

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091621\
 Data File : VX024283.D
 Acq On : 16 Sep 2021 13:13
 Operator : JC/MD
 Sample : M3733-08
 Misc : 6.31g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-AREA-02-(25-27)ME

Quant Time: Sep 17 04:39:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

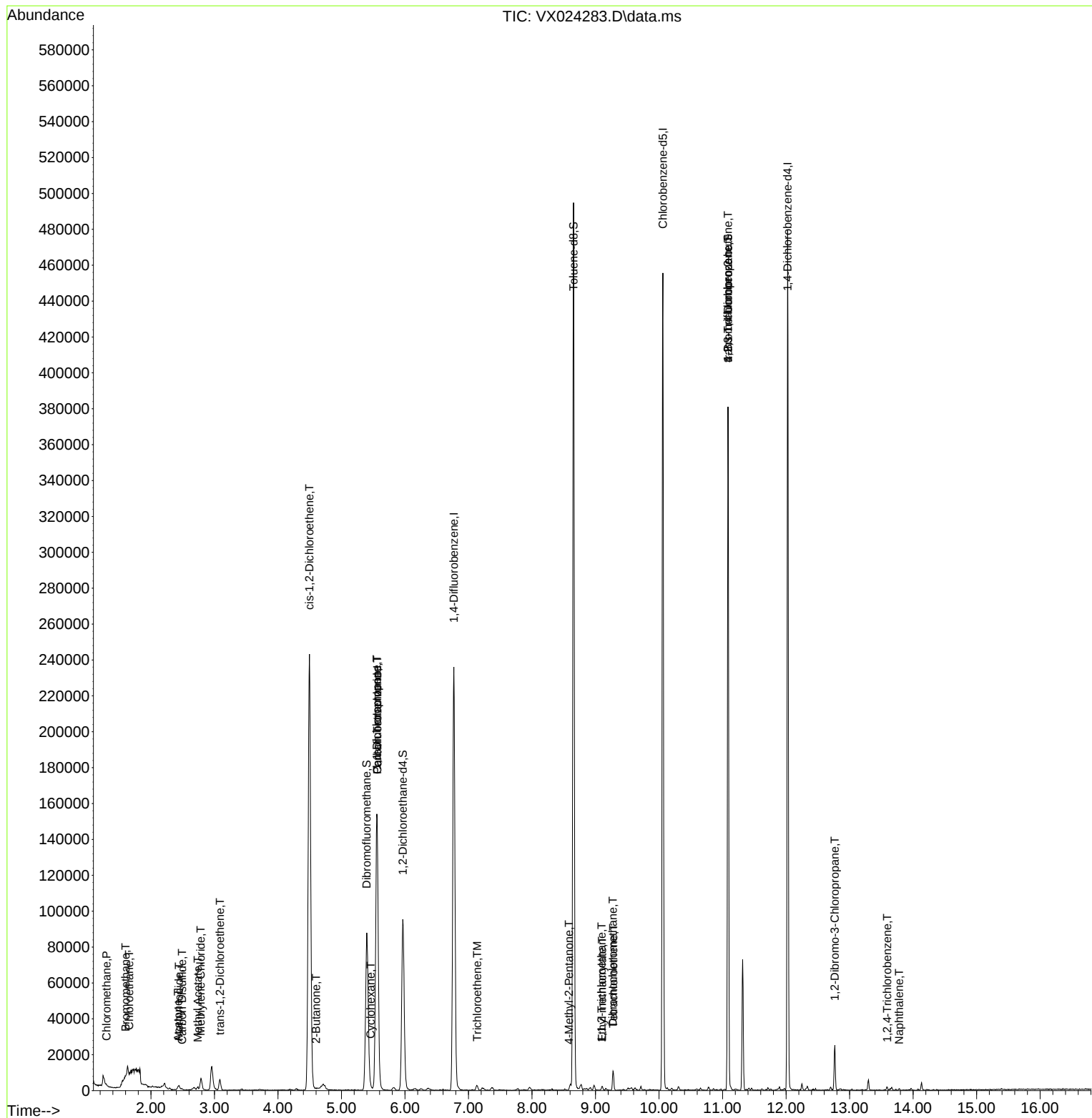
Internal Standards						
1) Pentafluorobenzene	5.562	168	144862	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239896	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	208812	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96664	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99469	48.153	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.300%		
35) Dibromofluoromethane	5.397	113	75890	47.170	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.340%		
50) Toluene-d8	8.652	98	288653	49.250	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.500%		
62) 4-Bromofluorobenzene	11.085	95	97192	42.612	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.220%		
Target Compounds						Qvalue
3) Chloromethane	1.300	50	293	0.201	ug/l #	80
5) Bromomethane	1.599	94	645	0.749	ug/l	92
6) Chloroethane	1.654	64	157	2.130	ug/l #	43
10) Methyl Iodide	2.440	142	1687	0.855	ug/l #	90
11) Tert butyl alcohol	2.958	59	8857	Below Cal	#	75
16) Acetone	2.428	43	1978	2.246	ug/l	99
17) Carbon Disulfide	2.489	76	725	0.217	ug/l #	75
18) Methyl Acetate	2.739	43	2132	0.772	ug/l #	87
20) Methylene Chloride	2.782	84	2788	1.648	ug/l	86
21) trans-1,2-Dichloroethene	3.086	96	2015	1.378	ug/l	83
25) 2-Butanone	4.598	43	650	0.501	ug/l #	45
27) cis-1,2-Dichloroethene	4.495	96	153706	91.018	ug/l	93
31) Cyclohexane	5.458	56	488	0.202	ug/l #	57
36) 1,1-Dichloropropene	5.555	75	11100	5.033	ug/l #	50
38) Carbon Tetrachloride	5.562	117	14886	5.996	ug/l #	15
44) Trichloroethene	7.134	130	1314	0.739	ug/l	65
51) 4-Methyl-2-Pentanone	8.579	43	575	0.221	ug/l #	63
55) 1,1,2-Trichloroethane	9.098	97	732	0.415	ug/l #	15
56) Ethyl methacrylate	9.104	69	87	1.391	ug/l #	1
60) Dibromochloromethane	9.274	129	2012	2.696	ug/l #	11
64) Tetrachloroethene	9.280	164	1987	1.228	ug/l #	86
76) 1,2,3-Trichloropropane	11.085	75	53795	24.203	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	53795	71.180	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.768	75	623	1.166	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.591	180	393	0.210	ug/l	96
95) Naphthalene	13.780	128	843	1.406	ug/l #	86

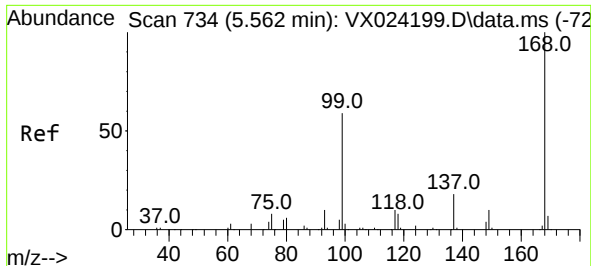
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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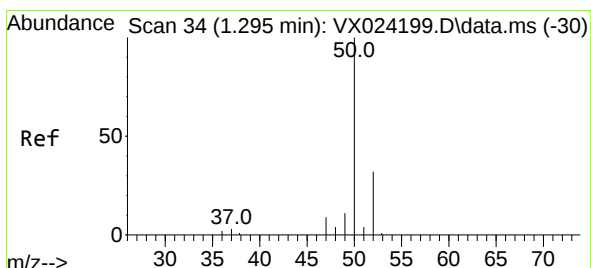
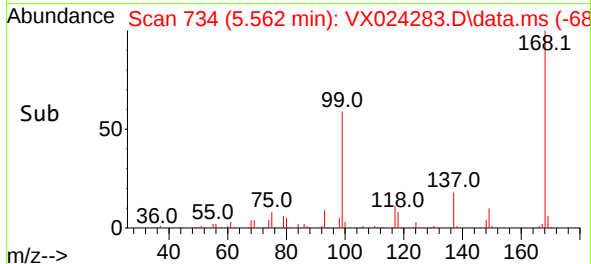
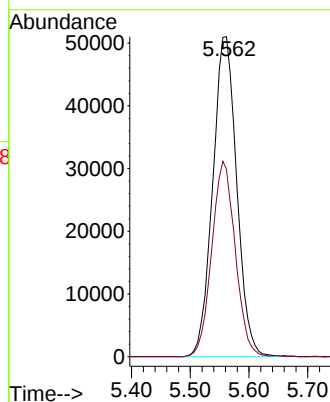
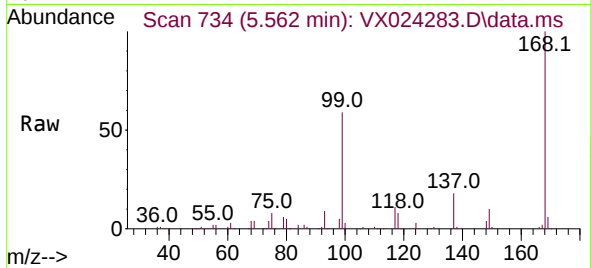




