

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092221\
 Data File : VX024444.D
 Acq On : 22 Sep 2021 19:02
 Operator : JC/MD
 Sample : M3750-01MEDL 5X
 Misc : 6.97g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

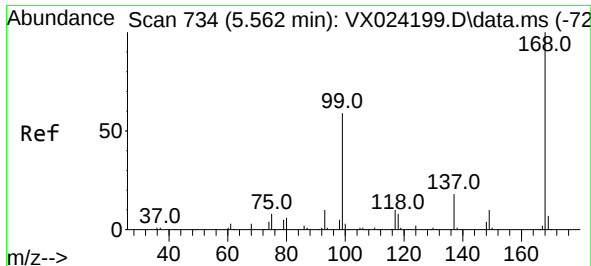
Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-AREA-03-(8-10)MEDL

Quant Time: Sep 23 06:41:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 21 10:52:48 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	150183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	255570	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79690	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	103758	48.450	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.900%		
35) Dibromofluoromethane	5.391	113	83370	48.642	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.280%		
50) Toluene-d8	8.653	98	303402	48.592	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.180%		
62) 4-Bromofluorobenzene	11.085	95	94503	38.892	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	77.780%#		
Target Compounds						Qvalue
3) Chloromethane	1.301	50	345	0.229	ug/l #	86
4) Vinyl Chloride	1.374	62	3180	2.119	ug/l #	85
5) Bromomethane	1.599	94	575	0.644	ug/l	82
10) Methyl Iodide	2.453	142	1495	0.731	ug/l #	98
11) Tert butyl alcohol	2.947	59	293	Below Cal	#	73
13) Acrolein	2.245	56	48	0.340	ug/l #	75
16) Acetone	2.398	43	693	0.759	ug/l	94
17) Carbon Disulfide	2.502	76	769	0.222	ug/l #	75
20) Methylene Chloride	2.788	84	1117	0.637	ug/l	85
21) trans-1,2-Dichloroethene	3.093	96	635	0.419	ug/l #	81
25) 2-Butanone	4.605	43	734	0.546	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	102097	58.315	ug/l	93
31) Cyclohexane	5.556	56	3134	1.251	ug/l #	2
36) 1,1-Dichloropropene	5.562	75	11467	4.880	ug/l #	50
37) Ethyl Acetate	4.605	43	734	0.268	ug/l #	64
38) Carbon Tetrachloride	5.562	117	15344	5.802	ug/l #	16
44) Trichloroethene	7.129	130	28302	14.947	ug/l	100
60) Dibromochloromethane	9.275	129	24027	12.600	ug/l #	11
64) Tetrachloroethene	9.275	164	23900	14.704	ug/l	93
76) 1,2,3-Trichloropropane	11.085	75	51386	28.043	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	51386	82.475	ug/l #	12
87) 1,3-Dichlorobenzene	11.975	146	568	0.213	ug/l	81
88) 1,4-Dichlorobenzene	11.975	146	568	0.208	ug/l	82
93) 1,2,4-Trichlorobenzene	13.597	180	443	0.287	ug/l #	72
94) Hexachlorobutadiene	13.719	225	211	0.274	ug/l #	40
95) Naphthalene	13.780	128	642	1.397	ug/l #	75

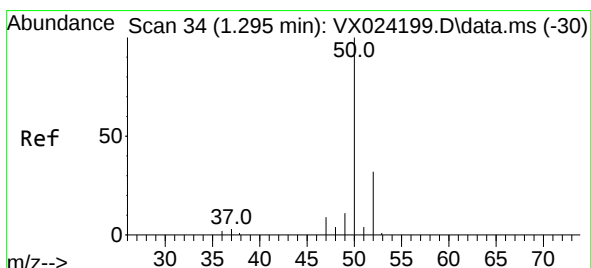
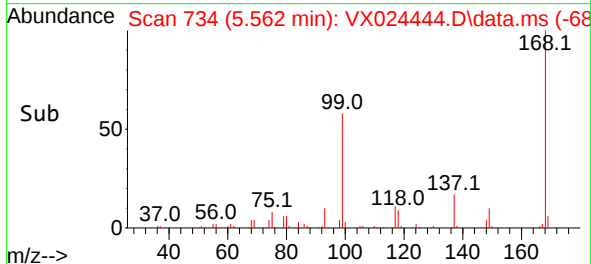
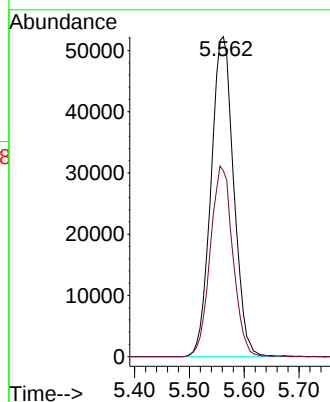
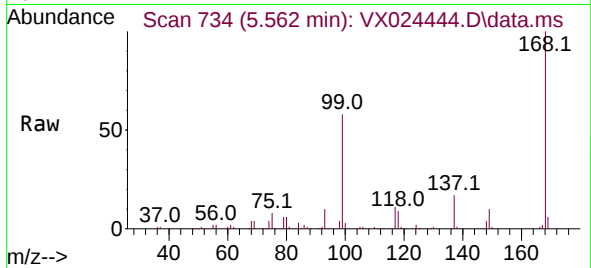
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

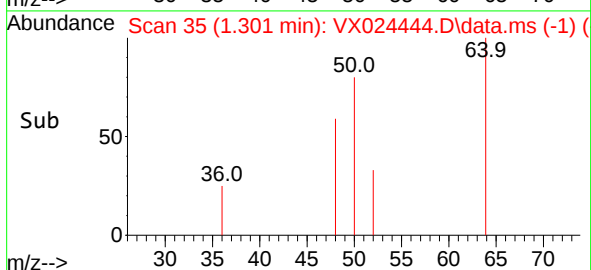
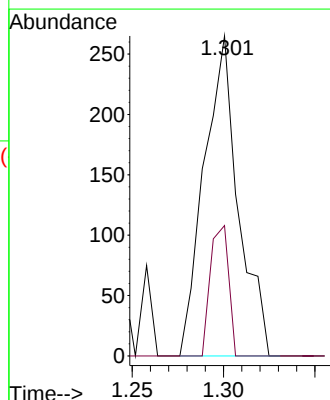
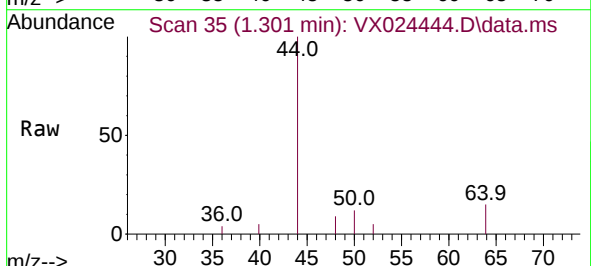
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NAPL-AREA-03-(8-10)MEDL

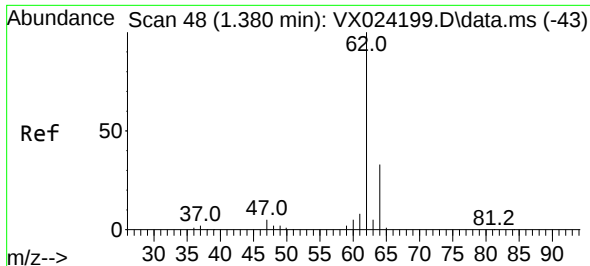
Tgt Ion:168 Resp: 150183
Ion Ratio Lower Upper
168 100
99 58.1 45.8 68.6



#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion: 50 Resp: 345
Ion Ratio Lower Upper
50 100
52 40.8 26.4 39.6#

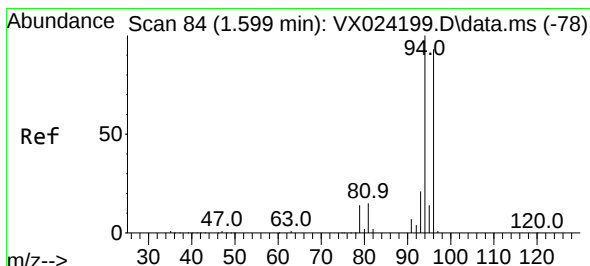
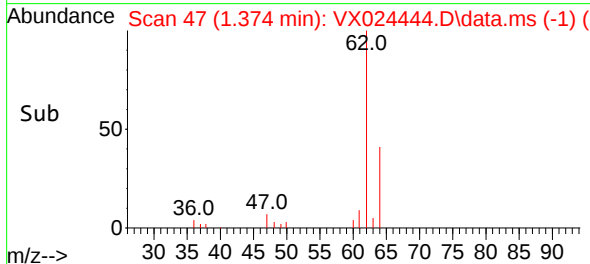
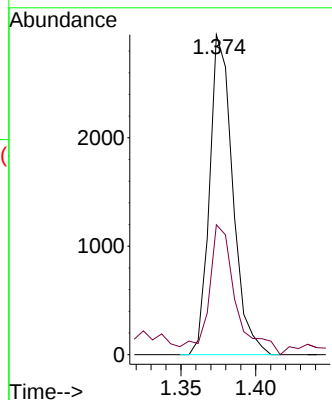
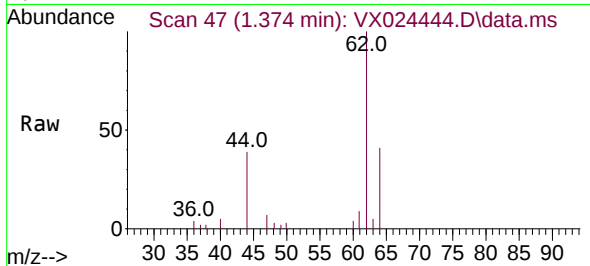




#4
 Vinyl Chloride
 Concen: 2.119 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.006 min
 Lab File: VX024444.D
 Acq: 22 Sep 2021 19:02

