

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021722\
 Data File : VX027086.D
 Acq On : 17 Feb 2022 18:29
 Operator : JC/MD
 Sample : N1534-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-SOCK

Quant Time: Feb 18 03:53:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 08 07:07:46 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	102767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	175511	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	155103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	74501	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66437	53.856	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.720%	
35) Dibromofluoromethane	5.391	113	55614	53.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.380%	
50) Toluene-d8	8.653	98	202113	52.657	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.320%	
62) 4-Bromofluorobenzene	11.085	95	75870	56.144	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.280%	

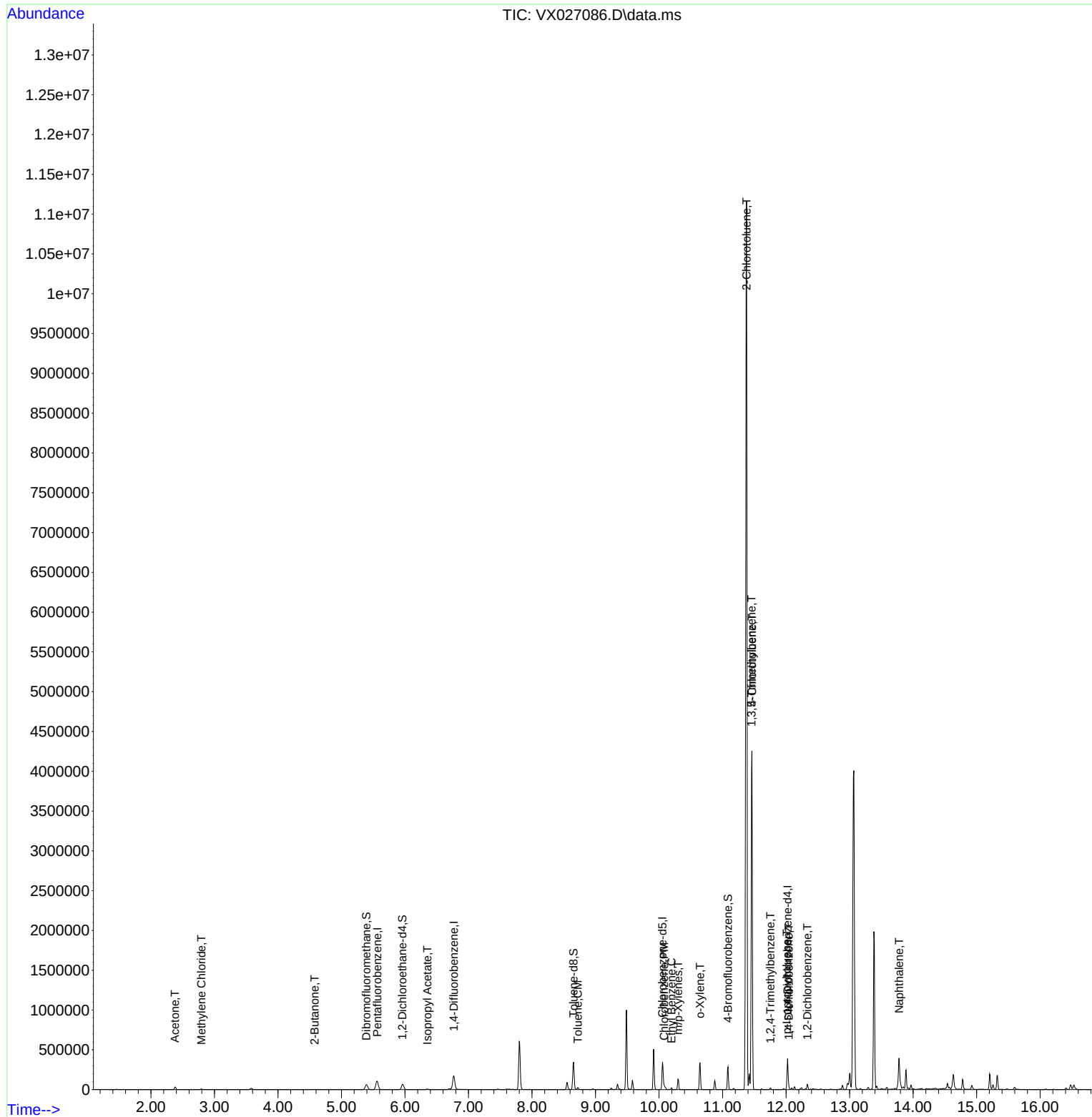
Target Compounds						Qvalue
16) Acetone	2.380	43	35556	65.624	ug/l	94
20) Methylene Chloride	2.794	84	3903	3.325	ug/l	93
25) 2-Butanone	4.574	43	3291	3.770	ug/l	91
43) Isopropyl Acetate	6.355	43	9968	3.456	ug/l	99
52) Toluene	8.720	92	9413	3.092	ug/l	100
65) Chlorobenzene	10.079	112	19309	6.020	ug/l	99
67) Ethyl Benzene	10.195	91	12218	2.152	ug/l	95
68) m/p-Xylenes	10.299	106	29927	13.701	ug/l	100
69) o-Xylene	10.646	106	70719	33.041	ug/l	97
79) 2-Chlorotoluene	11.378	91	5255751	1307.523	ug/l	95
80) 1,3,5-Trimethylbenzene	11.457	105	1977	0.409	ug/l	79
82) 4-Chlorotoluene	11.463	91	1968362	436.506	ug/l	89
84) 1,2,4-Trimethylbenzene	11.756	105	9408	1.931	ug/l	100
86) p-Isopropyltoluene	12.012	119	5811	1.176	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	12256	4.755	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	20158	8.173	ug/l	99
95) Naphthalene	13.780	128	215488	39.525	ug/l	99

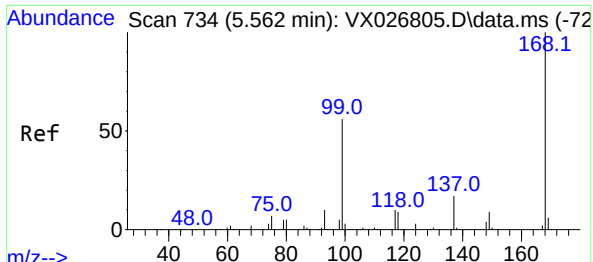
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Feb 08 07:07:46 2022
Response via : Initial Calibration

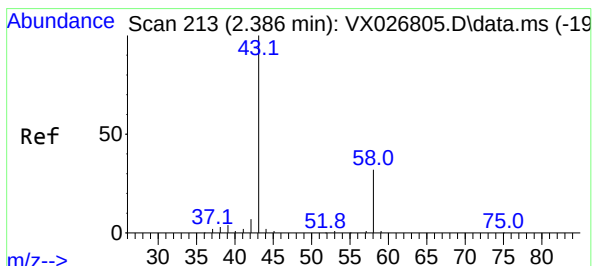
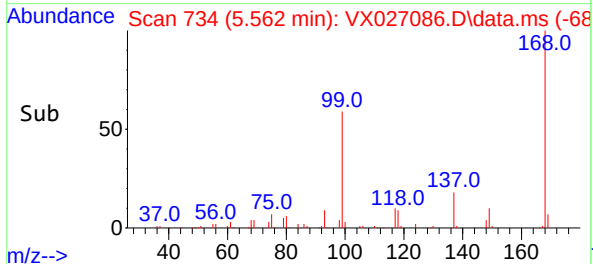
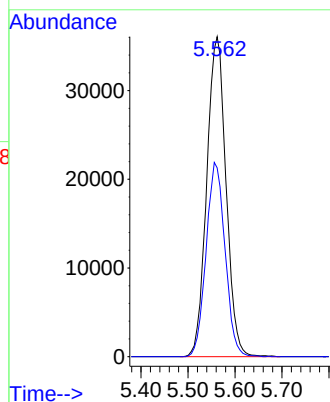
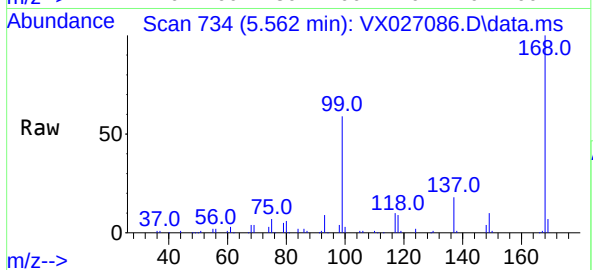