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

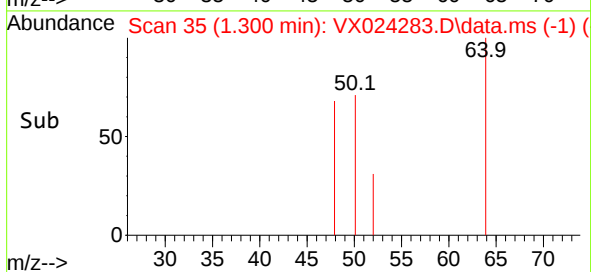
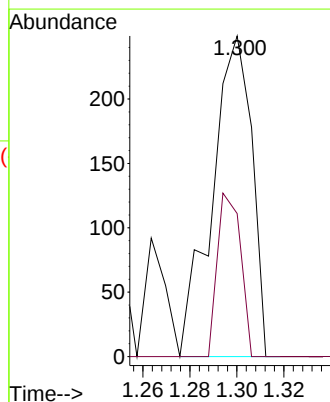
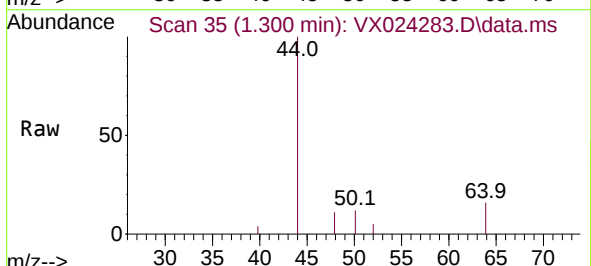
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

Tgt Ion:168 Resp: 144862
Ion Ratio Lower Upper
168 100
99 58.6 45.8 68.6



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.300 min Scan# 35
Delta R.T. 0.005 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 50 Resp: 293
Ion Ratio Lower Upper
50 100
52 44.6 26.4 39.6#

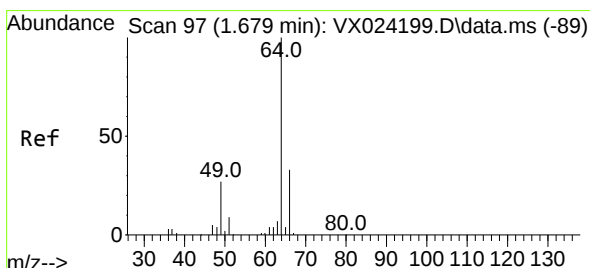
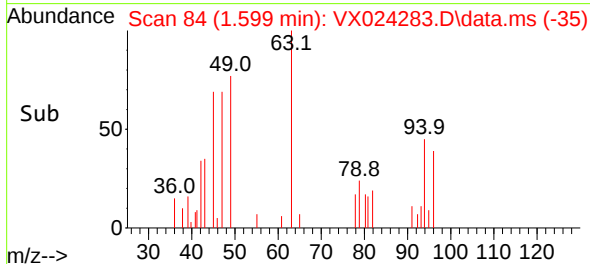
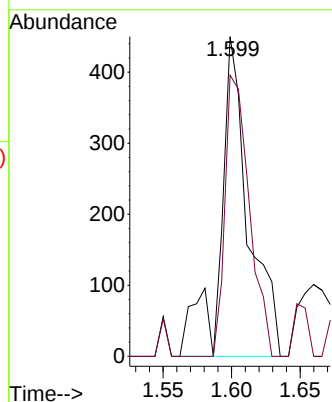
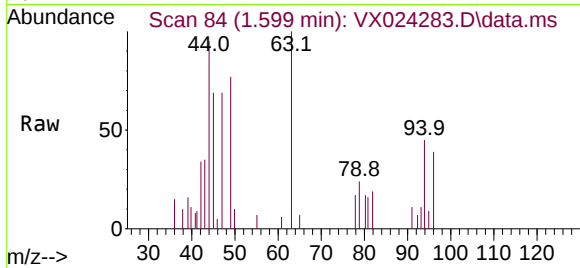




#5
Bromomethane
Concen: 0.749 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

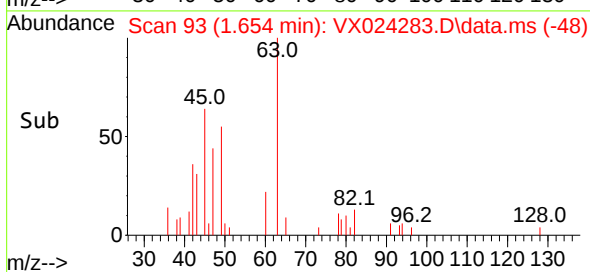
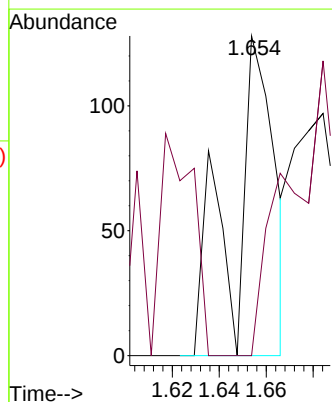
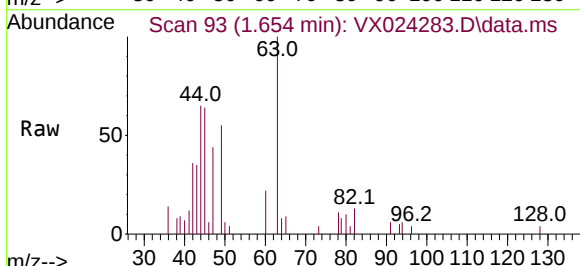
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

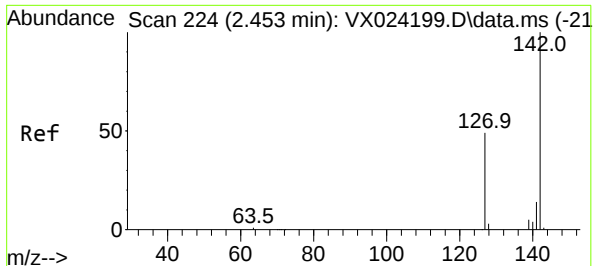
Tgt Ion: 94 Resp: 645
Ion Ratio Lower Upper
94 100
96 88.0 76.4 114.6



#6
Chloroethane
Concen: 2.130 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.025 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 64 Resp: 157
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 0.855 ug/l

RT: 2.440 min Scan# 222

Delta R.T. -0.013 min

Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

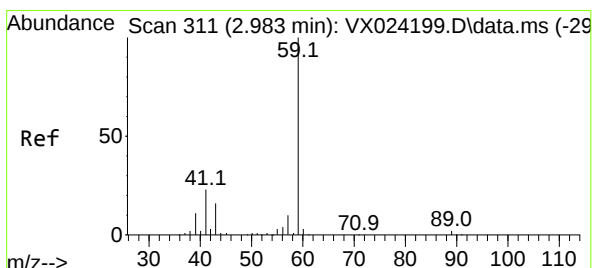
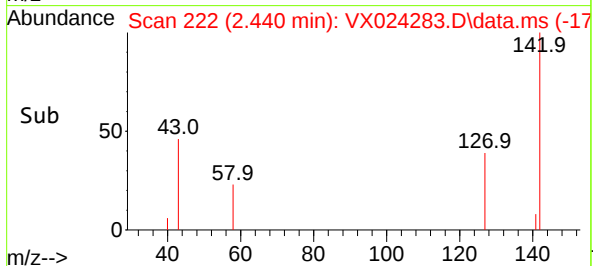
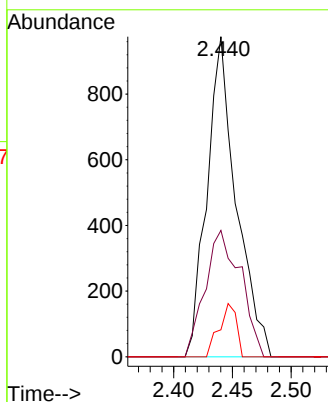
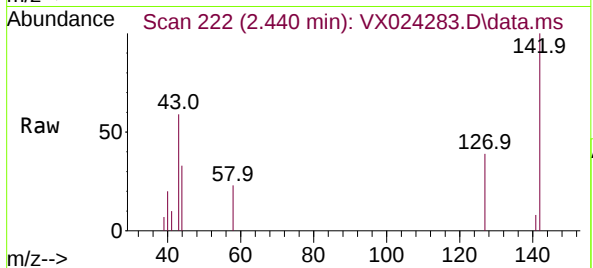
Instrument :

MSVOA_X

ClientSampleId :