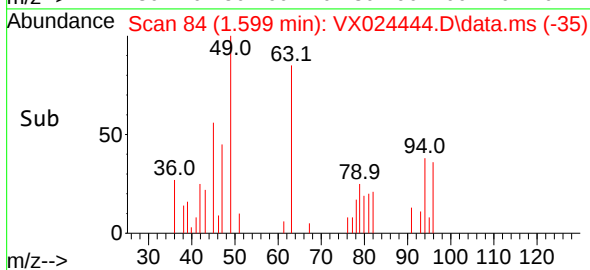
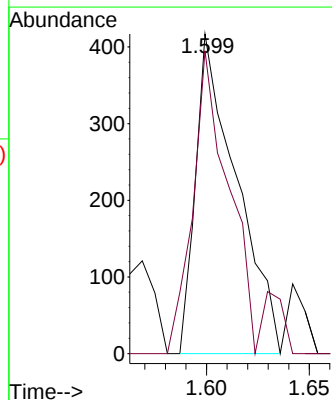
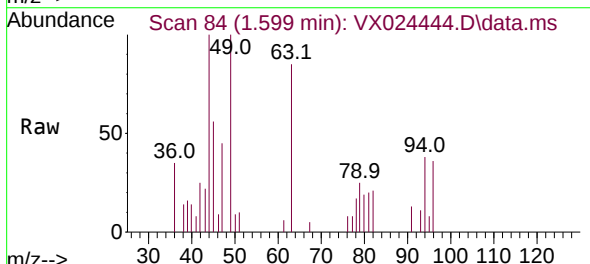
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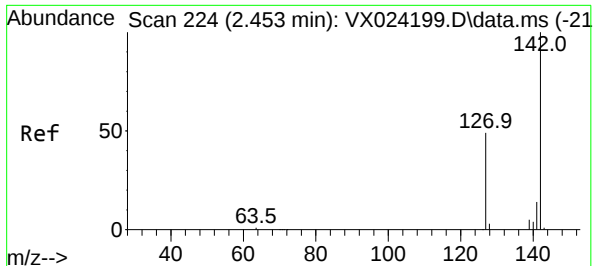
Tgt Ion: 62 Resp: 3180
 Ion Ratio Lower Upper
 62 100
 64 40.6 25.7 38.5#



#5
 Bromomethane
 Concen: 0.644 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VX024444.D
 Acq: 22 Sep 2021 19:02

Tgt Ion: 94 Resp: 575
 Ion Ratio Lower Upper
 94 100
 96 77.7 76.4 114.6

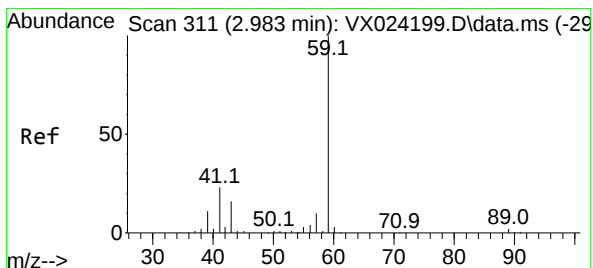
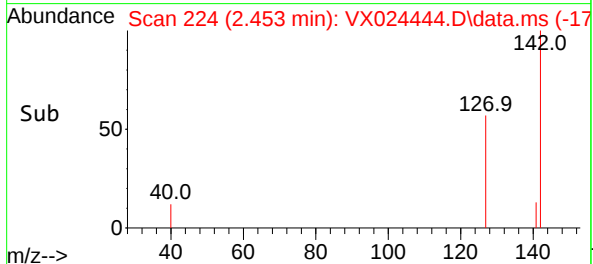
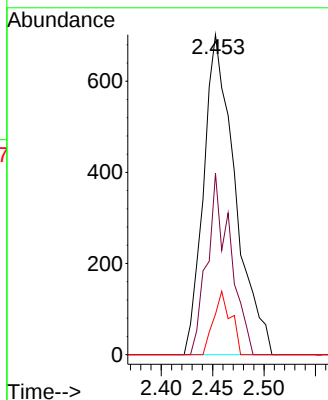
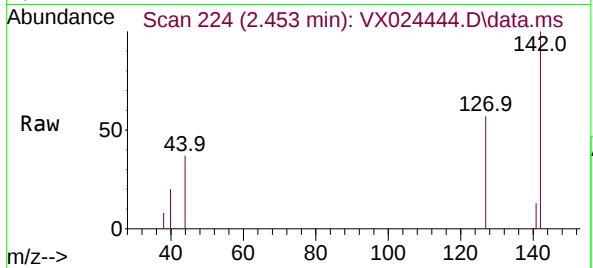




#10
Methyl Iodide
Concen: 0.731 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

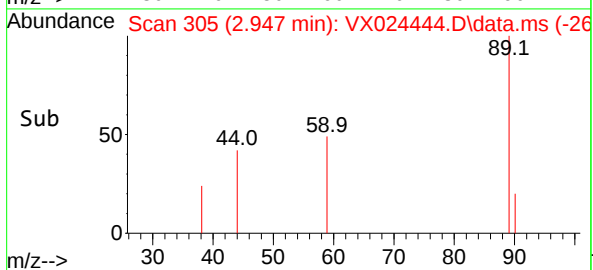
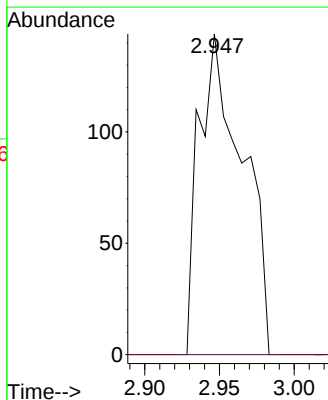
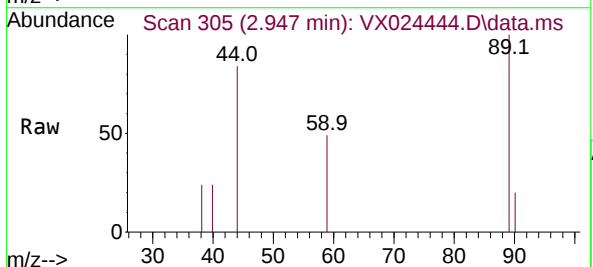
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NAPL-AREA-03-(8-10)MEDL

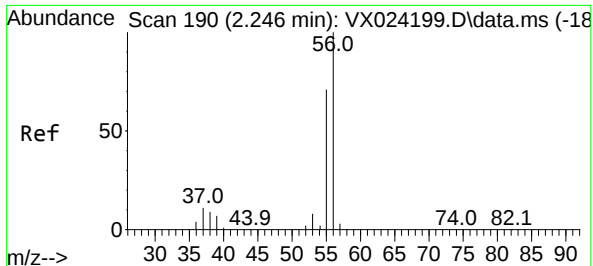
Tgt Ion:	142	Resp:	1495
Ion	Ratio	Lower	Upper
142	100		
127	41.8	33.3	49.9
141	10.8	11.4	17.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion:	59	Resp:	293
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.8	11.8#

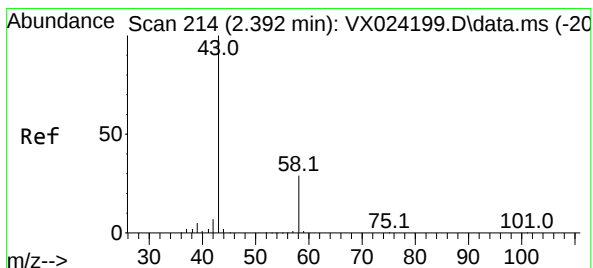
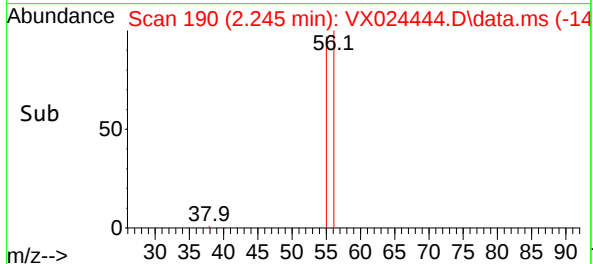
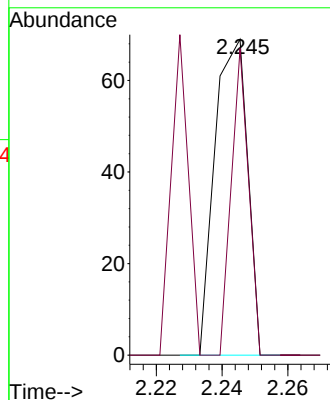
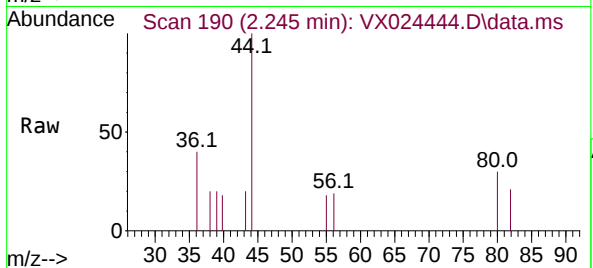




#13
Acrolein
Concen: 0.340 ug/l
RT: 2.245 min Scan# 190
Delta R.T. -0.001 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