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

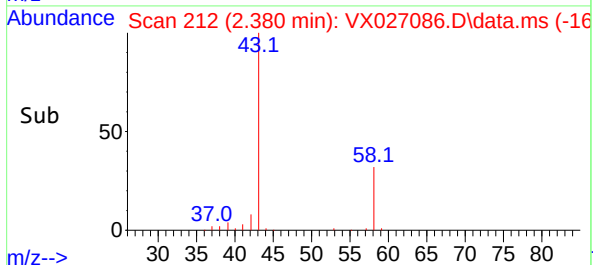
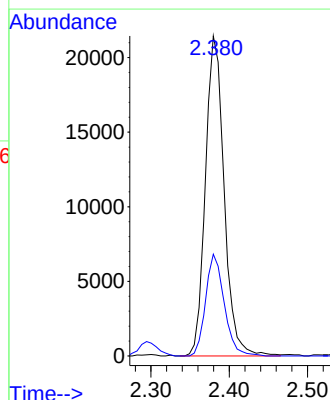
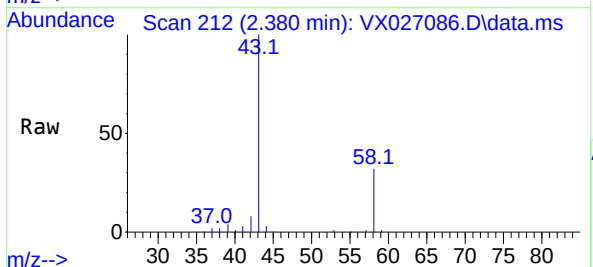
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

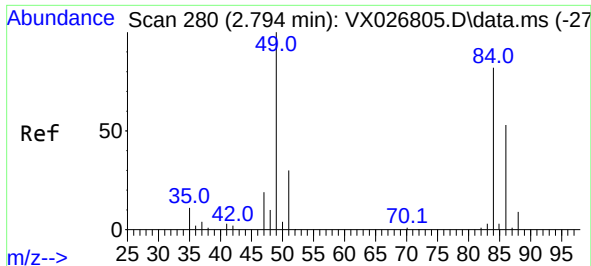
Tgt Ion:168 Resp: 102767
Ion Ratio Lower Upper
168 100
99 59.0 50.3 75.5



#16
Acetone
Concen: 65.624 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion: 43 Resp: 35556
Ion Ratio Lower Upper
43 100
58 31.8 23.0 34.6





#20

Methylene Chloride

Concen: 3.325 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX027086.D

Acq: 17 Feb 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

NAPL-SOCK

Tgt Ion: 84 Resp: 3903

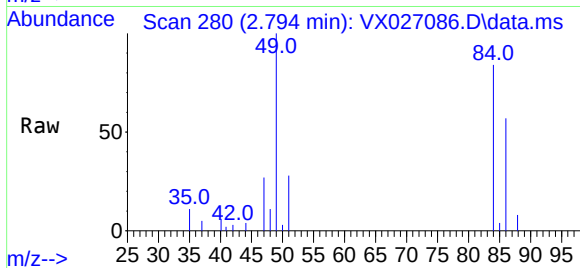
Ion Ratio Lower Upper

84 100

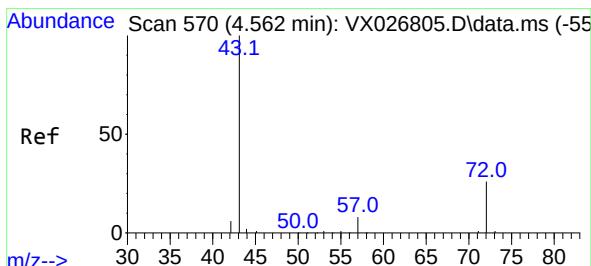
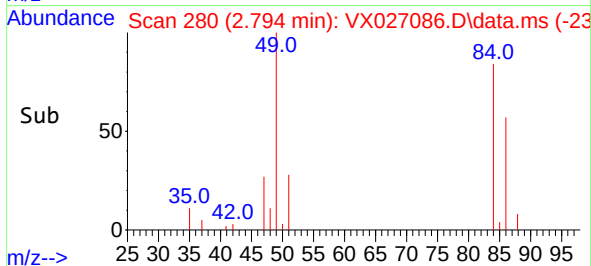
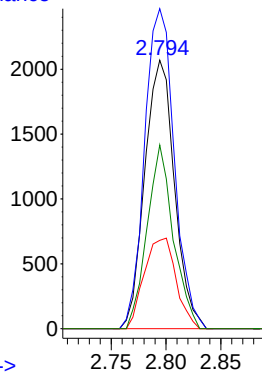
49 119.2 101.5 152.3

51 32.9 31.2 46.8

86 68.4 51.3 76.9



Abundance



#25

2-Butanone

Concen: 3.770 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX027086.D

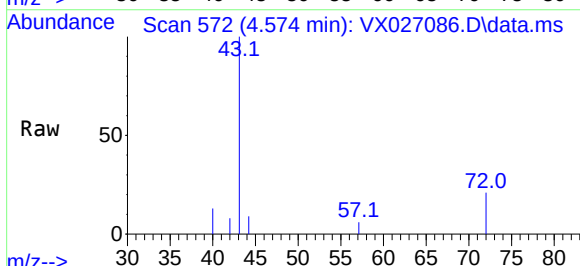
Acq: 17 Feb 2022 18:29

Tgt Ion: 43 Resp: 3291

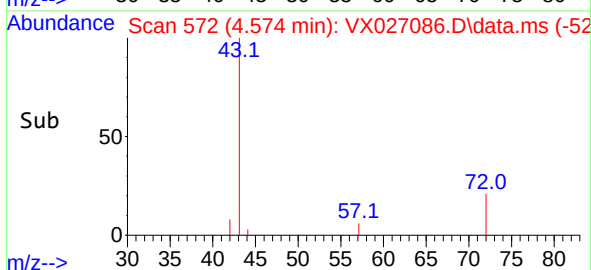
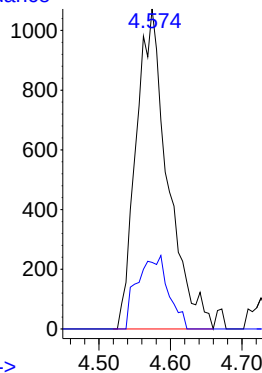
Ion Ratio Lower Upper