NAPL-AREA-02-(25-27)ME

Tgt Ion:142	Resp:	1687
Ion Ratio	Lower	Upper
142	100	
127	47.7	33.3 49.9
141	9.8	11.4 17.0#



#11

Tert butyl alcohol

Concen: Below Cal

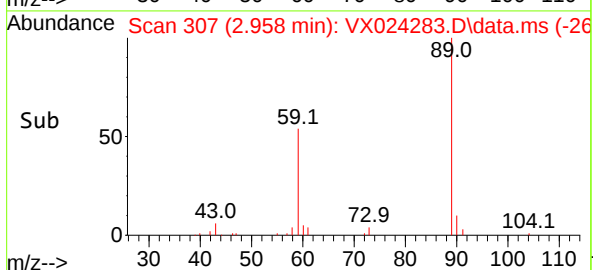
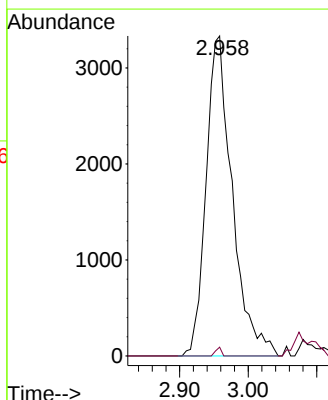
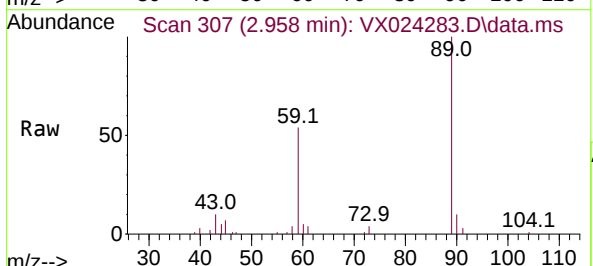
RT: 2.958 min Scan# 307

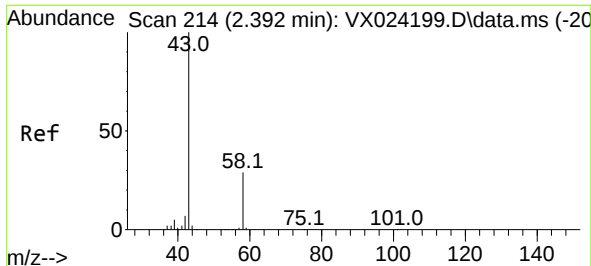
Delta R.T. -0.025 min

Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

Tgt Ion: 59	Resp:	8857
Ion Ratio	Lower	Upper
59	100	
57	0.6	7.8 11.8#

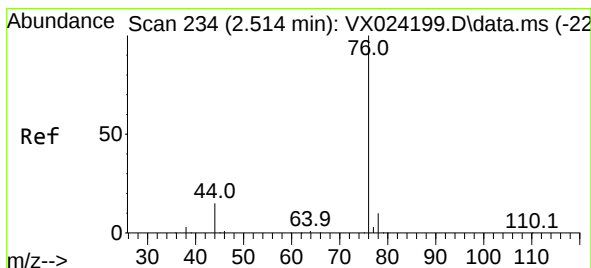
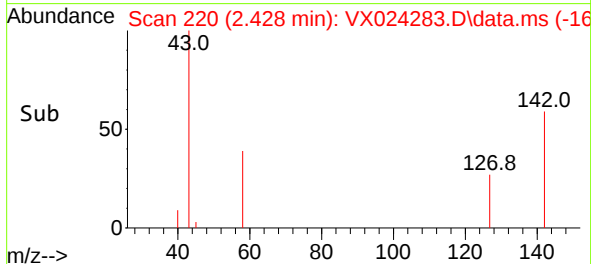
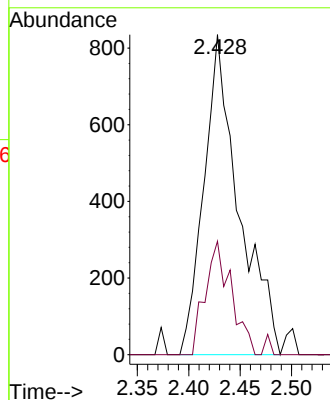
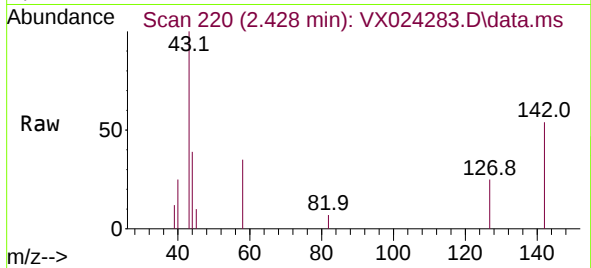




#16
Acetone
Concen: 2.246 ug/l
RT: 2.428 min Scan# 220
Delta R.T. 0.036 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

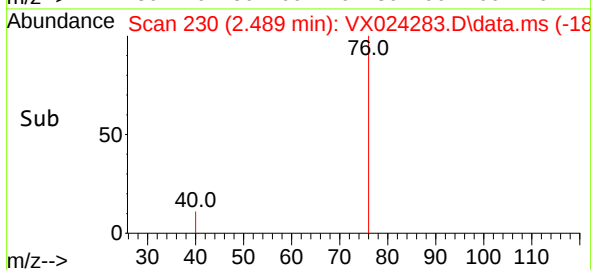
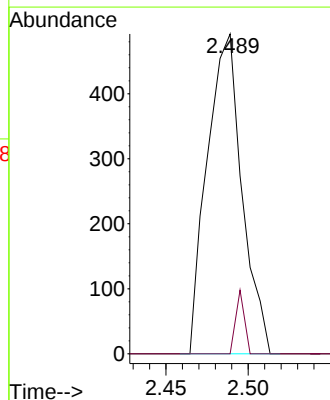
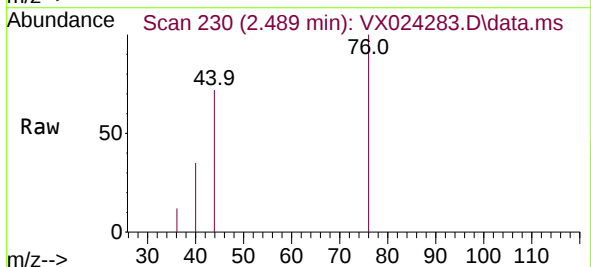
Instrument :
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ClientSampleId :
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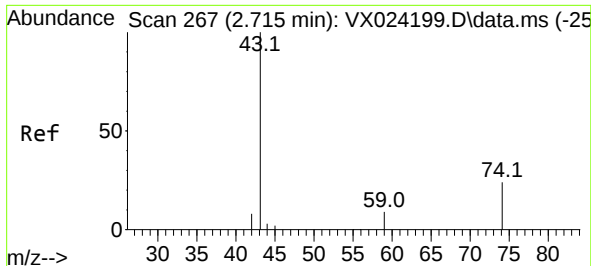
Tgt Ion: 43 Resp: 1978
Ion Ratio Lower Upper
43 100
58 35.4 27.8 41.8



#17
Carbon Disulfide
Concen: 0.217 ug/l
RT: 2.489 min Scan# 230
Delta R.T. -0.025 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 76 Resp: 725
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

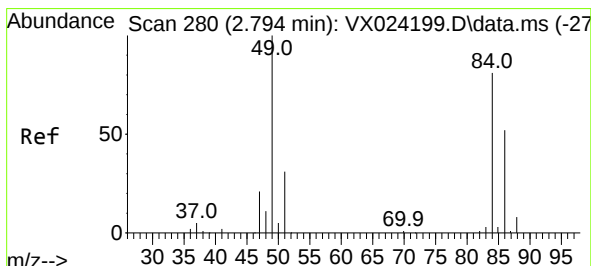
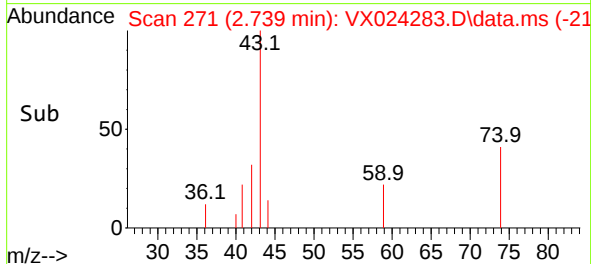
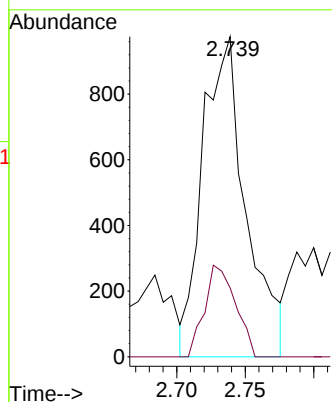
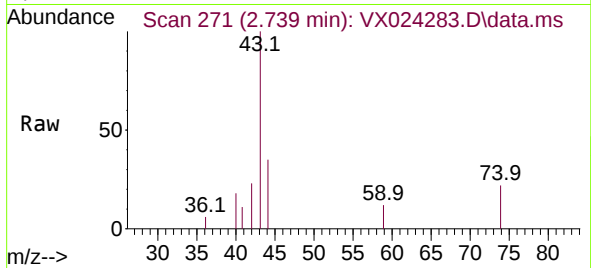