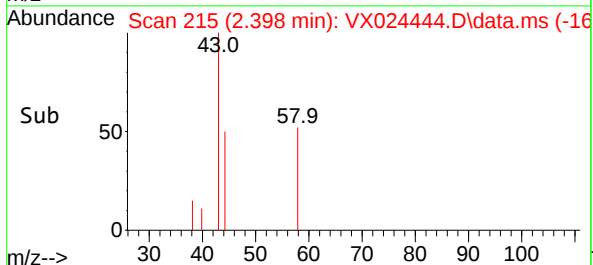
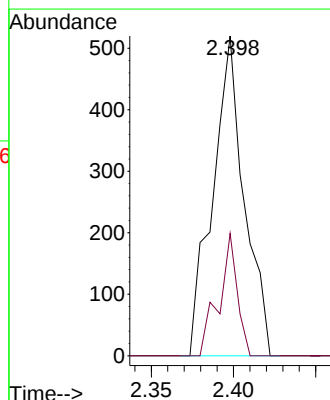
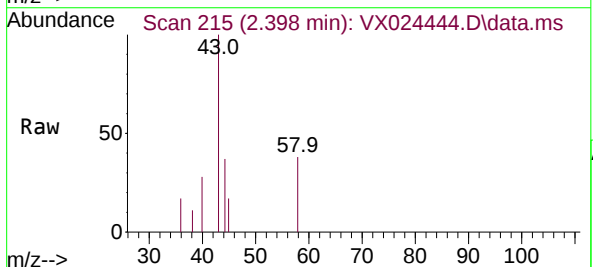
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ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

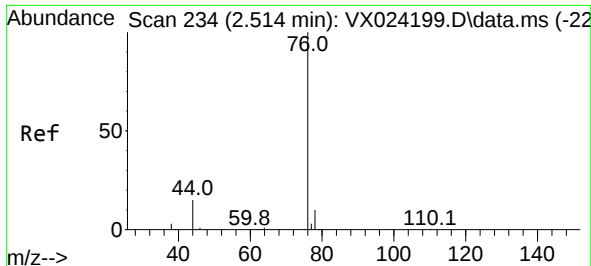
Tgt Ion: 56 Resp: 48
Ion Ratio Lower Upper
56 100
55 50.0 56.4 84.6#



#16
Acetone
Concen: 0.759 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
58 38.3 27.8 41.8

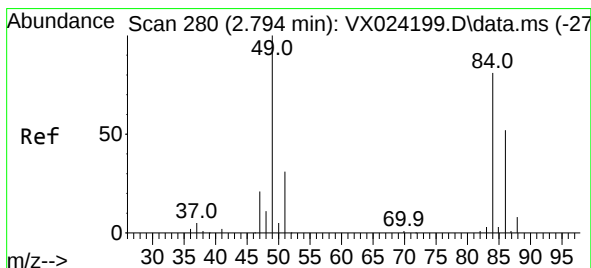
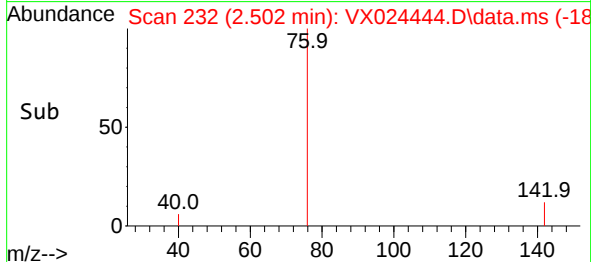
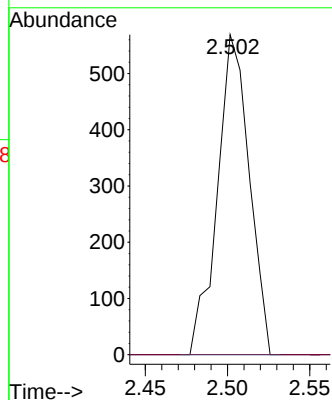
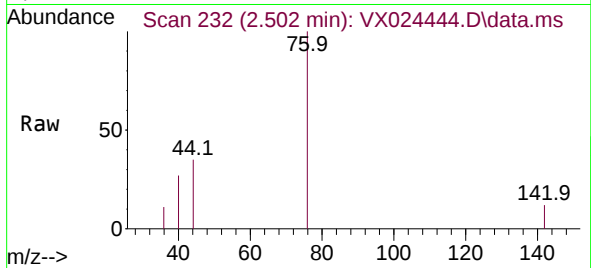




#17
Carbon Disulfide
Concen: 0.222 ug/l
RT: 2.502 min Scan# 232
Delta R.T. -0.012 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

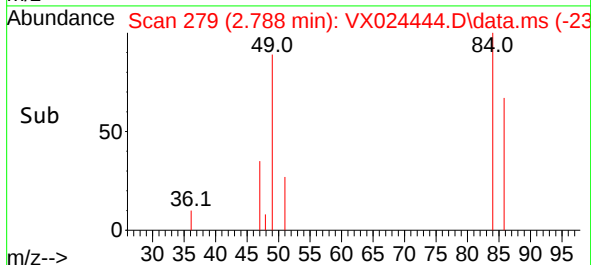
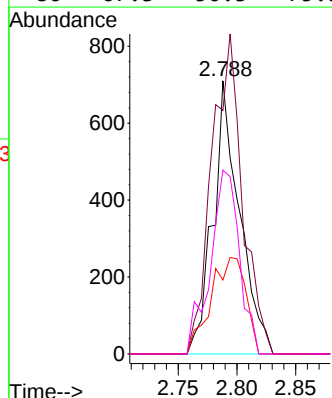
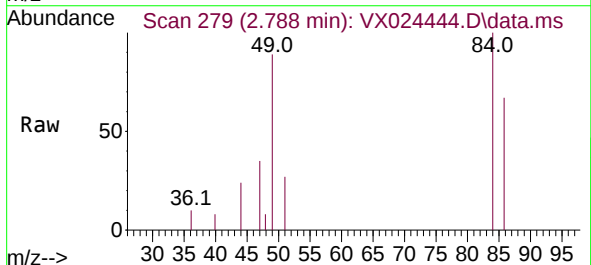
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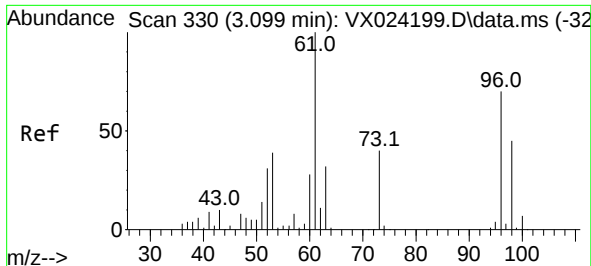
Tgt Ion: 76 Resp: 769
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.637 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion: 84 Resp: 1117
Ion Ratio Lower Upper
84 100
49 89.2 88.6 132.8
51 27.0 27.0 40.6
86 67.3 50.3 75.5

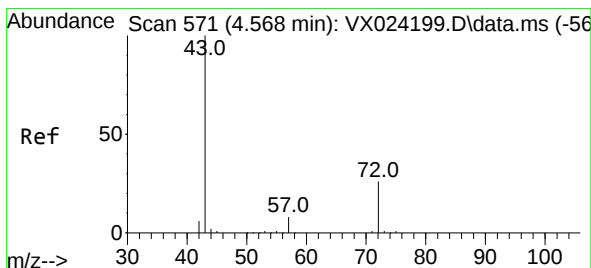
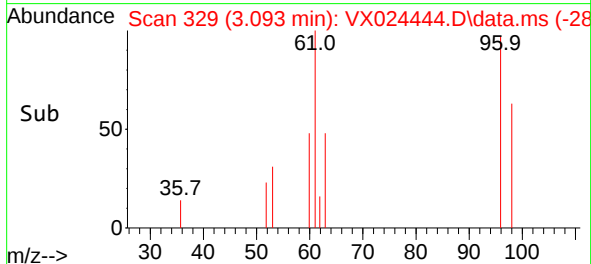
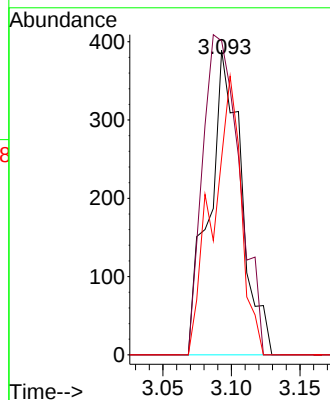
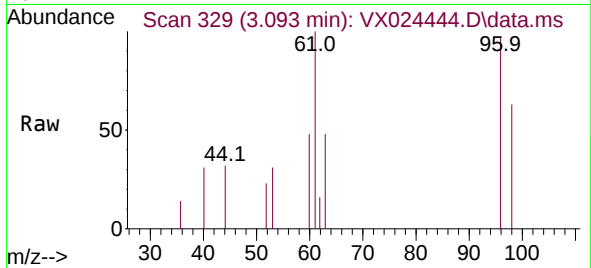




#21
 trans-1,2-Dichloroethene
 Concen: 0.419 ug/l
 RT: 3.093 min Scan# 329
 Delta R.T. -0.006 min
 Lab File: VX024444.D
 Acq: 22 Sep 2021 19:02

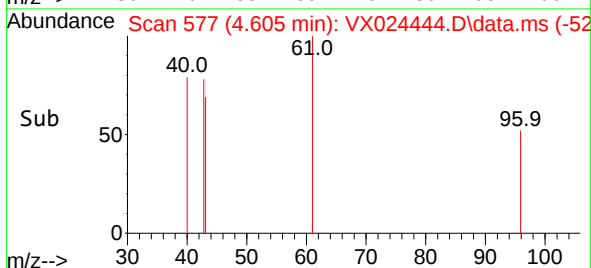
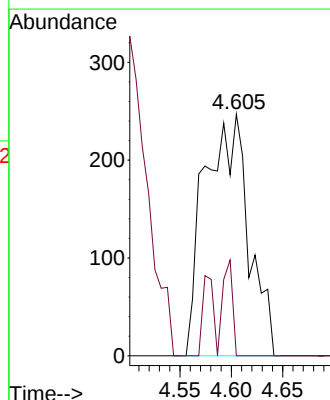
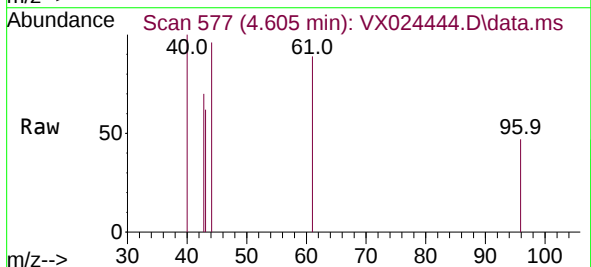
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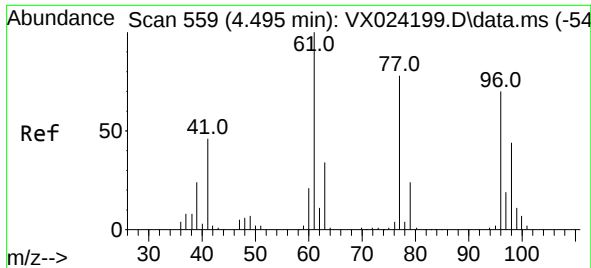
Tgt Ion: 96 Resp: 635
 Ion Ratio Lower Upper
 96 100
 61 103.1 107.7 161.5#
 98 64.8 50.4 75.6