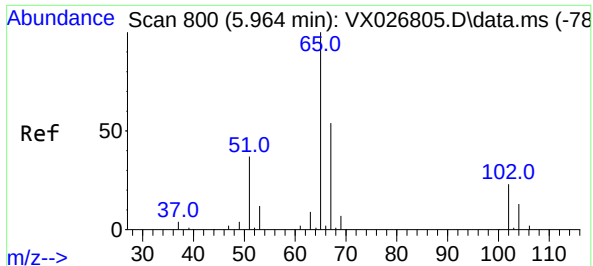
43 100

72 20.8 20.4 30.6



Abundance

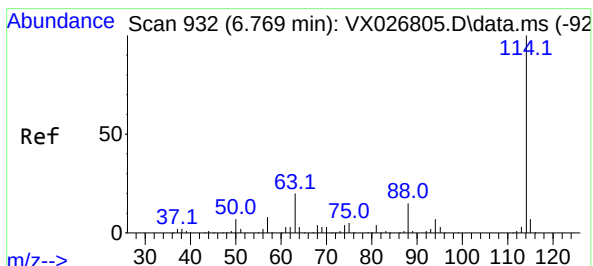
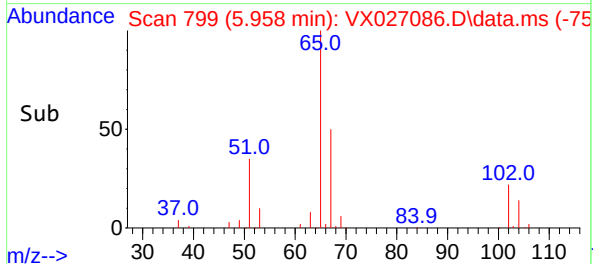
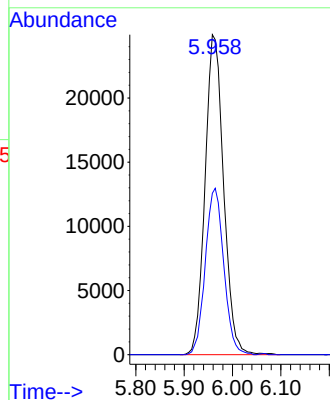
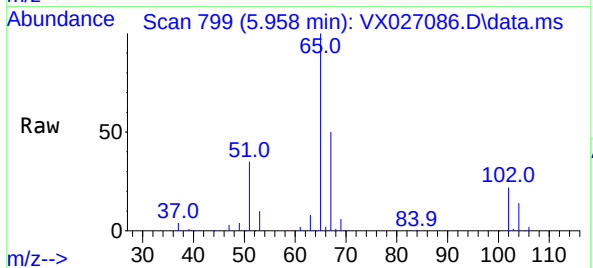




#33
 1,2-Dichloroethane-d4
 Concen: 53.856 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.006 min
 Lab File: VX027086.D
 Acq: 17 Feb 2022 18:29

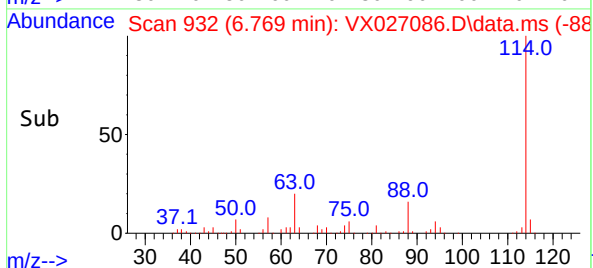
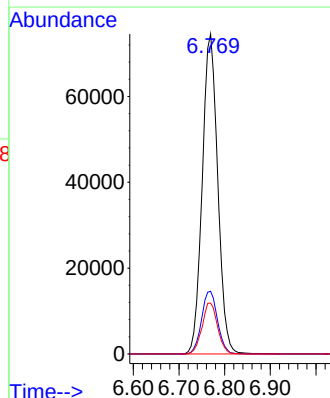
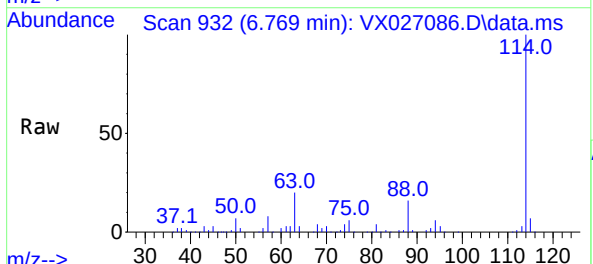
Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-SOCK

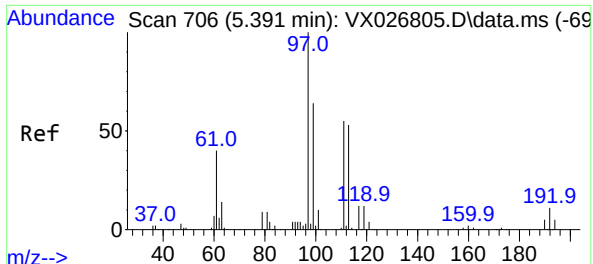
Tgt Ion: 65 Resp: 66437
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX027086.D
 Acq: 17 Feb 2022 18:29

Tgt Ion: 114 Resp: 175511
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 42.8
 88 15.9 0.0 33.0



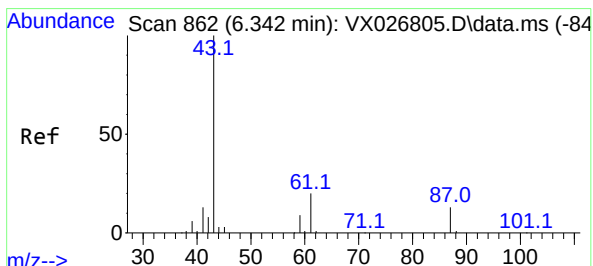
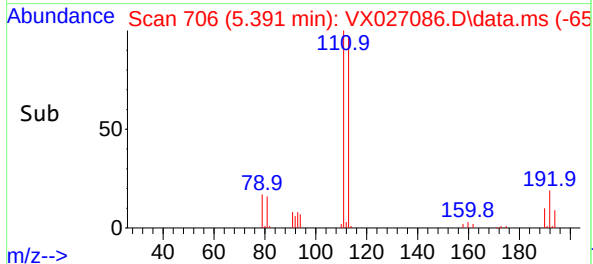
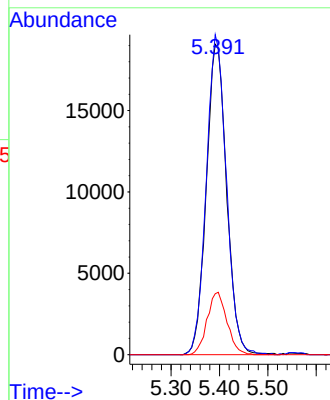
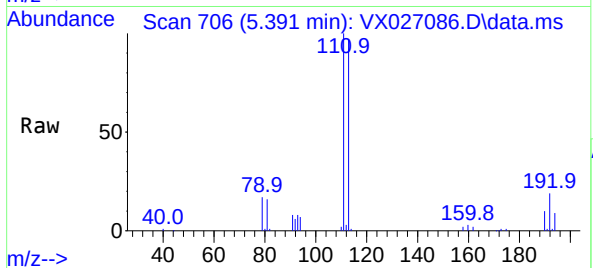


#35
 Dibromofluoromethane
 Concen: 53.186 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: VX027086.D
 Acq: 17 Feb 2022 18:29

Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-SOCK

Tgt Ion: 113 Resp: 55614

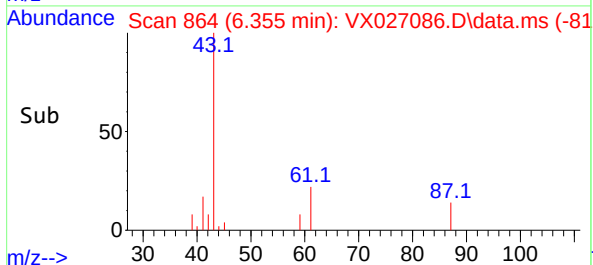
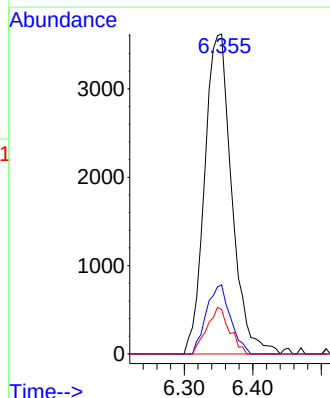
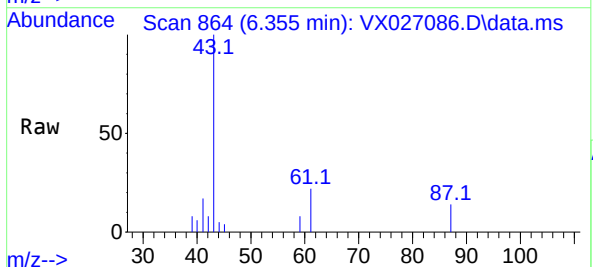
Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.2	121.8
192	19.6	15.0	22.4