#18
Methyl Acetate
Concen: 0.772 ug/l
RT: 2.739 min Scan# 271
Delta R.T. 0.024 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

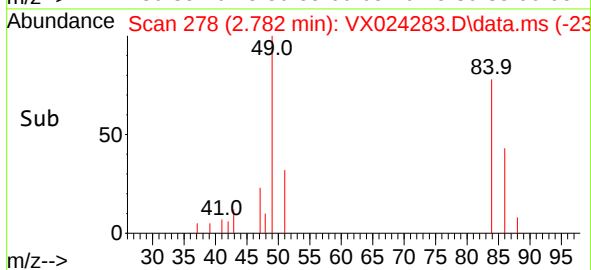
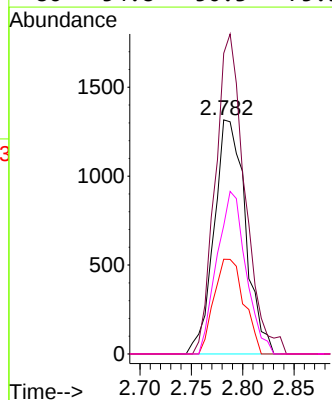
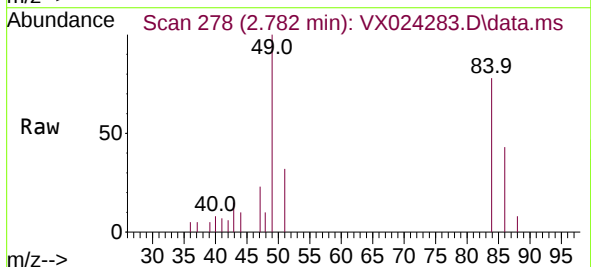
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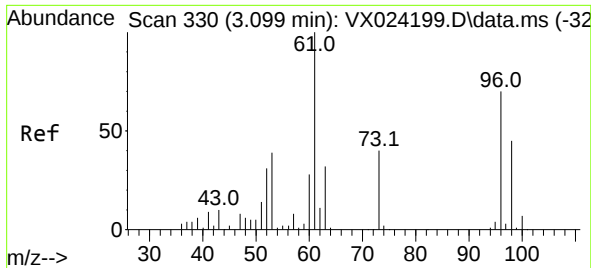
Tgt Ion: 43 Resp: 2132
Ion Ratio Lower Upper
43 100
74 20.5 21.9 32.9#



#20
Methylene Chloride
Concen: 1.648 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 84 Resp: 2788
Ion Ratio Lower Upper
84 100
49 128.4 88.6 132.8
51 40.5 27.0 40.6
86 54.8 50.3 75.5

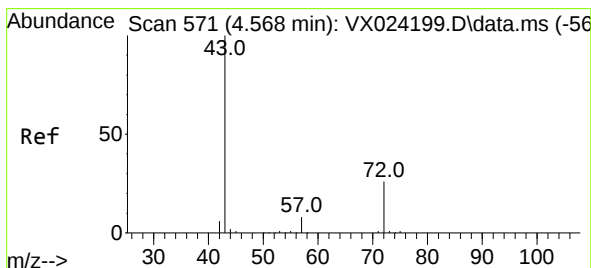
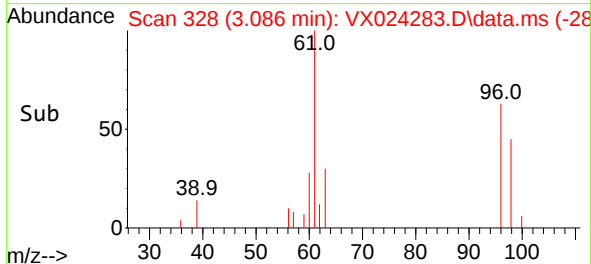
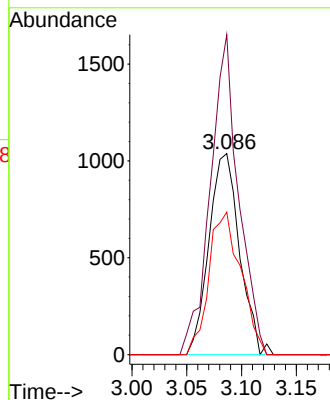
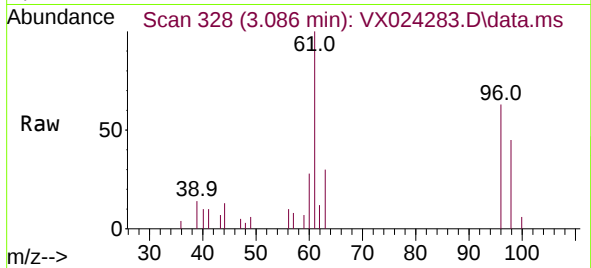




#21
trans-1,2-Dichloroethene
Concen: 1.378 ug/l
RT: 3.086 min Scan# 328
Delta R.T. -0.013 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

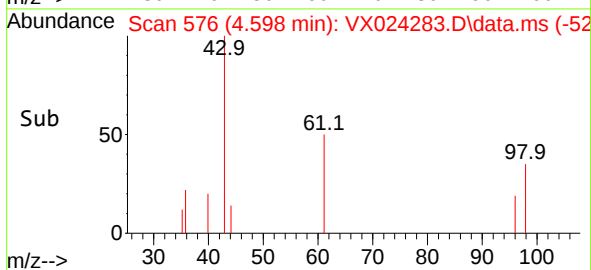
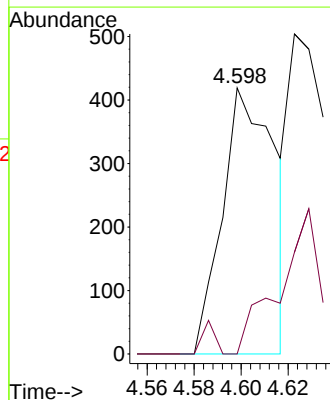
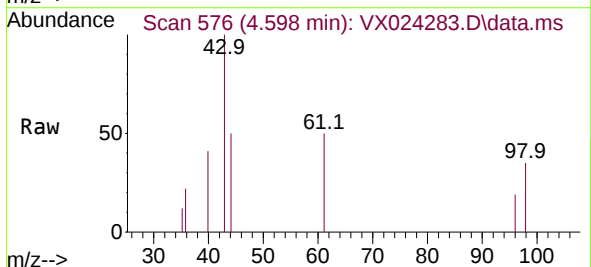
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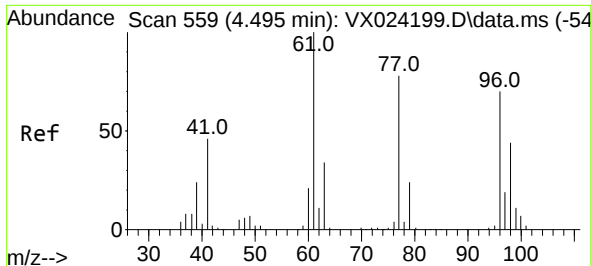
Tgt Ion: 96 Resp: 2015
Ion Ratio Lower Upper
96 100
61 159.2 107.7 161.5
98 70.9 50.4 75.6