#25
 2-Butanone
 Concen: 0.546 ug/l
 RT: 4.605 min Scan# 577
 Delta R.T. 0.037 min
 Lab File: VX024444.D
 Acq: 22 Sep 2021 19:02

Tgt Ion: 43 Resp: 734
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 58.315 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.000 min

Lab File: VX024444.D

Acq: 22 Sep 2021 19:02

Tgt Ion: 96 Resp: 102097

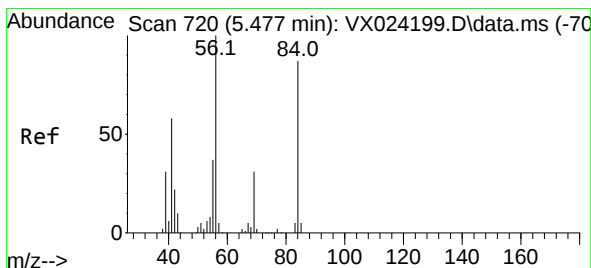
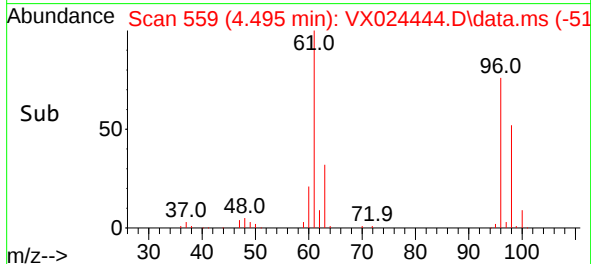
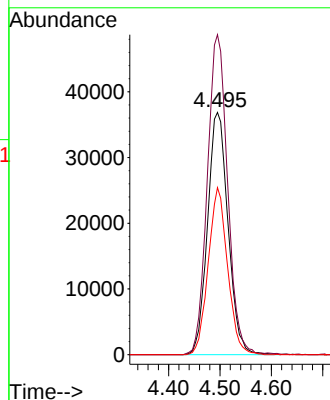
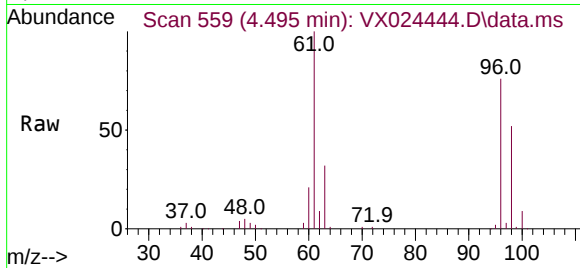
Ion	Ratio	Lower	Upper
96	100		
61	130.9	0.0	285.6
98	65.0	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

NAPL-AREA-03-(8-10)MEDL



#31

Cyclohexane

Concen: 1.251 ug/l

RT: 5.556 min Scan# 733

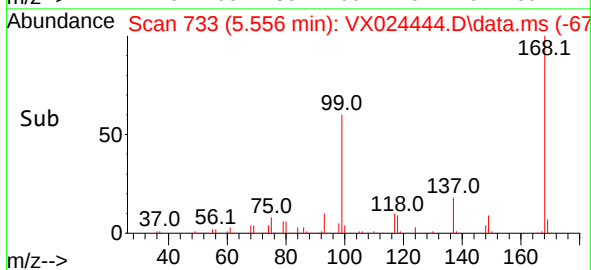
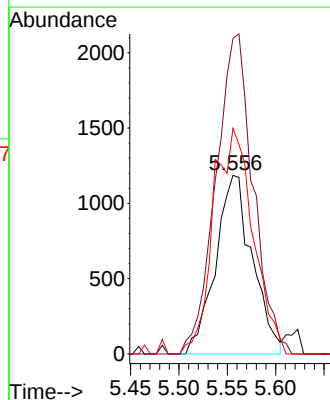
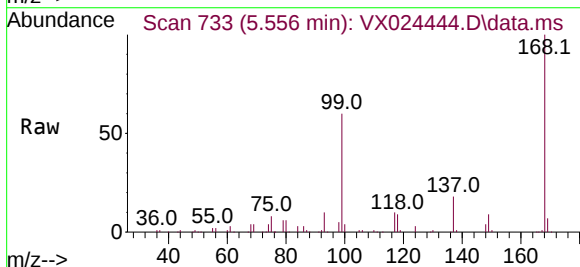
Delta R.T. 0.079 min

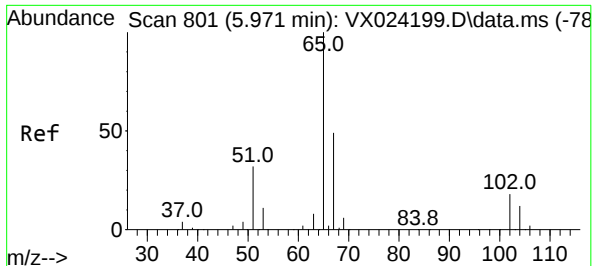
Lab File: VX024444.D

Acq: 22 Sep 2021 19:02

Tgt Ion: 56 Resp: 3134

Ion	Ratio	Lower	Upper
56	100		
69	176.7	25.3	37.9#
84	126.3	71.4	107.0#



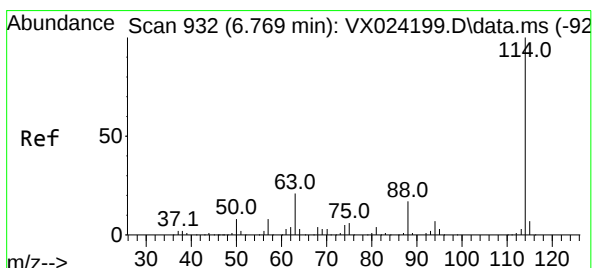
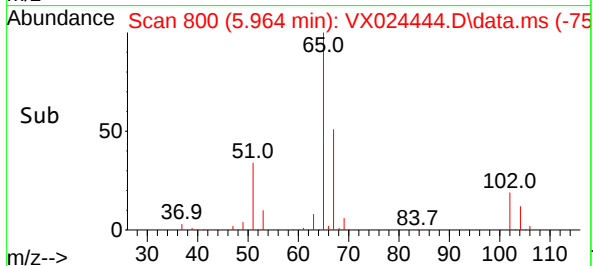
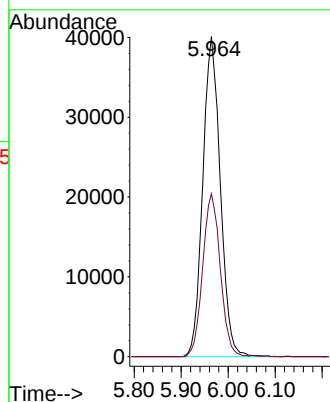
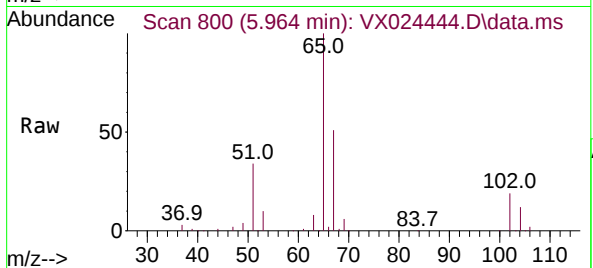


#33

1,2-Dichloroethane-d4
Concen: 48.450 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

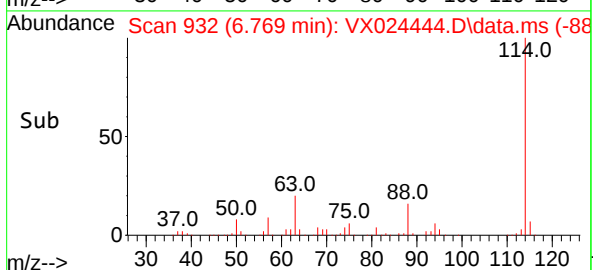
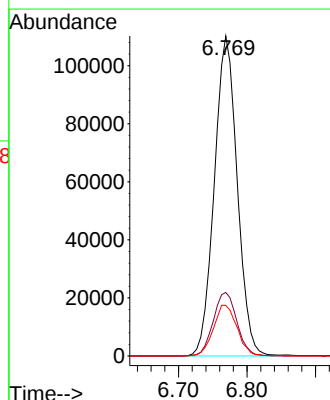
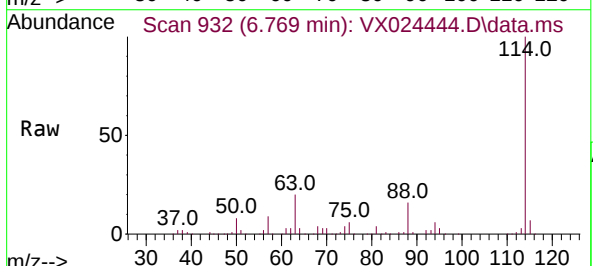
Tgt Ion: 65 Resp: 103758
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