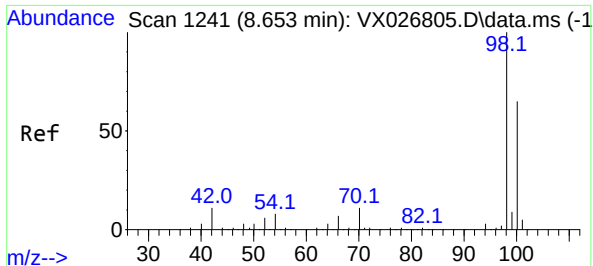


#43
 Isopropyl Acetate
 Concen: 3.456 ug/l
 RT: 6.355 min Scan# 864
 Delta R.T. 0.012 min
 Lab File: VX027086.D
 Acq: 17 Feb 2022 18:29

Tgt Ion: 43 Resp: 9968

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.4	23.0
87	12.1	10.2	15.2





#50

Toluene-d8

Concen: 52.657 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VX027086.D

Acq: 17 Feb 2022 18:29

Instrument :

MSVOA_X

ClientSampleId :

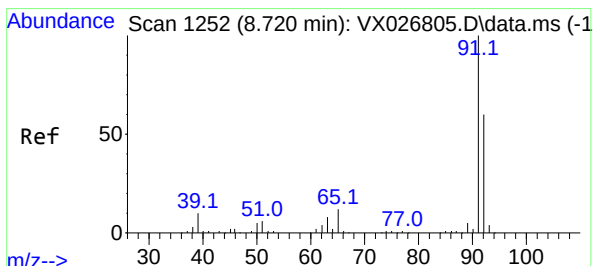
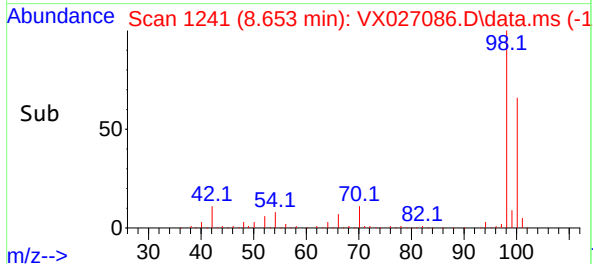
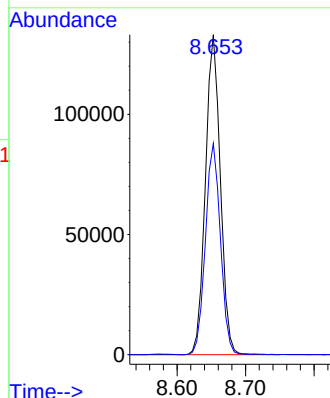
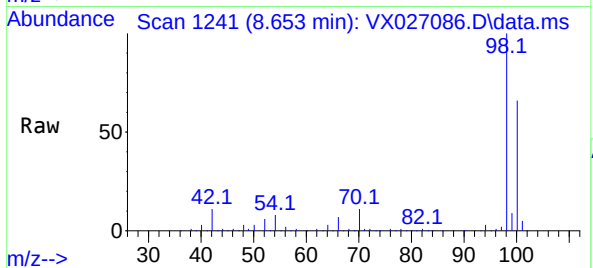
NAPL-SOCK

Tgt Ion: 98 Resp: 202113

Ion Ratio Lower Upper

98 100

100 66.4 53.2 79.8



#52

Toluene

Concen: 3.092 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.000 min

Lab File: VX027086.D

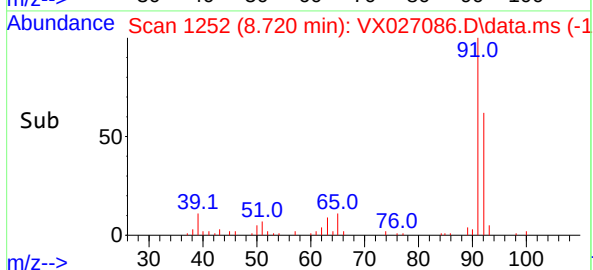
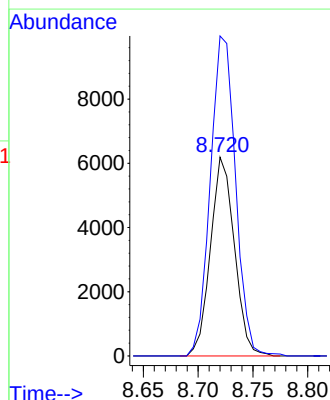
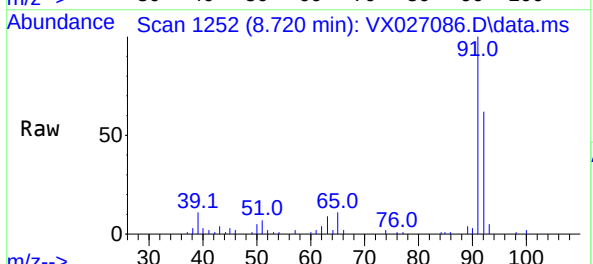
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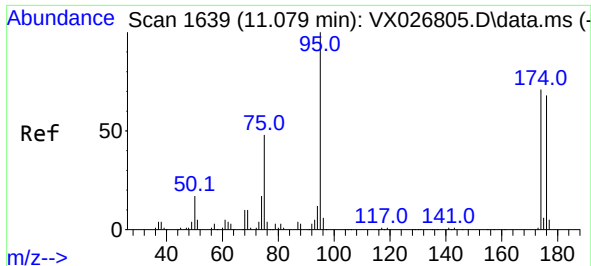
Tgt Ion: 92 Resp: 9413

Ion Ratio Lower Upper

92 100

91 169.4 135.7 203.5

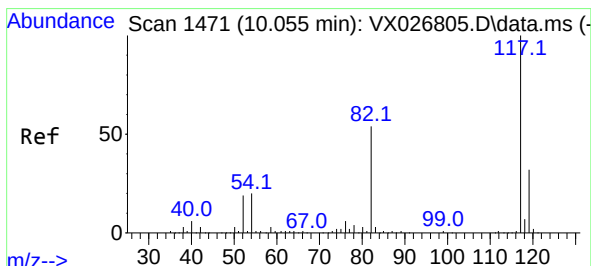
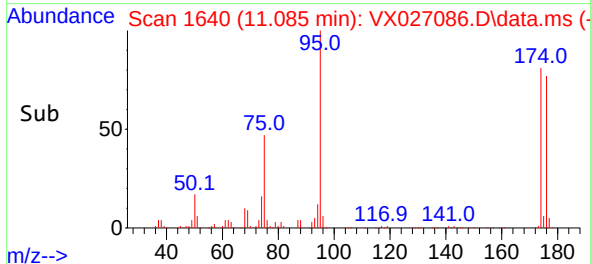
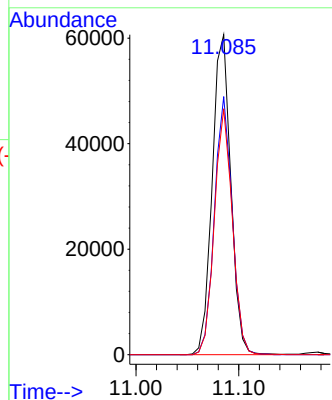
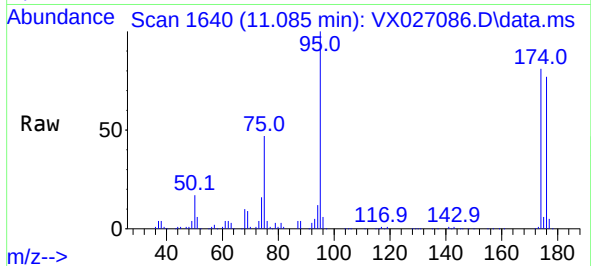