#25
2-Butanone
Concen: 0.501 ug/l
RT: 4.598 min Scan# 576
Delta R.T. 0.030 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#27

cis-1,2-Dichloroethene

Concen: 91.018 ug/l

RT: 4.495 min Scan# 559

Delta R.T. -0.000 min

Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

Tgt Ion: 96 Resp: 153706

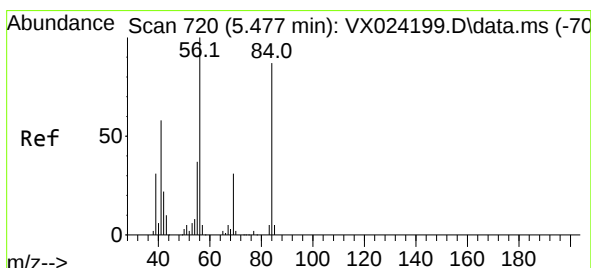
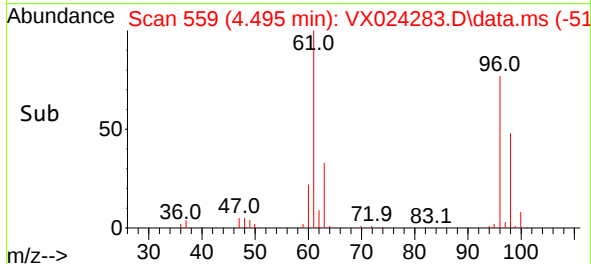
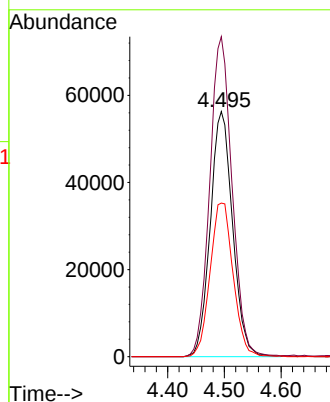
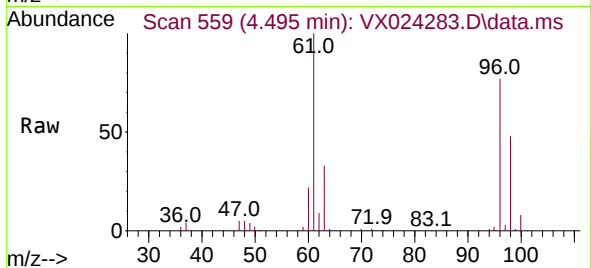
Ion	Ratio	Lower	Upper
96	100		
61	130.8	0.0	285.6
98	64.7	0.0	129.6

Instrument :

MSVOA_X

ClientSampleId :

NAPL-AREA-02-(25-27)ME



#31

Cyclohexane

Concen: 0.202 ug/l

RT: 5.458 min Scan# 717

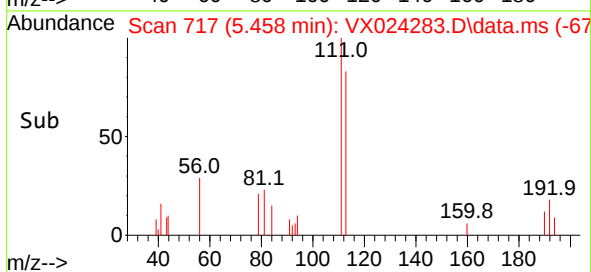
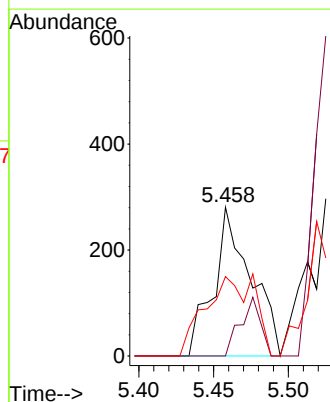
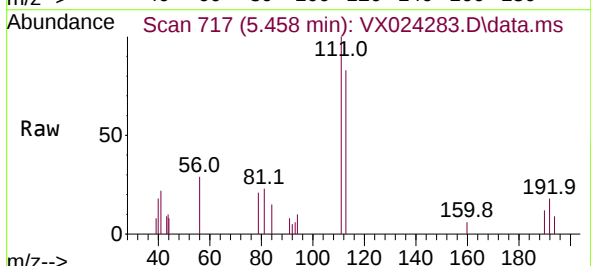
Delta R.T. -0.019 min

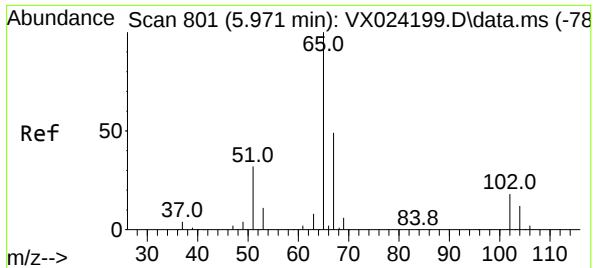
Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

Tgt Ion: 56 Resp: 488

Ion	Ratio	Lower	Upper
56	100		
69	0.0	25.3	37.9#
84	53.4	71.4	107.0#



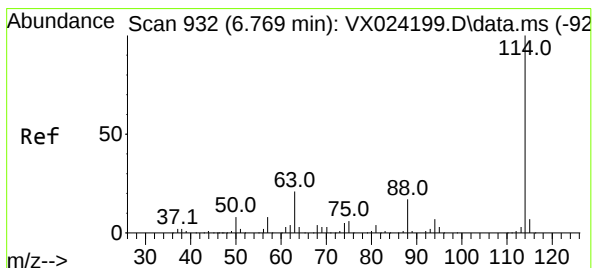
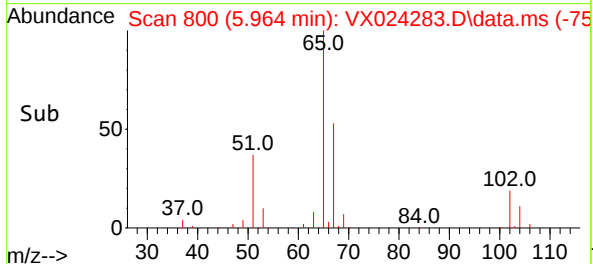
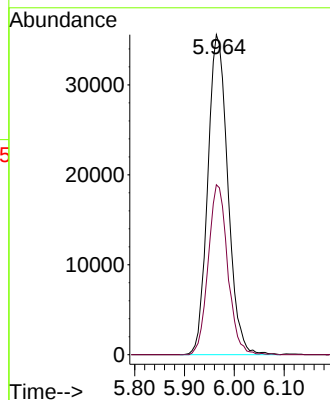
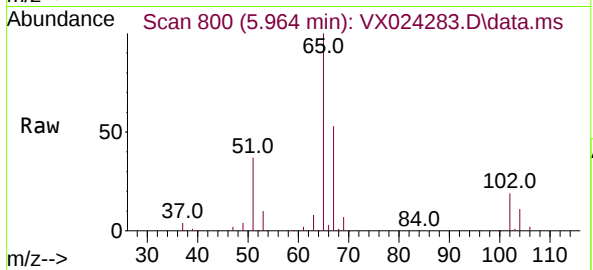


#33

1,2-Dichloroethane-d4
Concen: 48.153 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.007 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

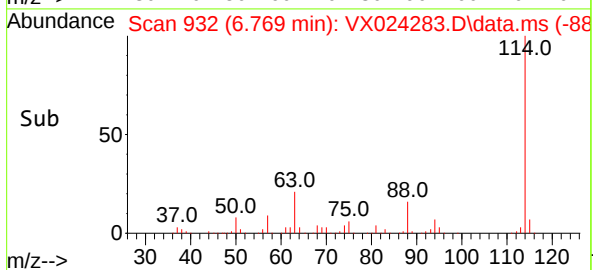
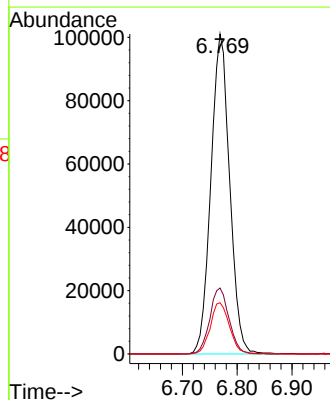
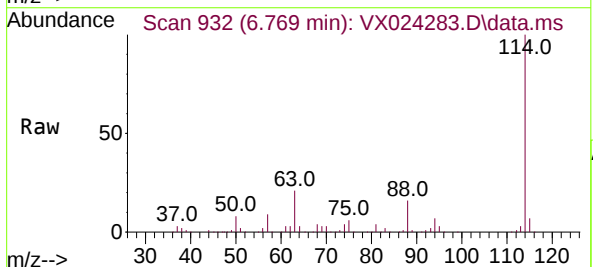
Tgt Ion: 65 Resp: 99469
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.4

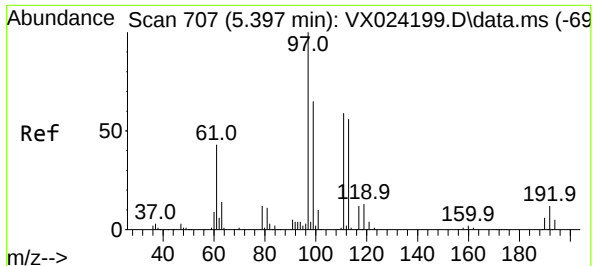


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 114 Resp: 239896
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.170 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