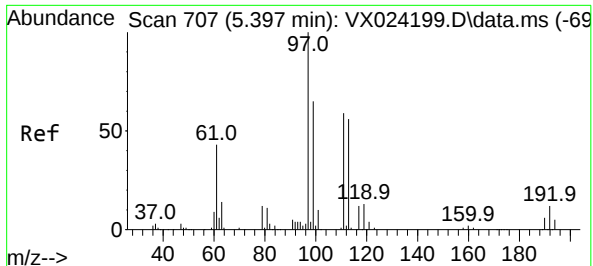


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion: 114 Resp: 255570
Ion Ratio Lower Upper
114 100
63 19.9 0.0 40.8
88 15.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.642 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX024444.D

Acq: 22 Sep 2021 19:02

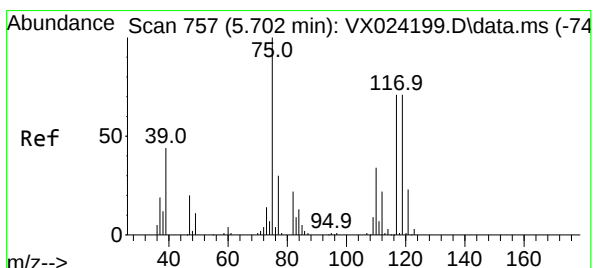
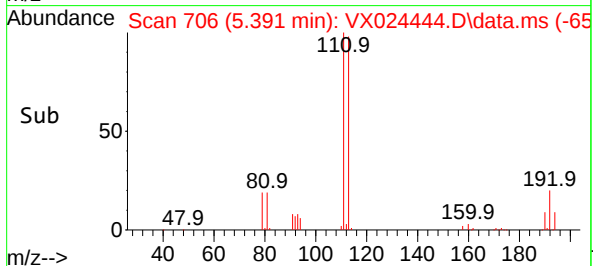
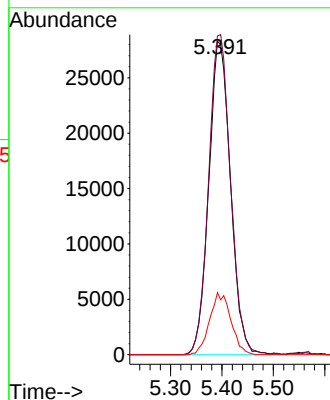
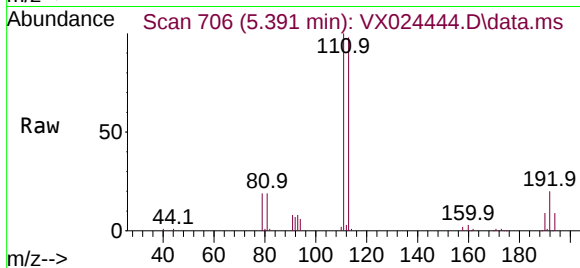
Tgt Ion:113 Resp: 83370

Ion Ratio Lower Upper

113 100

111 102.7 81.9 122.9

192 19.3 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX024444.D

Acq: 22 Sep 2021 19:02

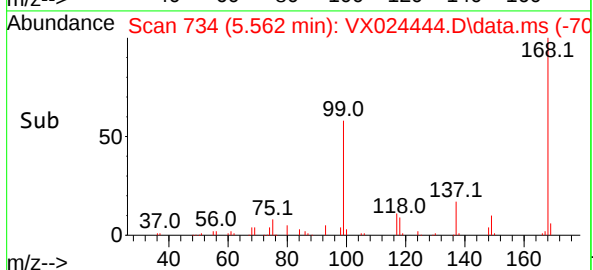
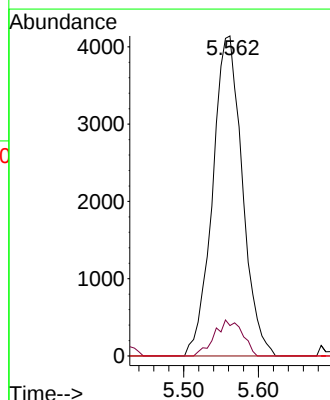
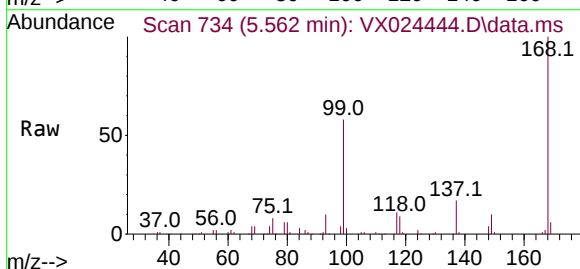
Tgt Ion: 75 Resp: 11467

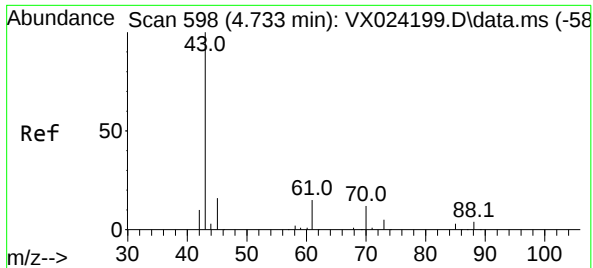
Ion Ratio Lower Upper

75 100

110 10.5 18.1 54.4#

77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.268 ug/l

RT: 4.605 min Scan# 577

Delta R.T. -0.128 min

Lab File: VX024444.D

Acq: 22 Sep 2021 19:02

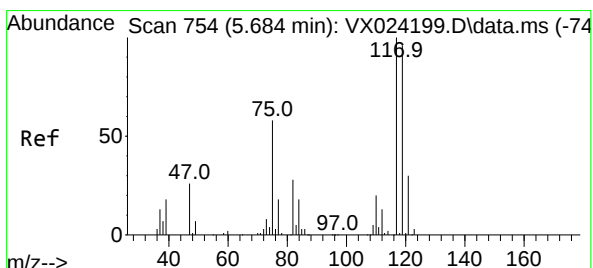
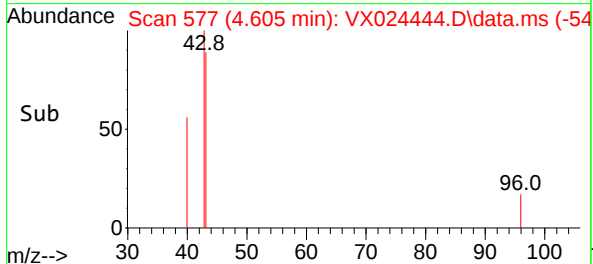
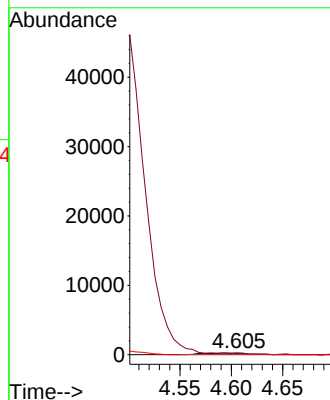
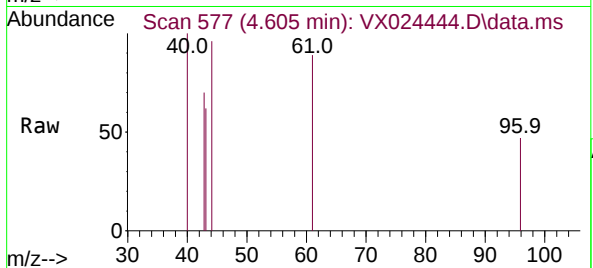
Tgt Ion:	43	Resp:	734
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#

Instrument :

MSVOA_X

ClientSampleId :

NAPL-AREA-03-(8-10)MEDL



#38

Carbon Tetrachloride

Concen: 5.802 ug/l

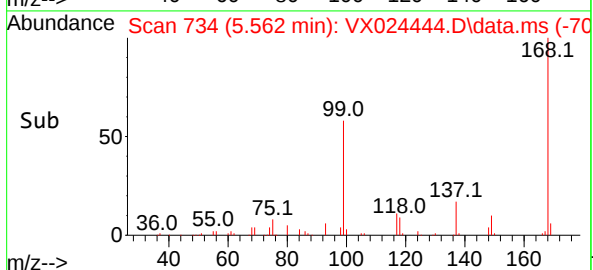
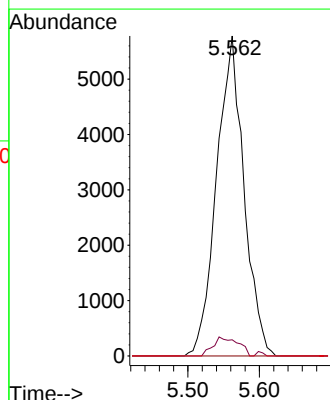
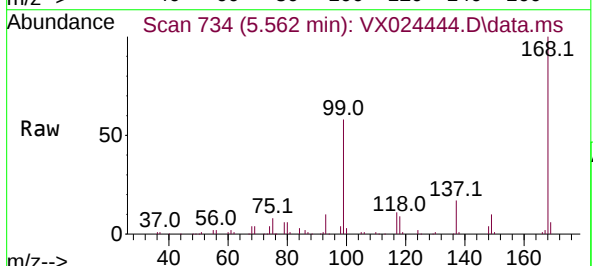
RT: 5.562 min Scan# 734

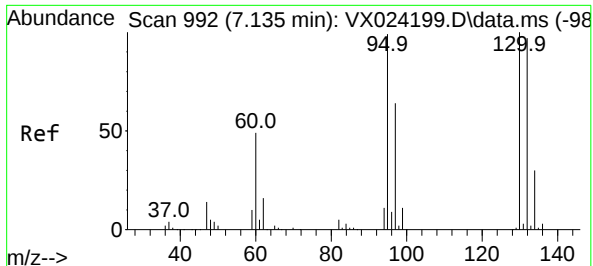
Delta R.T. -0.122 min

Lab File: VX024444.D

Acq: 22 Sep 2021 19:02

Tgt Ion:	117	Resp:	15344
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	24.8	37.2#