#62
4-Bromofluorobenzene
Concen: 56.144 ug/l
RT: 11.085 min Scan# 1639
Delta R.T. 0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

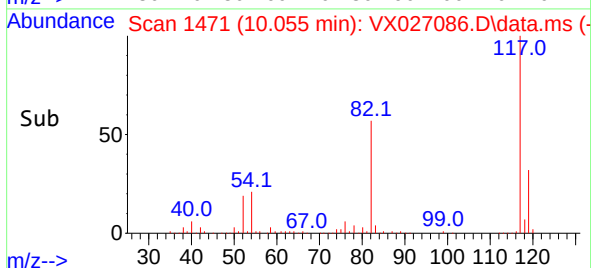
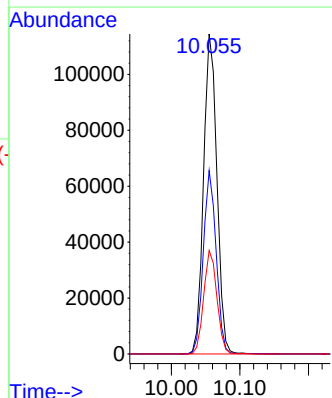
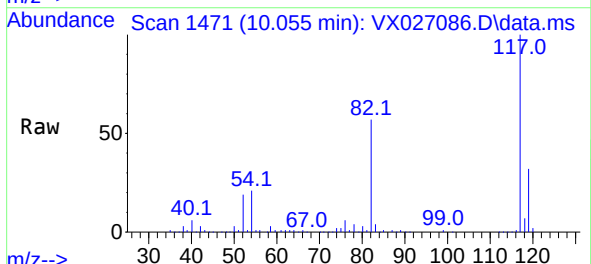
Instrument :
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ClientSampleId :
NAPL-SOCK

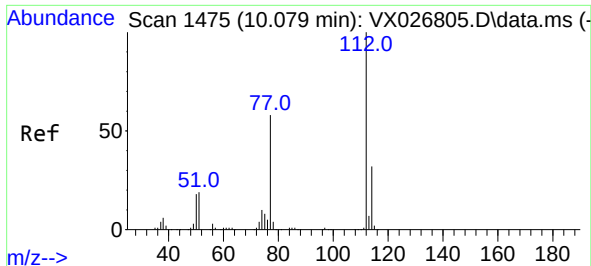
Tgt Ion: 95 Resp: 75870
Ion Ratio Lower Upper
95 100
174 77.0 0.0 148.6
176 74.3 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion: 117 Resp: 155103
Ion Ratio Lower Upper
117 100
82 57.3 45.2 67.8
119 32.3 26.2 39.2

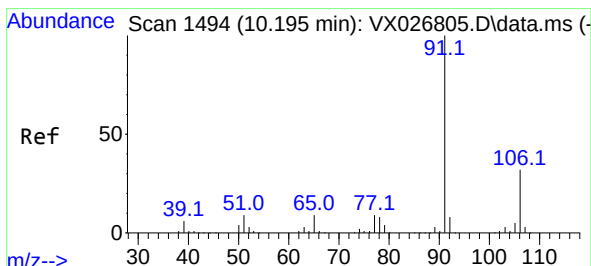
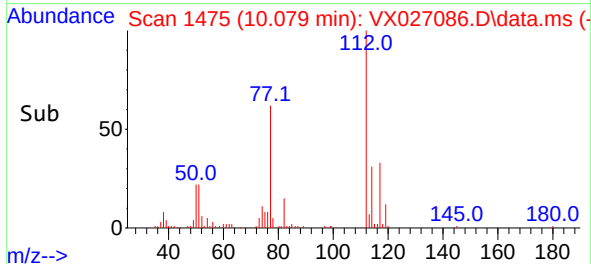
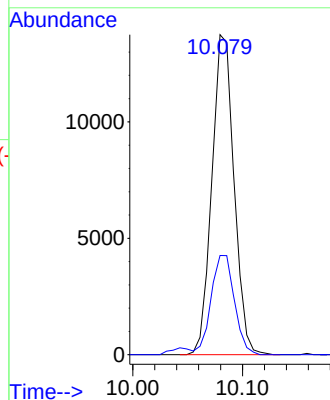
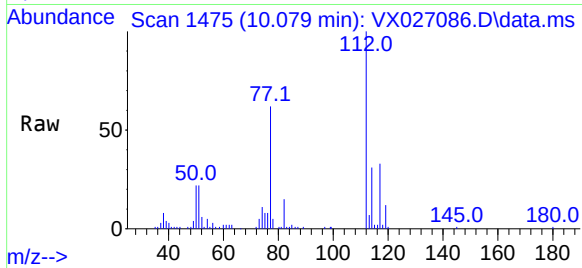




#65
Chlorobenzene
Concen: 6.020 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

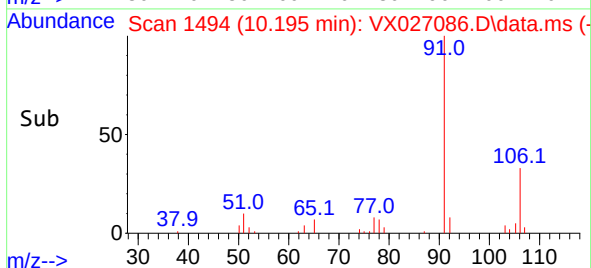
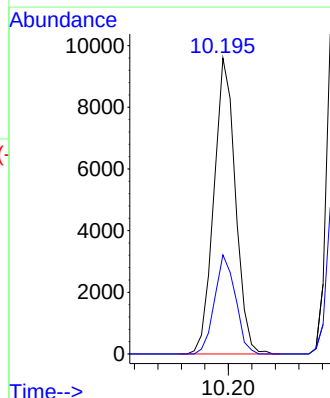
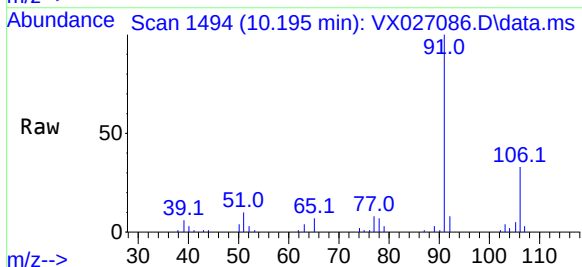
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

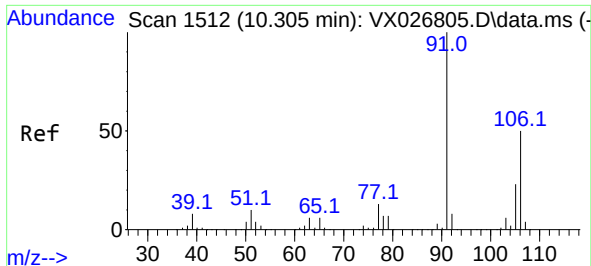
Tgt Ion:112 Resp: 19309
Ion Ratio Lower Upper
112 100
114 31.0 25.3 37.9



#67
Ethyl Benzene
Concen: 2.152 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion: 91 Resp: 12218
Ion Ratio Lower Upper
91 100
106 33.5 24.7 37.1