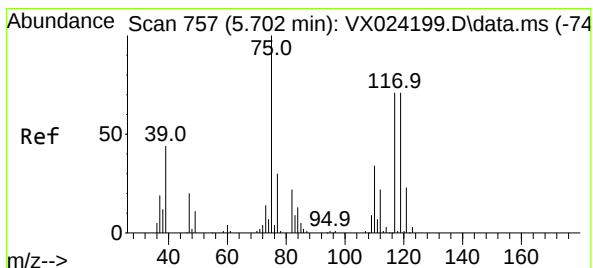
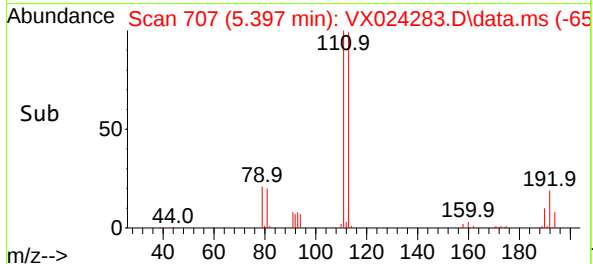
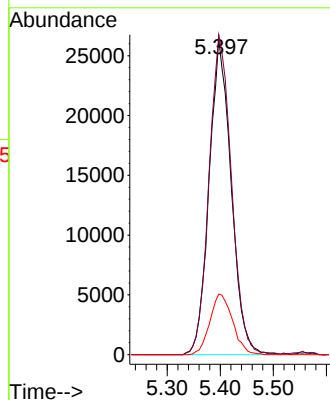
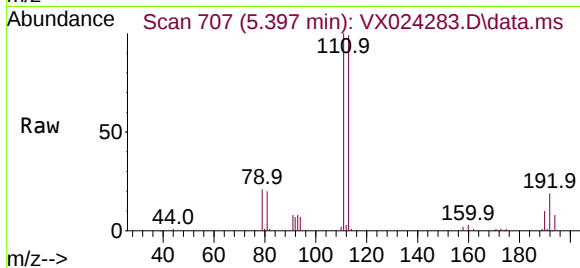
Tgt Ion:	113	Resp:	75890
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.9	122.9
192	19.9	16.7	25.1

Instrument :

MSVOA_X

ClientSampleId :

NAPL-AREA-02-(25-27)ME



#36

1,1-Dichloropropene

Concen: 5.033 ug/l

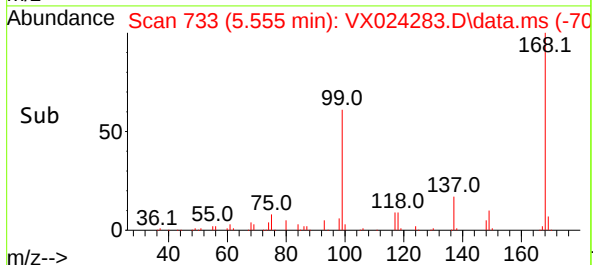
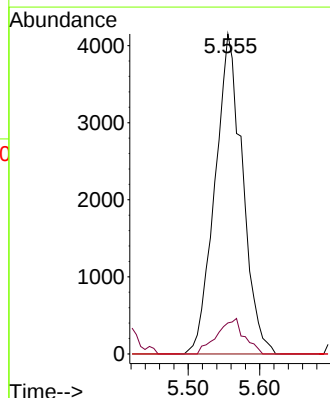
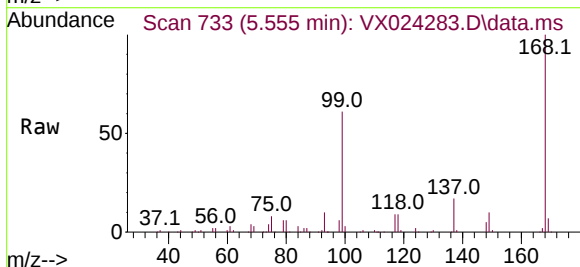
RT: 5.555 min Scan# 733

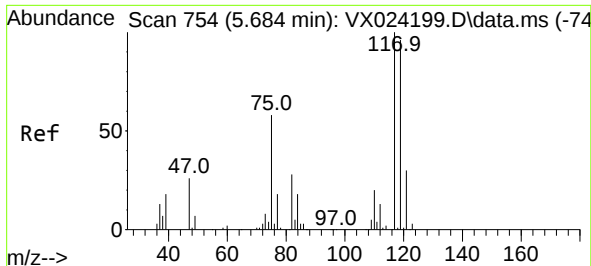
Delta R.T. -0.147 min

Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

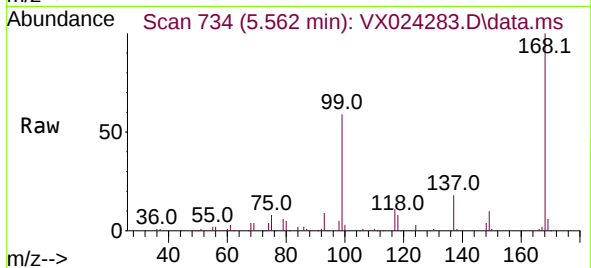
Tgt Ion:	75	Resp:	11100
Ion	Ratio	Lower	Upper
75	100		
110	10.8	18.1	54.4#
77	0.0	25.3	37.9#



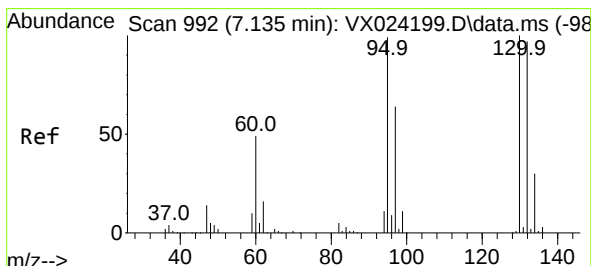
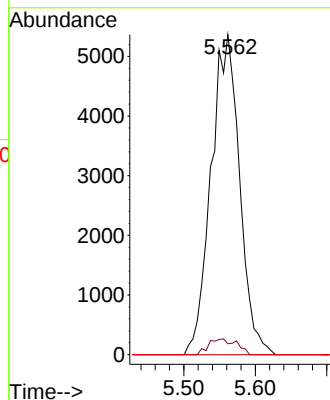
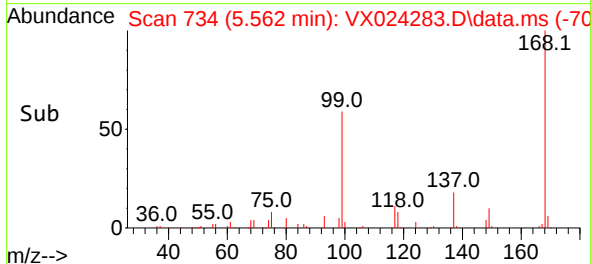


#38
Carbon Tetrachloride
Concen: 5.996 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

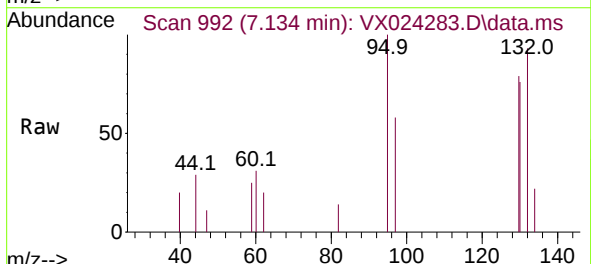
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME



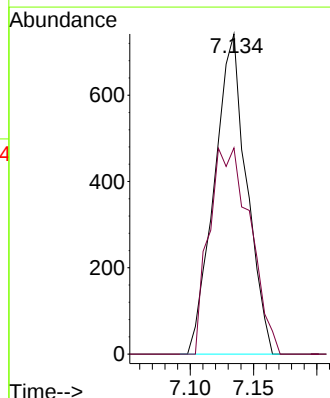
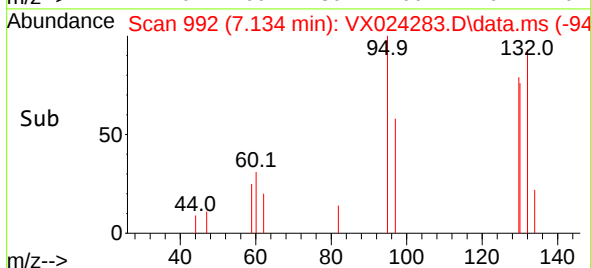
Tgt Ion:117 Resp: 14886
Ion Ratio Lower Upper
117 100
119 3.4 76.2 114.2#
121 0.0 24.8 37.2#

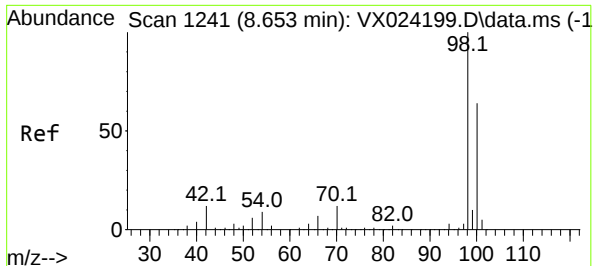


#44
Trichloroethene
Concen: 0.739 ug/l
RT: 7.134 min Scan# 992
Delta R.T. -0.001 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13