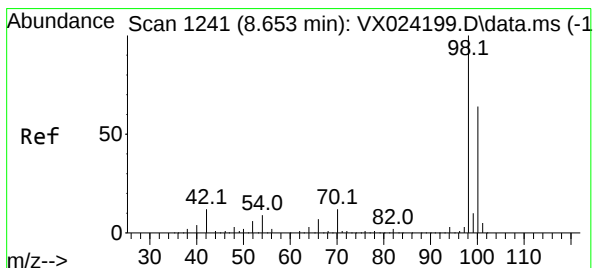
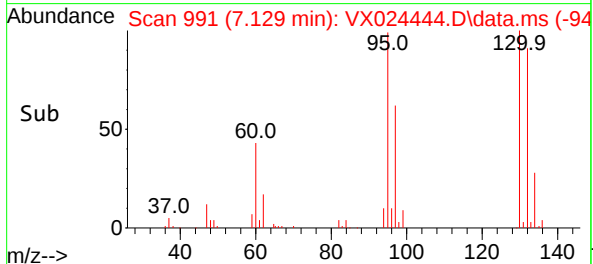
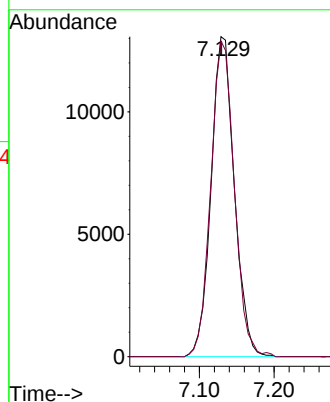
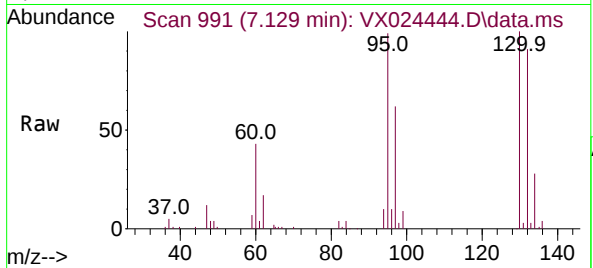




#44
Trichloroethene
Concen: 14.947 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

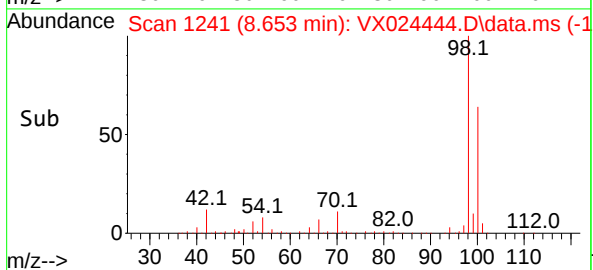
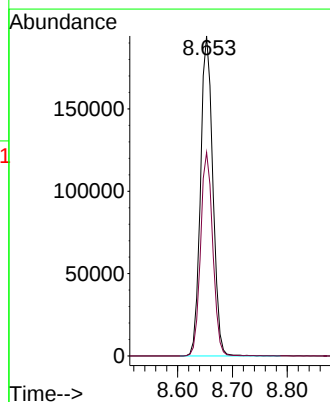
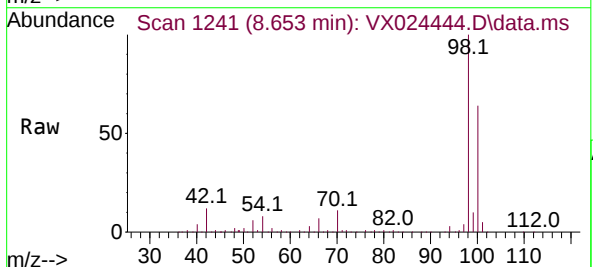
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

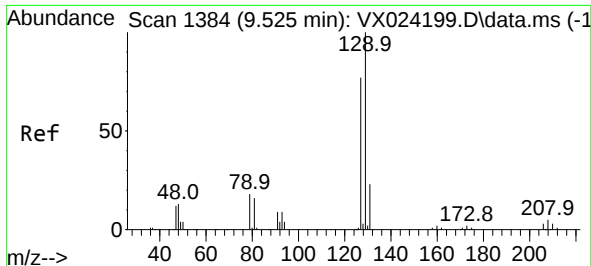
Tgt Ion:130 Resp: 28302
Ion Ratio Lower Upper
130 100
95 98.7 0.0 198.0



#50
Toluene-d8
Concen: 48.592 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion: 98 Resp: 303402
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

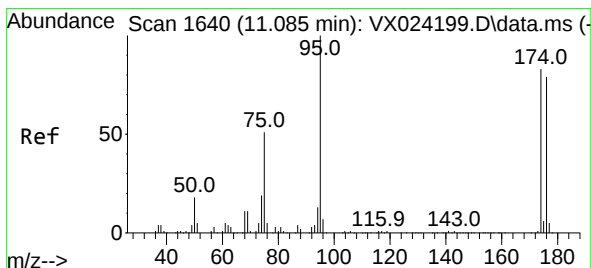
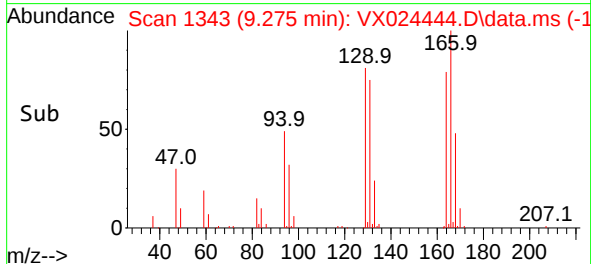
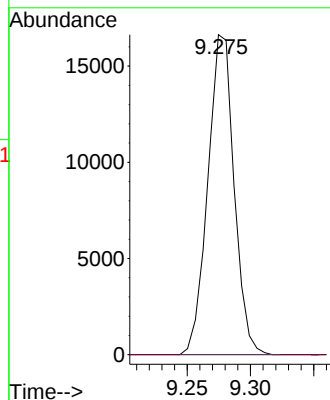
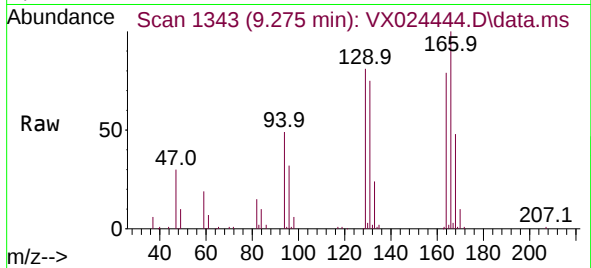




#60
Dibromochloromethane
Concen: 12.600 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.250 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

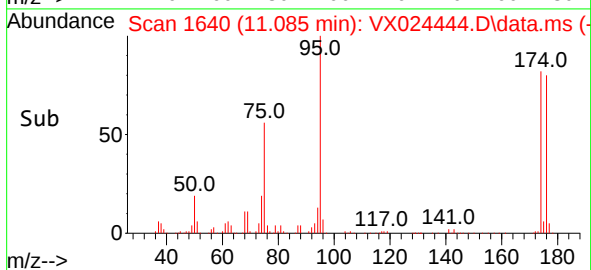
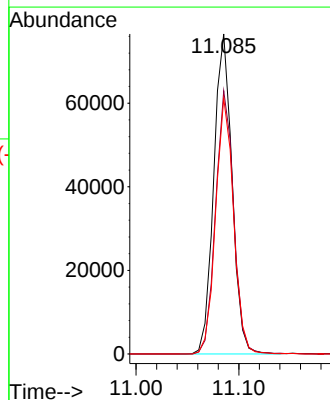
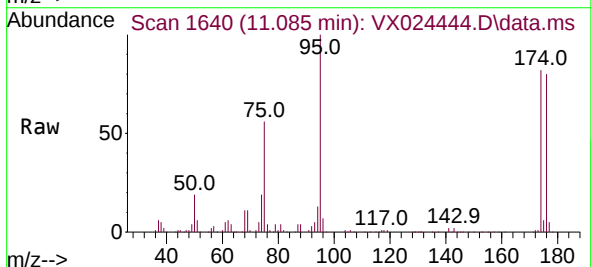
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

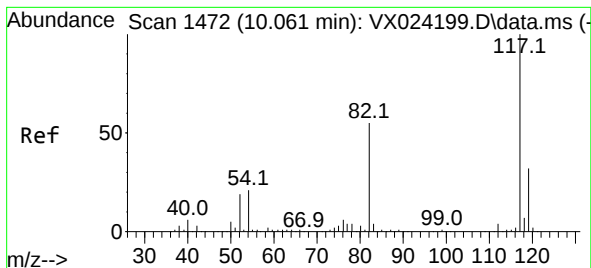
Tgt Ion:129 Resp: 24027
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 38.892 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion: 95 Resp: 94503
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.6
176 78.3 0.0 155.8