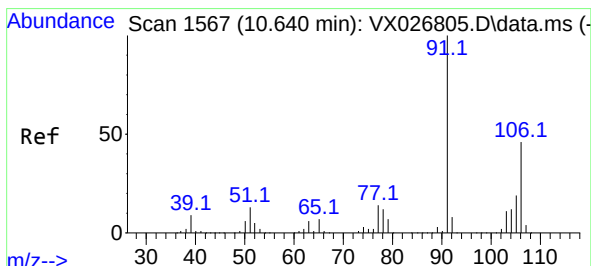
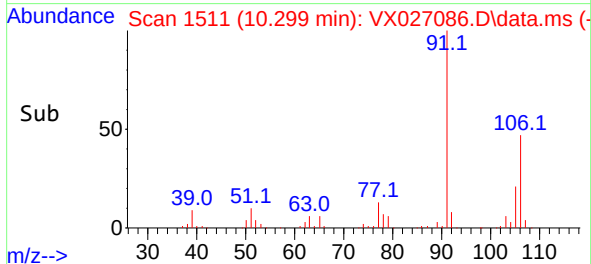
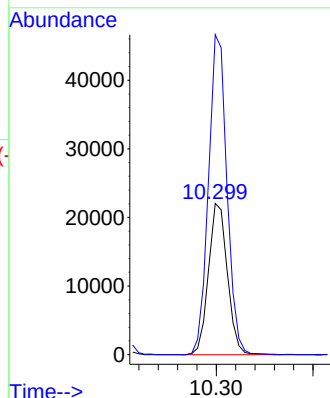
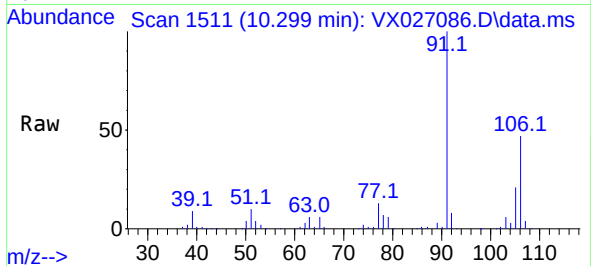




#68
m/p-Xylenes
Concen: 13.701 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

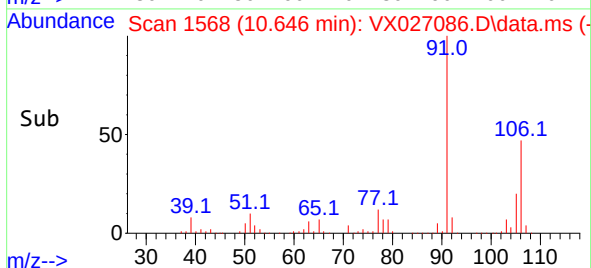
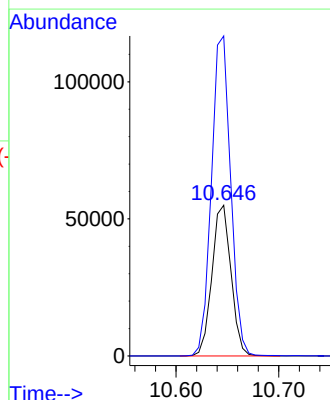
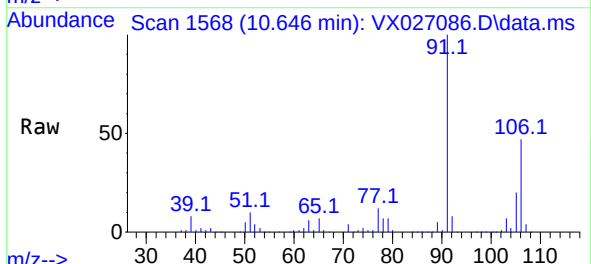
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

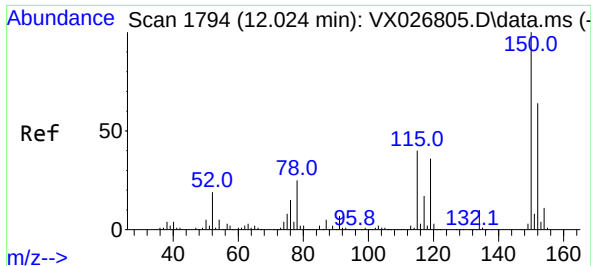
Tgt Ion:106 Resp: 29927
Ion Ratio Lower Upper
106 100
91 207.0 165.3 247.9



#69
o-Xylene
Concen: 33.041 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion:106 Resp: 70719
Ion Ratio Lower Upper
106 100
91 214.6 109.7 329.0

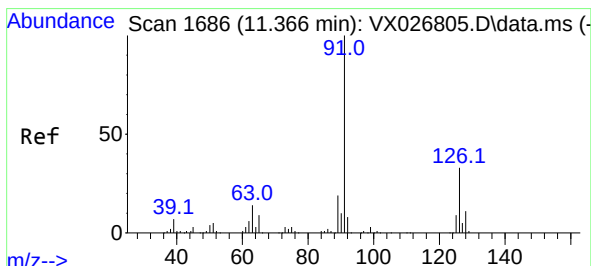
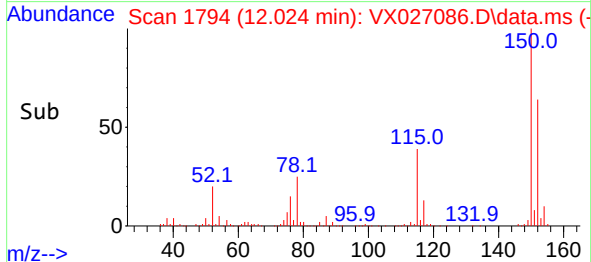
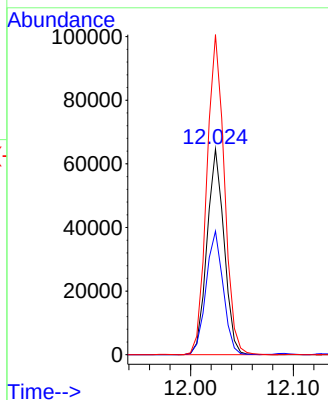
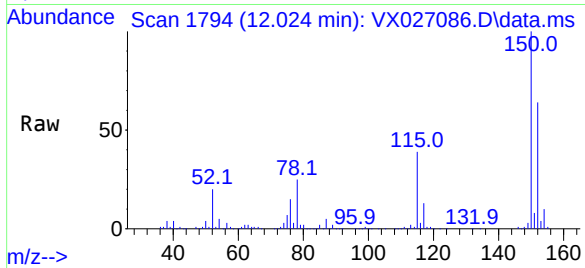




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

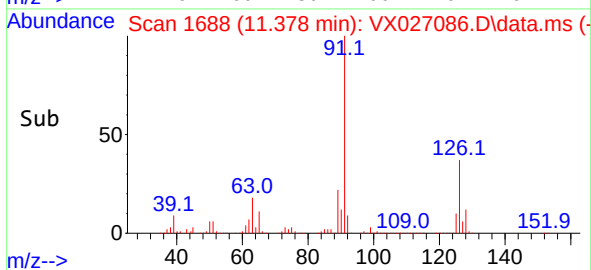
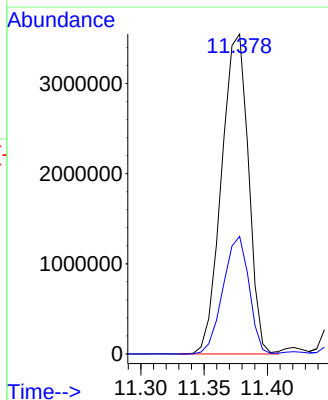
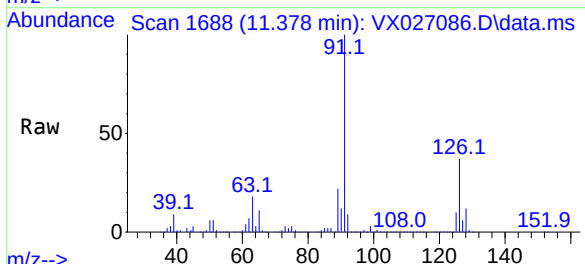
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

