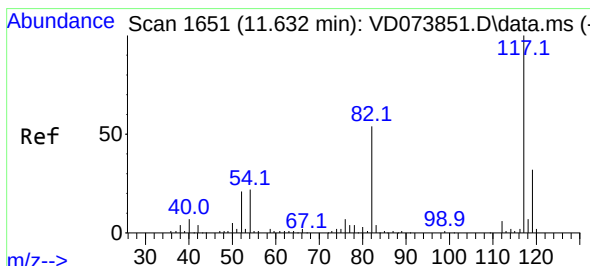
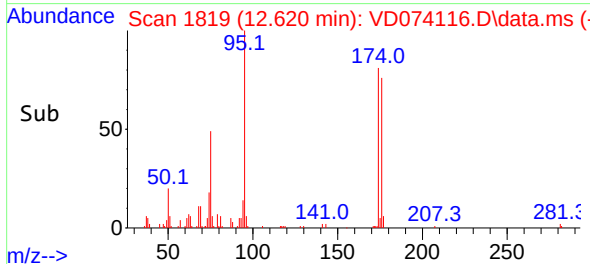
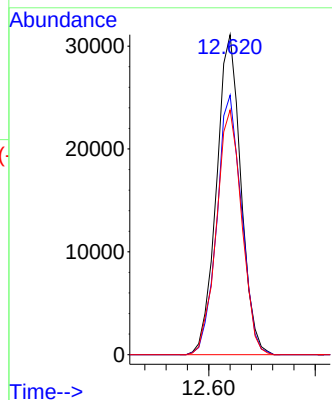
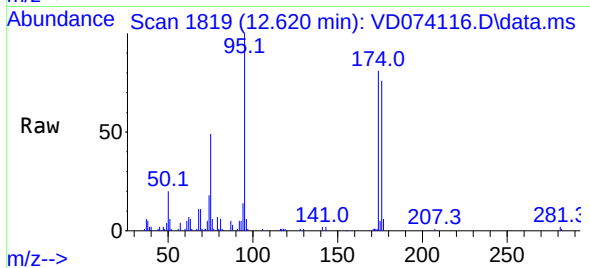




#62
4-Bromofluorobenzene
Concen: 33.791 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

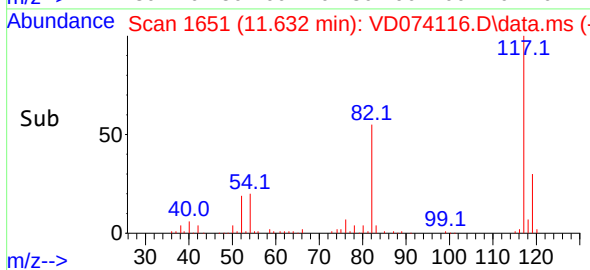
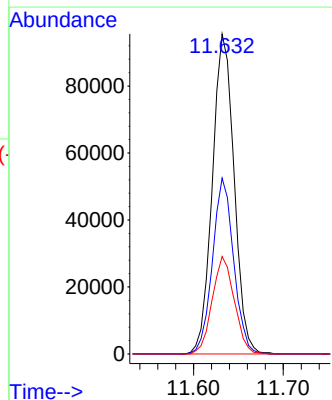
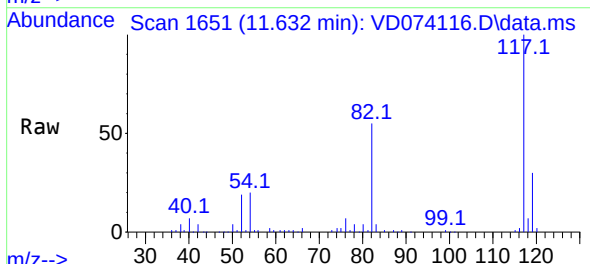
Instrument :
MSVOA_D
ClientSampleId :
VOCRE

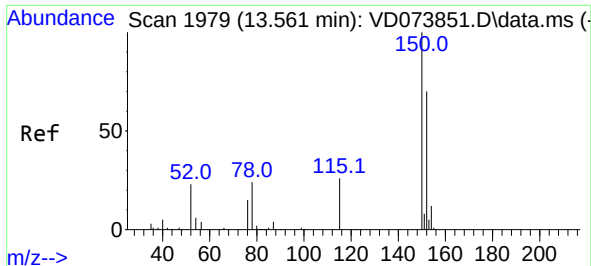
Tgt Ion: 95 Resp: 49417
Ion Ratio Lower Upper
95 100
174 82.0 0.0 152.8
176 79.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD074116.D
Acq: 16 Aug 2022 22:10

Tgt Ion: 117 Resp: 160656
Ion Ratio Lower Upper
117 100
82 54.9 45.3 67.9
119 30.5 26.6 40.0