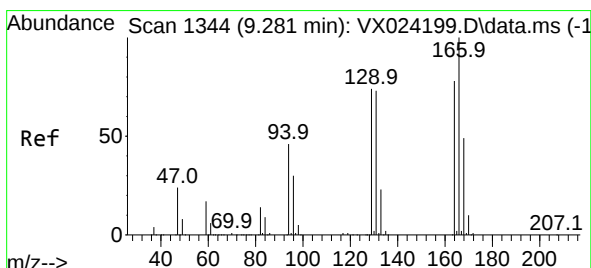
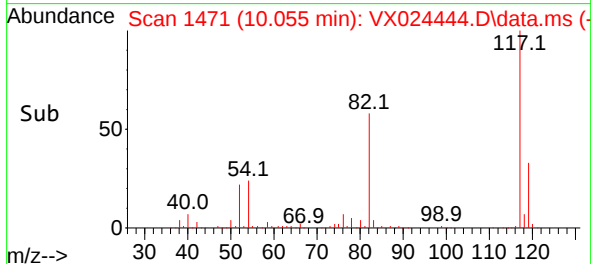
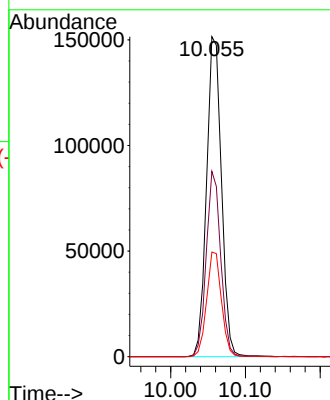
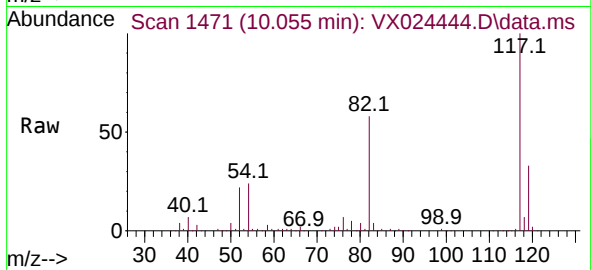




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

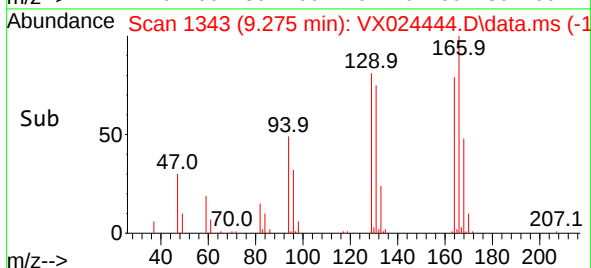
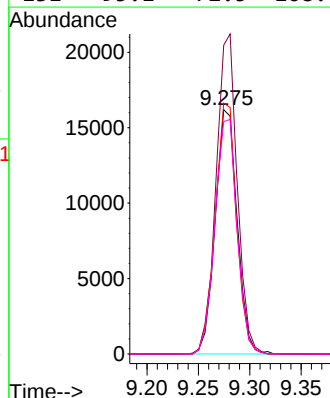
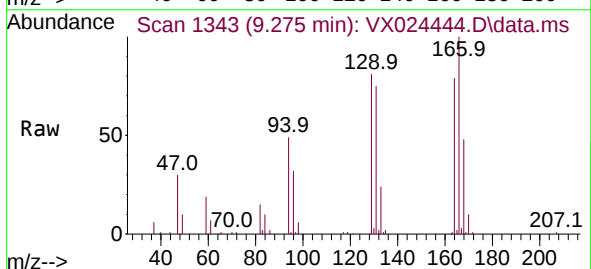
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

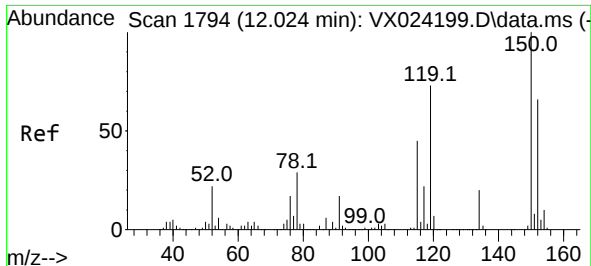
Tgt Ion:117 Resp: 209814
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 32.7 26.6 39.8



#64
Tetrachloroethene
Concen: 14.704 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion:164 Resp: 23900
Ion Ratio Lower Upper
164 100
166 126.4 103.4 155.2
129 102.7 70.8 106.2
131 95.1 72.5 108.7

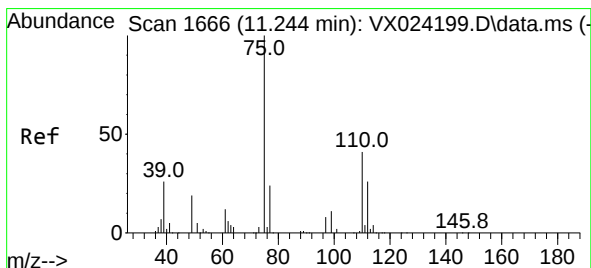
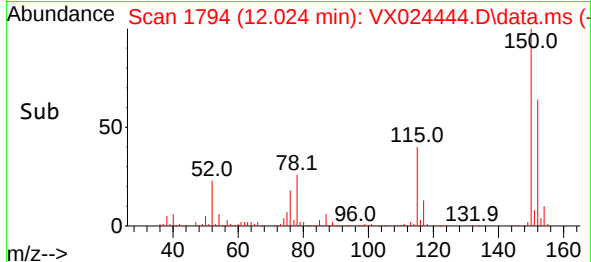
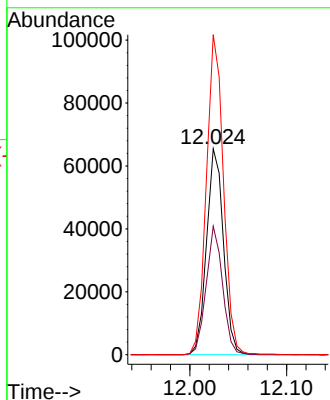
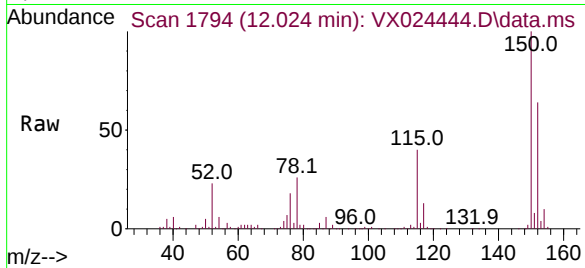




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024444.D
 Acq: 22 Sep 2021 19:02

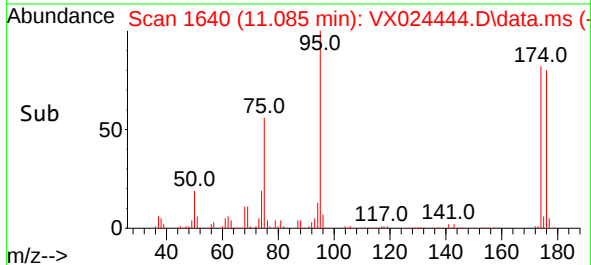
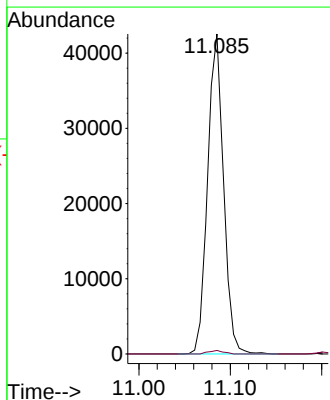
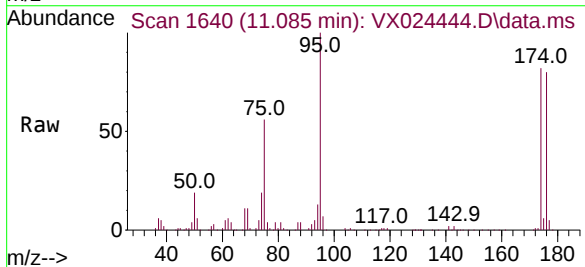
Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-AREA-03-(8-10)MEDL

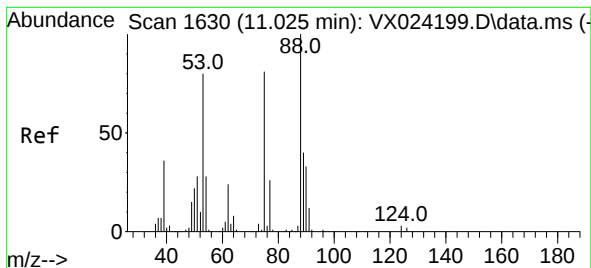
Tgt Ion:152 Resp: 79690
 Ion Ratio Lower Upper
 152 100
 115 60.7 41.1 123.3
 150 156.5 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.043 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024444.D
 Acq: 22 Sep 2021 19:02

Tgt Ion: 75 Resp: 51386
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

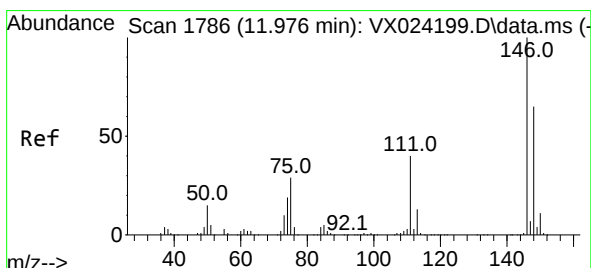
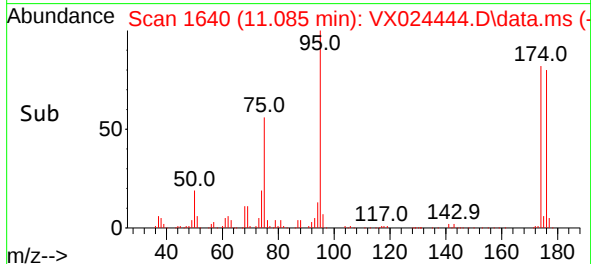
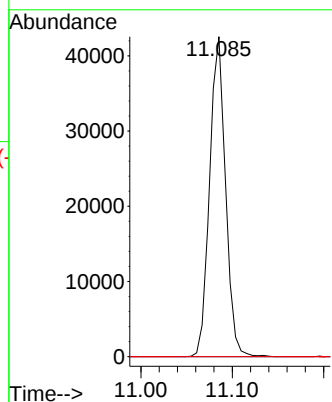
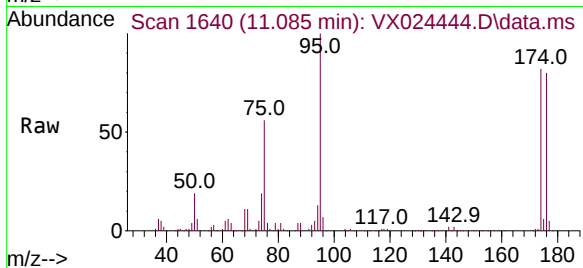