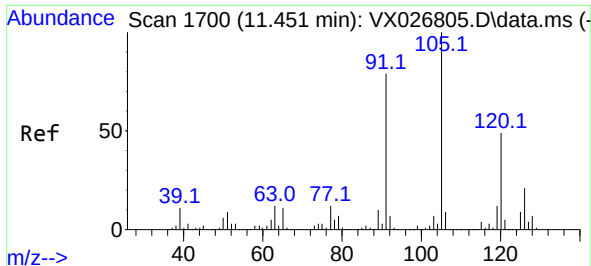
Tgt Ion:152 Resp: 74501
Ion Ratio Lower Upper
152 100
115 60.5 44.2 132.6
150 160.1 0.0 348.2



#79
2-Chlorotoluene
Concen: 1307.523 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.012 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion: 91 Resp: 5255751
Ion Ratio Lower Upper
91 100
126 35.4 16.4 49.2

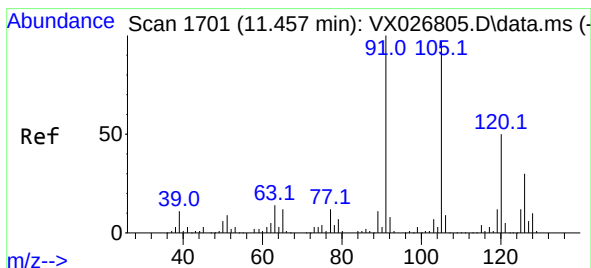
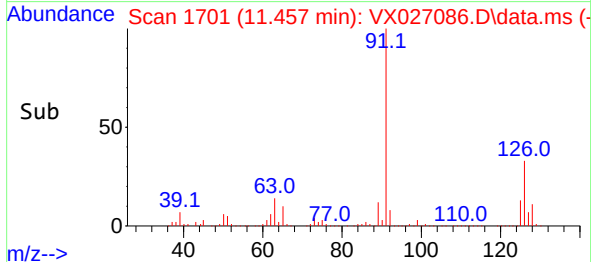
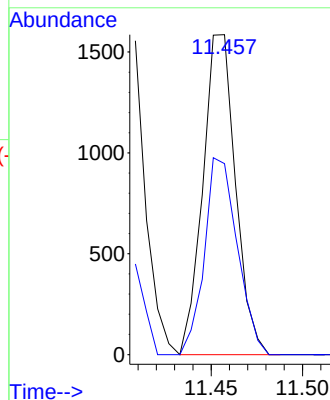
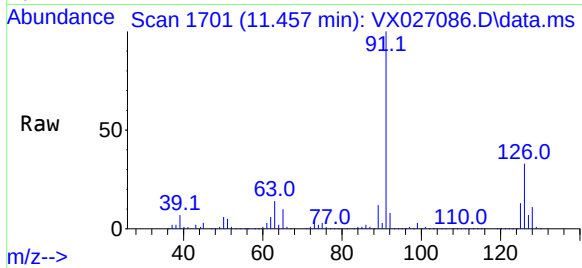




#80
1,3,5-Trimethylbenzene
Concen: 0.409 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

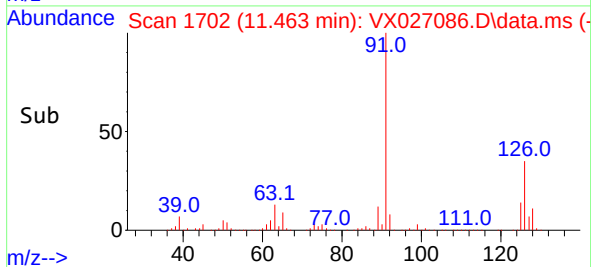
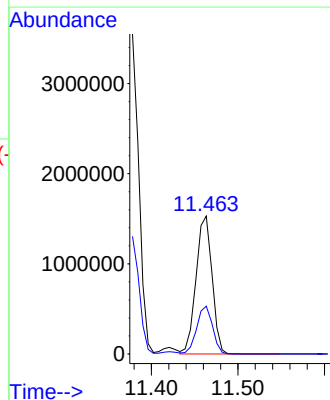
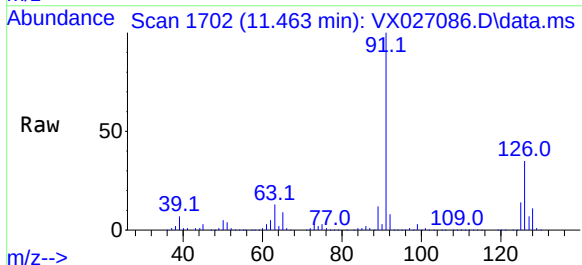
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

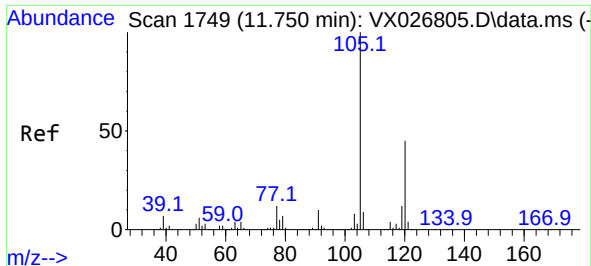
Tgt Ion:105 Resp: 1977
Ion Ratio Lower Upper
105 100
120 62.0 24.0 72.0



#82
4-Chlorotoluene
Concen: 436.506 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion: 91 Resp: 1968362
Ion Ratio Lower Upper
91 100
126 34.2 14.1 42.4

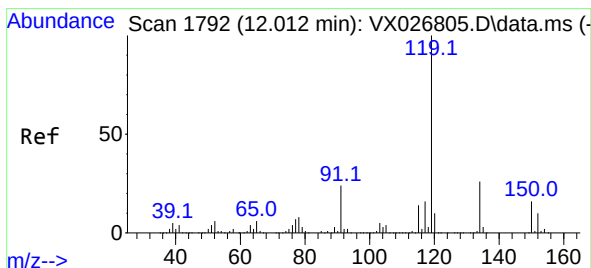
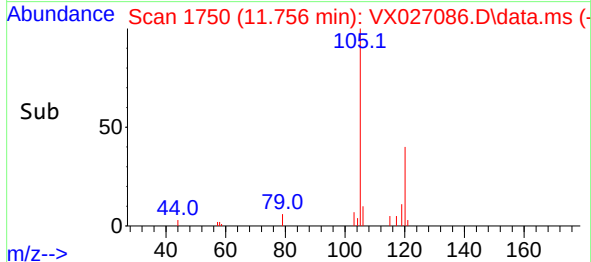
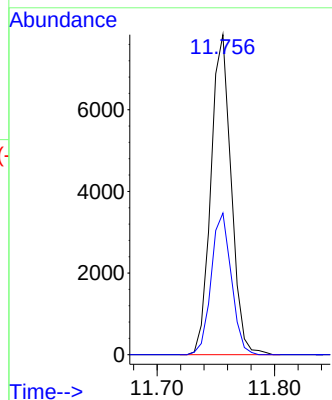
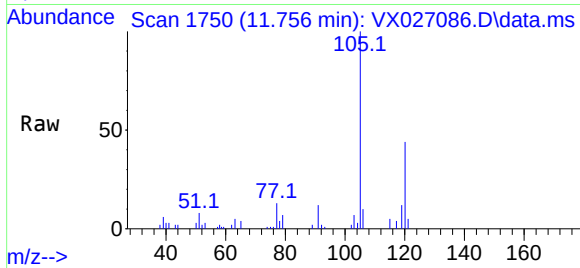




#84
1,2,4-Trimethylbenzene
Concen: 1.931 ug/l
RT: 11.756 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