Tgt Ion:130 Resp: 1314
Ion Ratio Lower Upper
130 100
95 64.4 0.0 198.0





#50

Toluene-d8

Concen: 49.250 ug/l

RT: 8.652 min Scan# 1241

Delta R.T. -0.001 min

Lab File: VX024283.D

Acq: 16 Sep 2021 13:13

Tgt Ion: 98 Resp: 288653

Ion Ratio Lower Upper

98 100

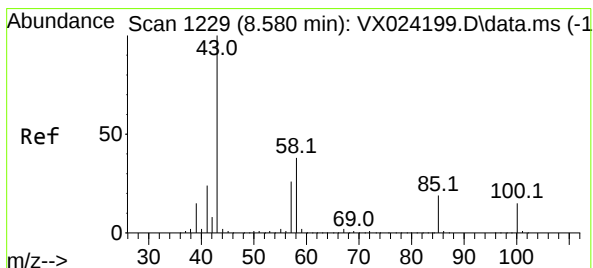
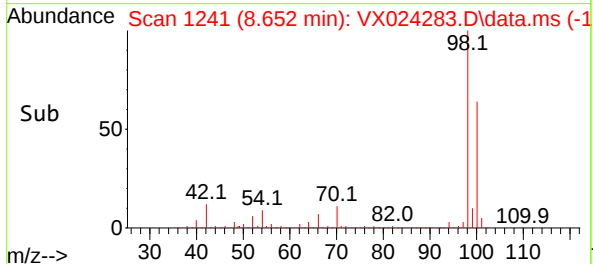
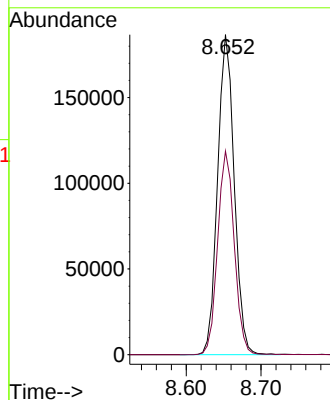
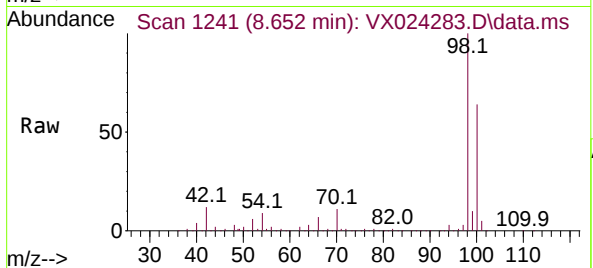
100 63.7 51.9 77.9

Instrument :

MSVOA_X

ClientSampleId :

NAPL-AREA-02-(25-27)ME



#51

4-Methyl-2-Pentanone

Concen: 0.221 ug/l

RT: 8.579 min Scan# 1229

Delta R.T. -0.001 min

Lab File: VX024283.D

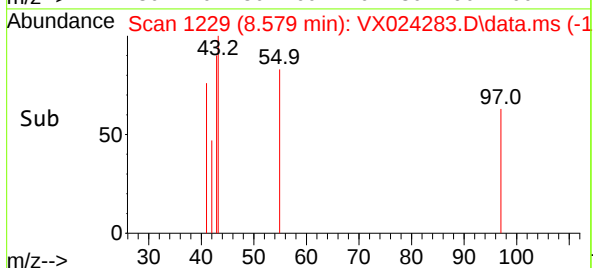
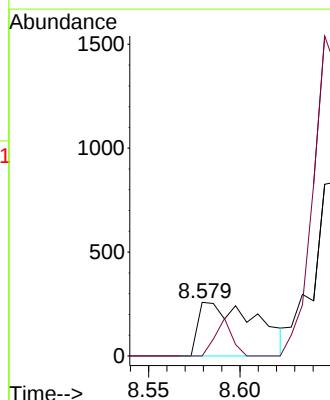
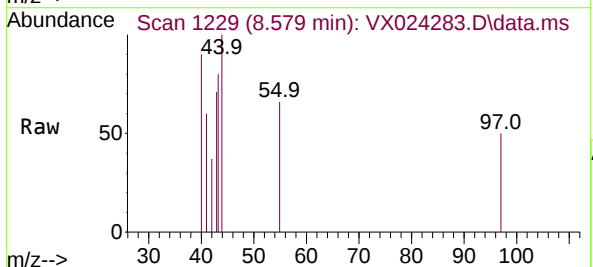
Acq: 16 Sep 2021 13:13

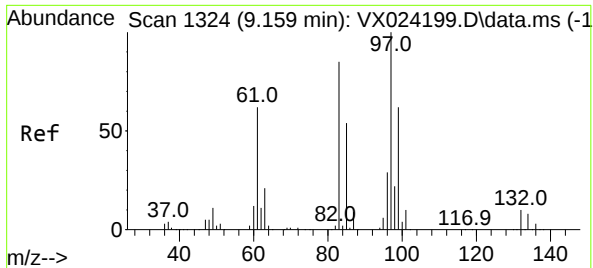
Tgt Ion: 43 Resp: 575

Ion Ratio Lower Upper

43 100

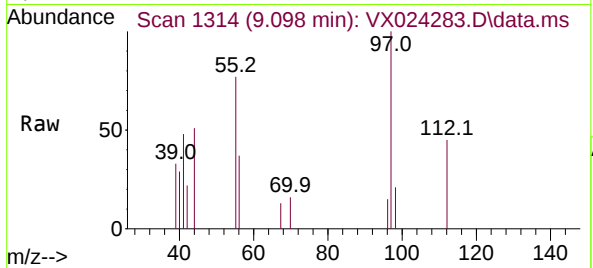
58 20.2 35.4 53.0#



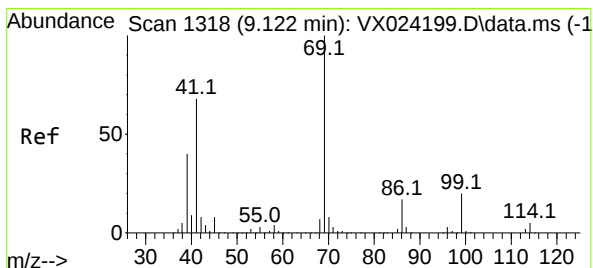
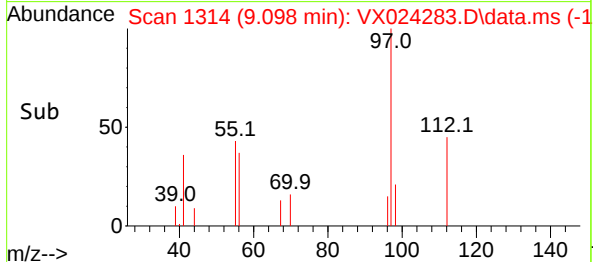
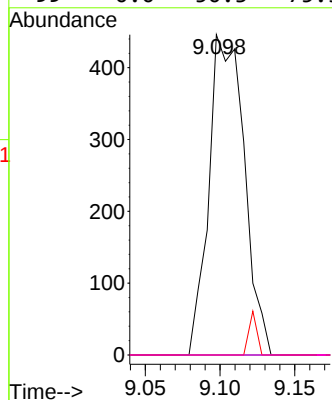


#55
1,1,2-Trichloroethane
Concen: 0.415 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.062 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

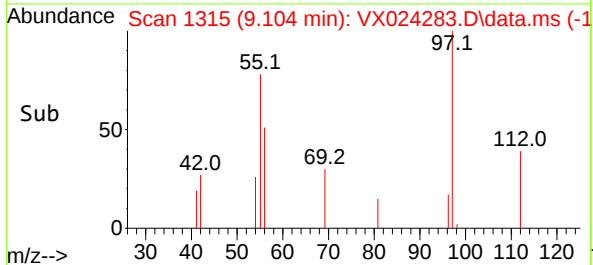
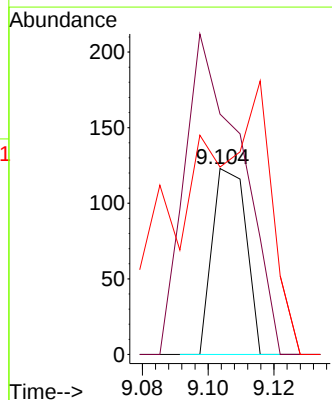
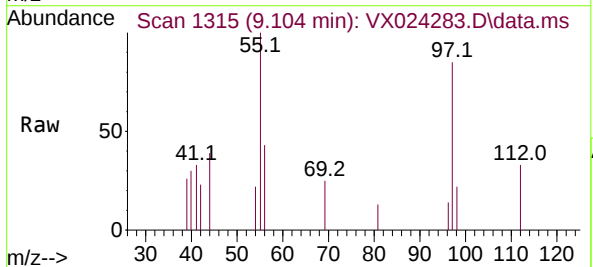