#81
trans-1,4-Dichloro-2-butene
Concen: 82.475 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

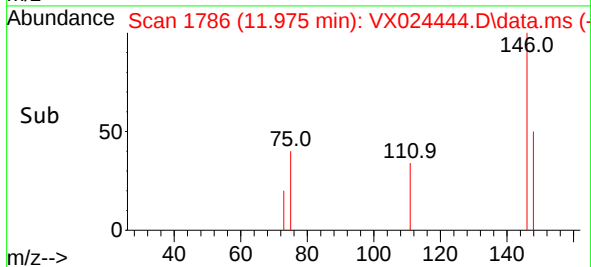
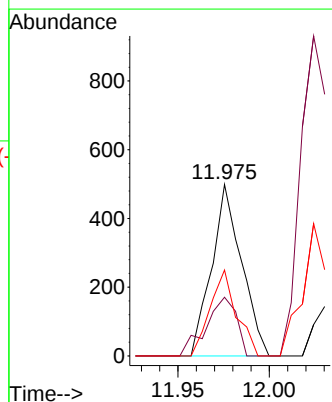
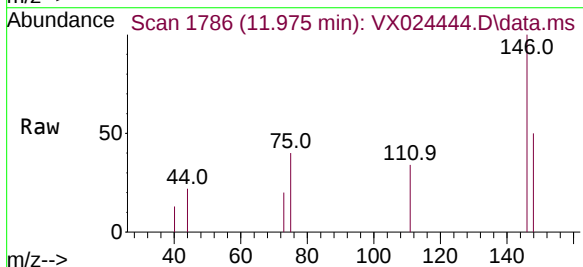
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

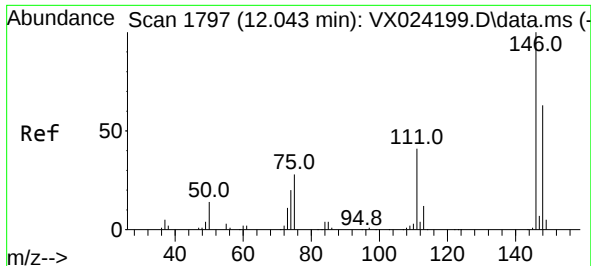
Tgt Ion: 75 Resp: 51386
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.213 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.001 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion:146 Resp: 568
Ion Ratio Lower Upper
146 100
111 34.9 20.2 60.5
148 44.2 31.9 95.7

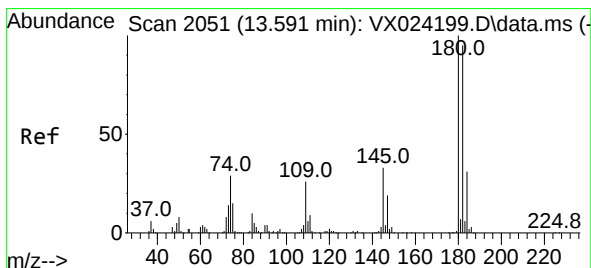
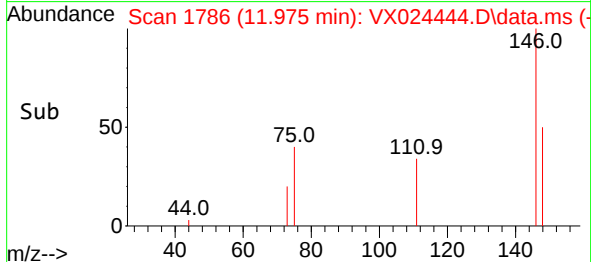
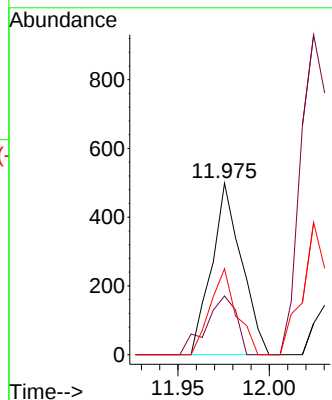
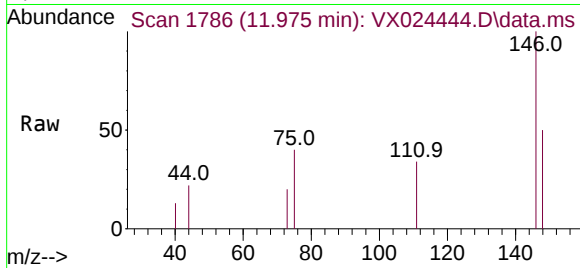




#88
1,4-Dichlorobenzene
Concen: 0.208 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. -0.068 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

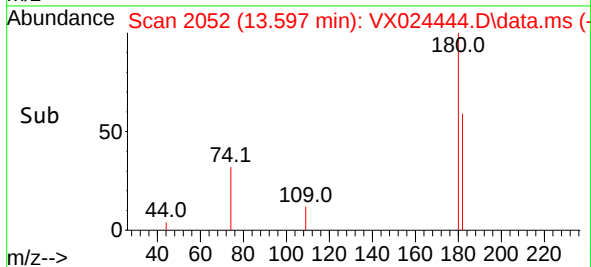
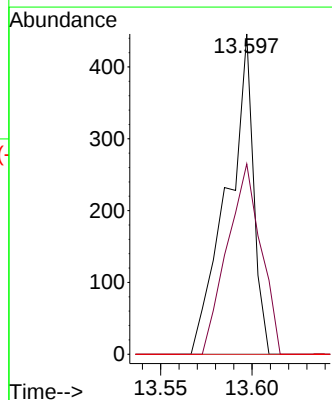
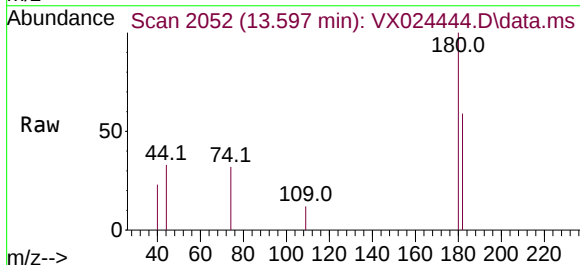
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

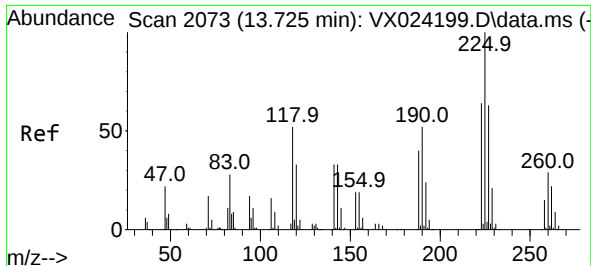
Tgt Ion:146	Resp:	568
Ion	Ratio	Lower Upper
146	100	
111	34.9	19.6 58.8
148	44.2	31.6 95.0



#93
1,2,4-Trichlorobenzene
Concen: 0.287 ug/l
RT: 13.597 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion:180	Resp:	443
Ion	Ratio	Lower Upper
180	100	
182	76.7	47.7 143.1
145	0.0	15.0 45.0#

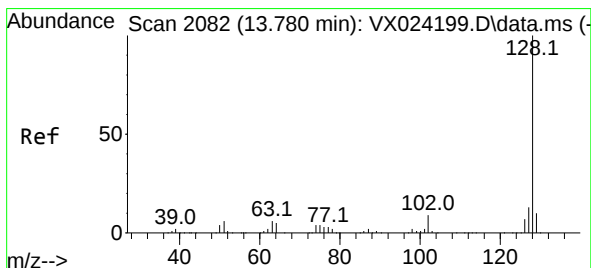
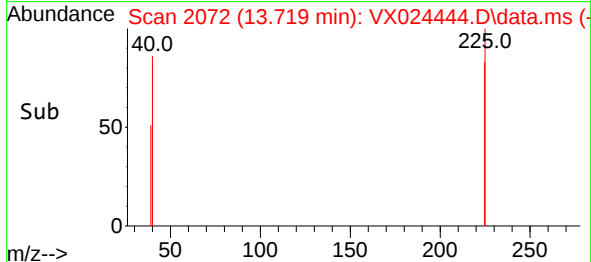
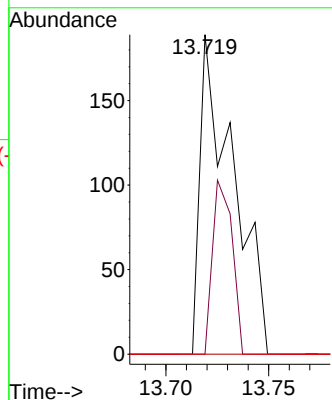
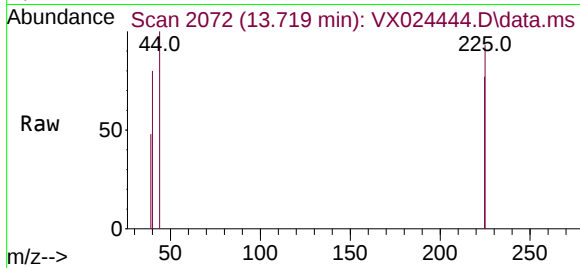




#94
Hexachlorobutadiene
Concen: 0.274 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-03-(8-10)MEDL

Tgt Ion:225 Resp: 211
Ion Ratio Lower Upper
225 100
223 32.2 31.1 93.2
227 0.0 31.6 95.0#



#95
Naphthalene
Concen: 1.397 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024444.D
Acq: 22 Sep 2021 19:02

Tgt Ion:128 Resp: 642
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 5.1 8.8 13.2#