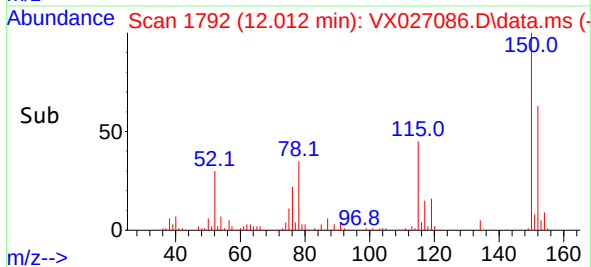
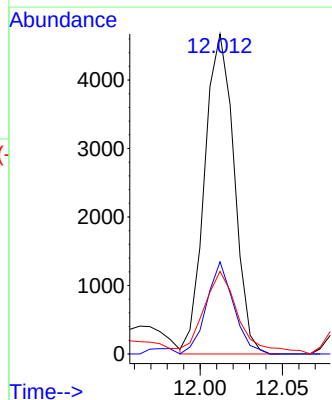
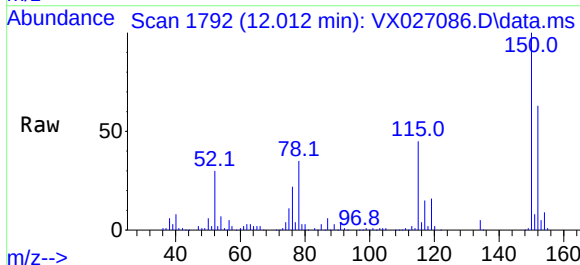
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

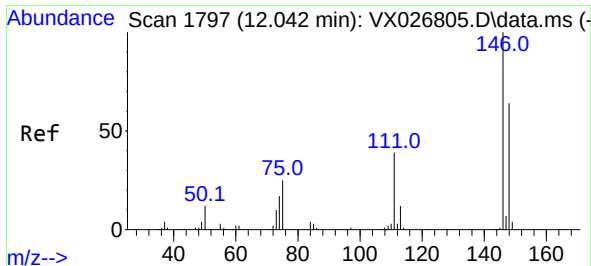
Tgt Ion:105 Resp: 9408
Ion Ratio Lower Upper
105 100
120 43.9 21.9 65.5



#86
p-Isopropyltoluene
Concen: 1.176 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Tgt Ion:119 Resp: 5811
Ion Ratio Lower Upper
119 100
134 26.5 13.0 39.0
91 30.8 12.6 37.6

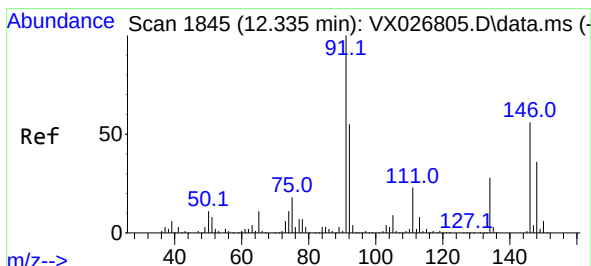
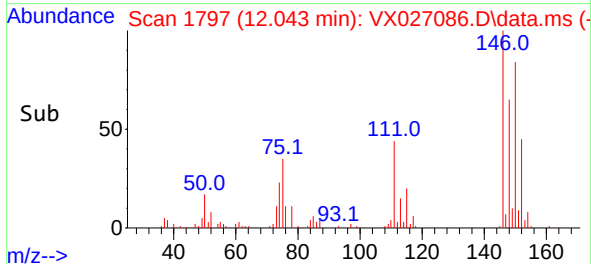
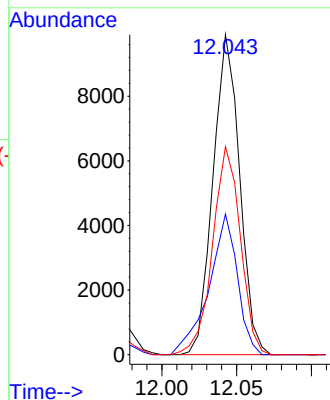
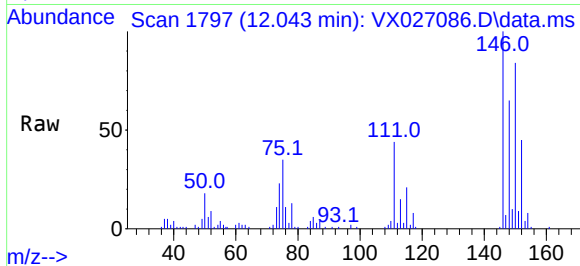




#88
1,4-Dichlorobenzene
Concen: 4.755 ug/l
RT: 12.043 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

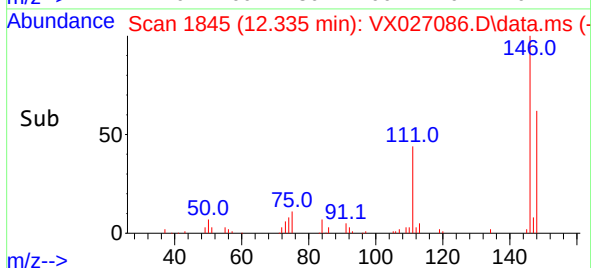
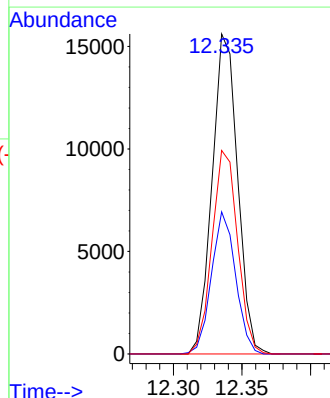
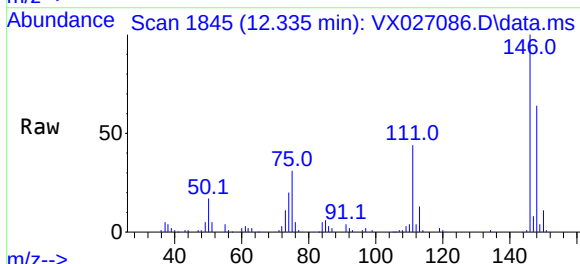
Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK

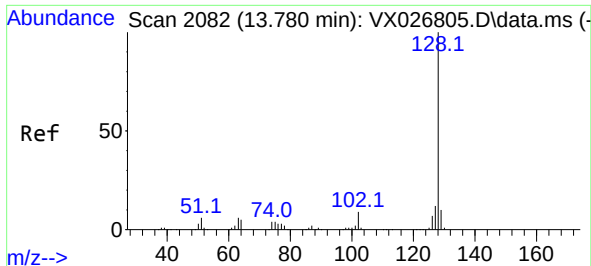
Tgt Ion:146 Resp: 12256
Ion Ratio Lower Upper
146 100
111 47.2 20.2 60.6
148 67.9 31.4 94.0



#91
1,2-Dichlorobenzene
Concen: 8.173 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

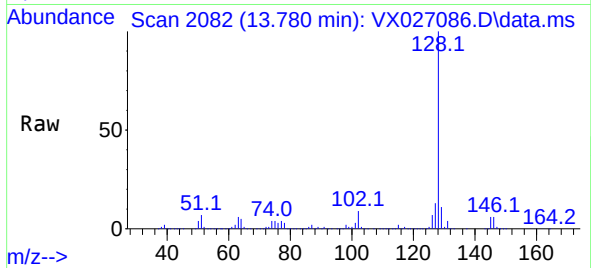
Tgt Ion:146 Resp: 20158
Ion Ratio Lower Upper
146 100
111 42.2 21.8 65.3
148 63.8 32.0 96.2





#95
Naphthalene
Concen: 39.525 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027086.D
Acq: 17 Feb 2022 18:29

Instrument :
MSVOA_X
ClientSampleId :
NAPL-SOCK



Tgt Ion:128 Resp: 215488
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.4 8.7 13.1