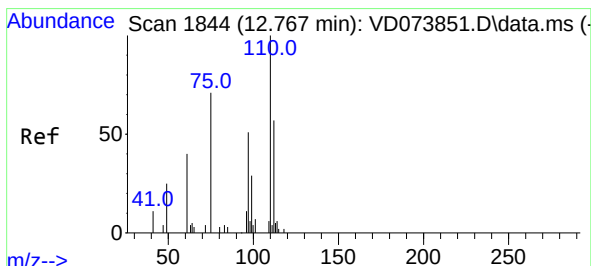
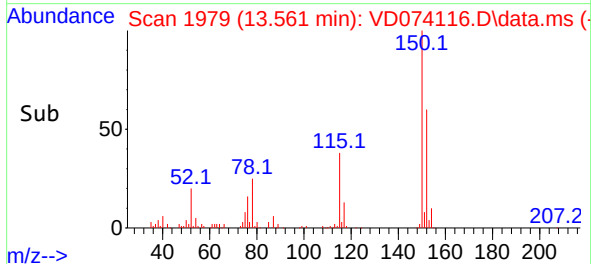
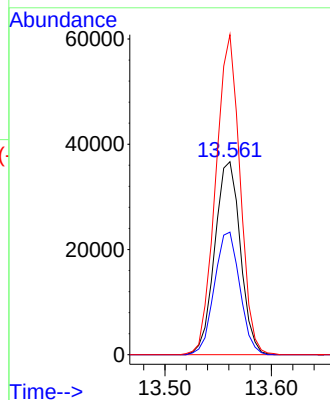
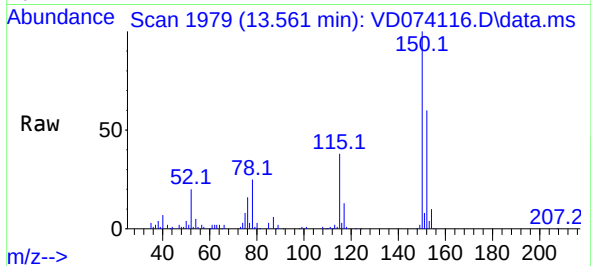




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD074116.D
 Acq: 16 Aug 2022 22:10

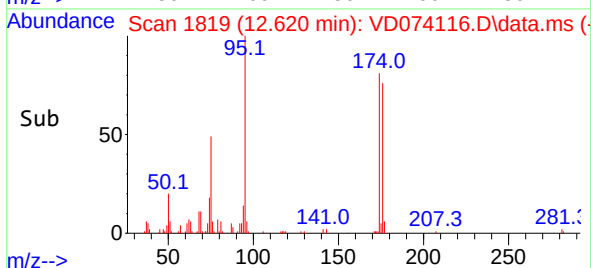
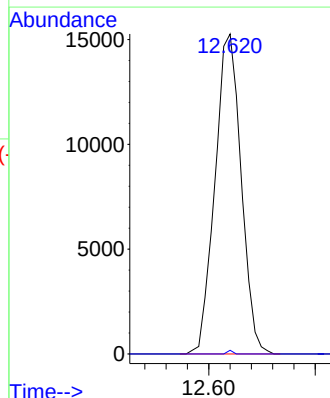
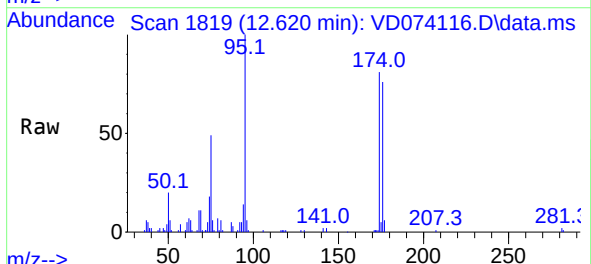
Instrument :
 MSVOA_D
 ClientSampleId :
 VOCRE

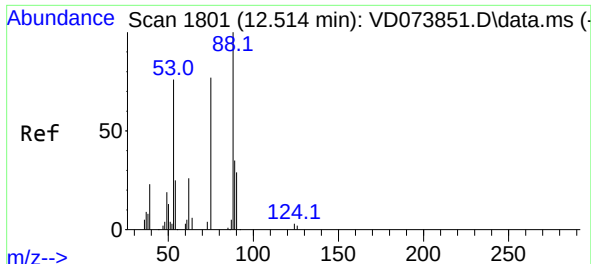
Tgt Ion:152 Resp: 61261
 Ion Ratio Lower Upper
 152 100
 115 63.1 31.3 93.8
 150 157.5 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 47.618 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD074116.D
 Acq: 16 Aug 2022 22:10

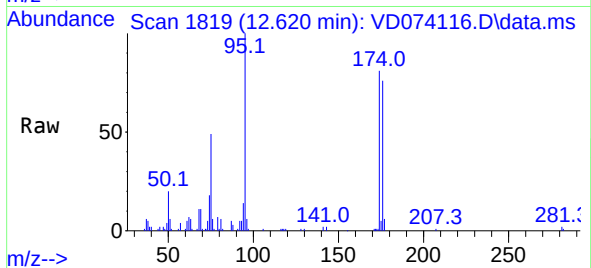
Tgt Ion: 75 Resp: 25994
 Ion Ratio Lower Upper
 75 100
 77 0.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.801 ug/l
 RT: 12.620 min Scan# 1801
 Delta R.T. 0.106 min
 Lab File: VD074116.D
 Acq: 16 Aug 2022 22:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VOCRE



Tgt Ion: 75 Resp: 25994
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