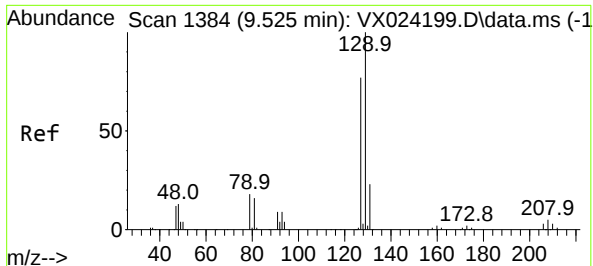
Tgt Ion:	97	Resp:	732
Ion	Ratio	Lower	Upper
97	100		
83	0.0	69.3	103.9#
85	0.0	44.3	66.5#
99	0.0	50.3	75.5#



#56
Ethyl methacrylate
Concen: 1.391 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.018 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion:	69	Resp:	87
Ion	Ratio	Lower	Upper
69	100		
41	289.7	46.8	70.2#
39	427.6	24.7	37.1#

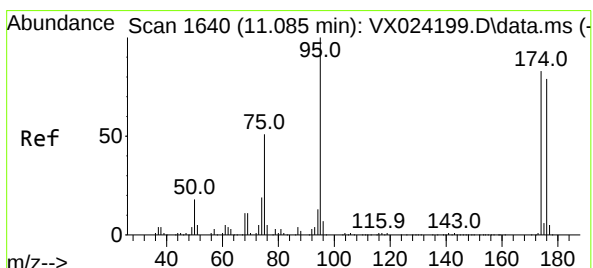
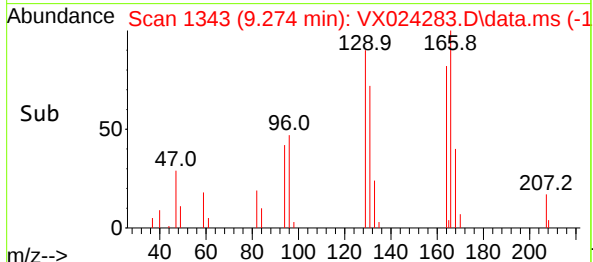
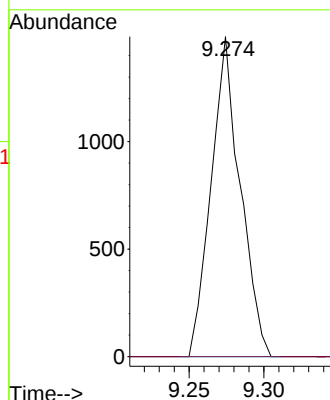
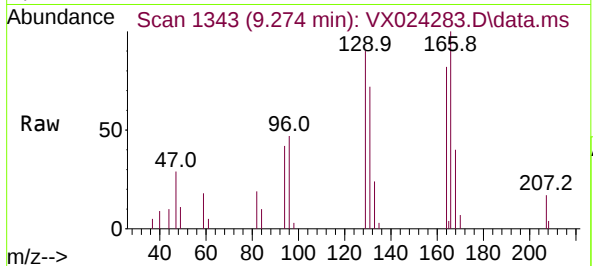




#60
Dibromochloromethane
Concen: 2.696 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.251 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

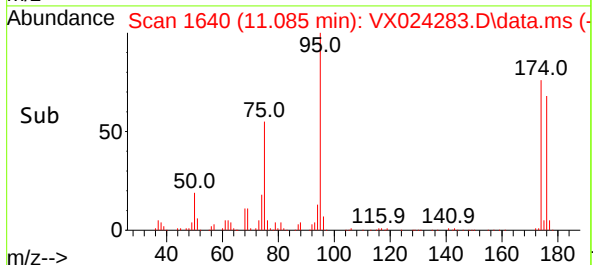
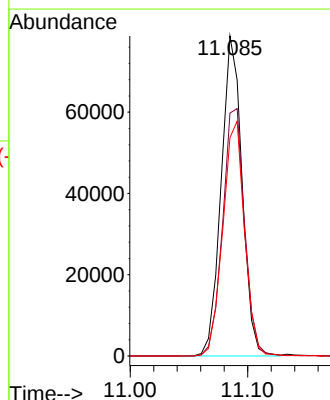
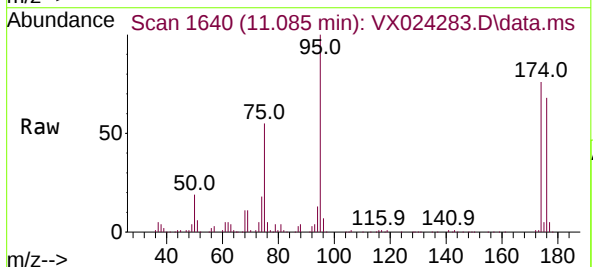
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

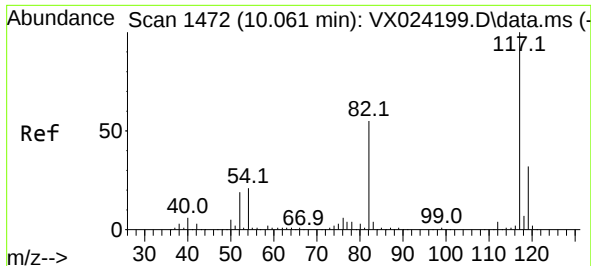
Tgt Ion:129 Resp: 2012
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 42.612 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 95 Resp: 97192
Ion Ratio Lower Upper
95 100
174 81.5 0.0 154.6
176 76.4 0.0 155.8

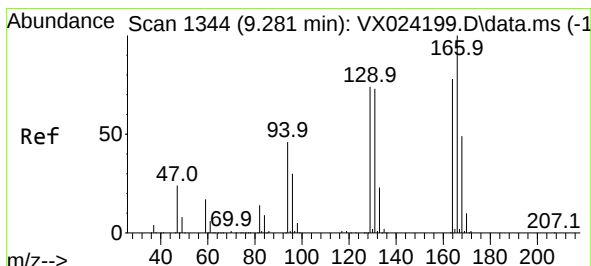
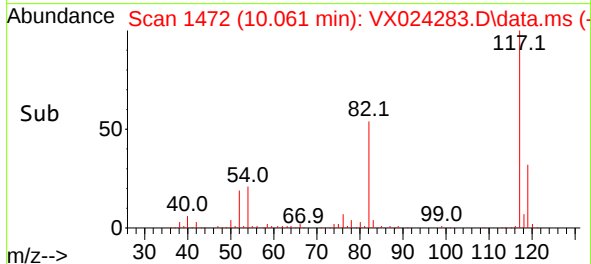
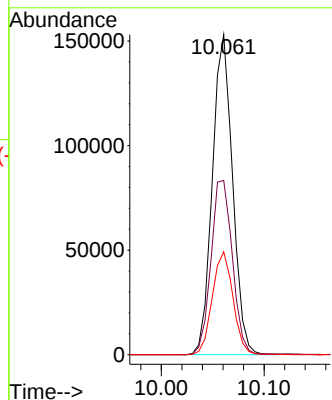
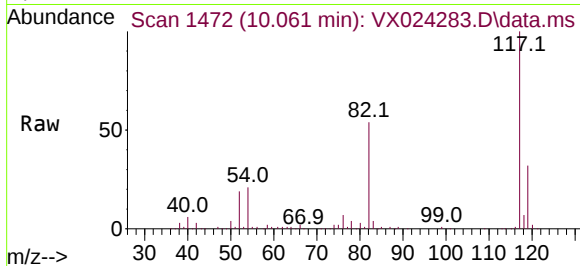




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

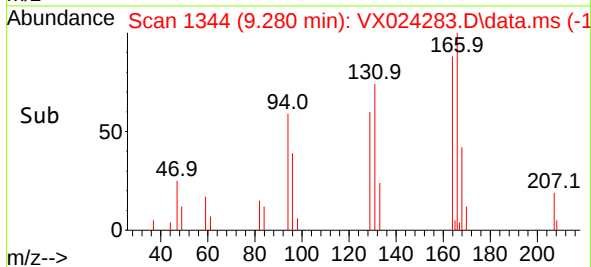
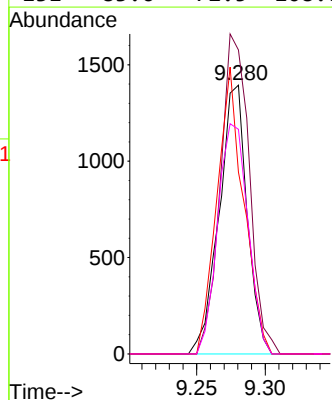
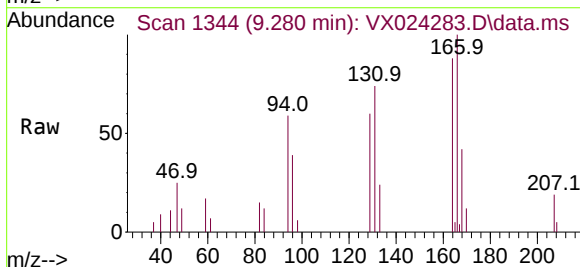
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

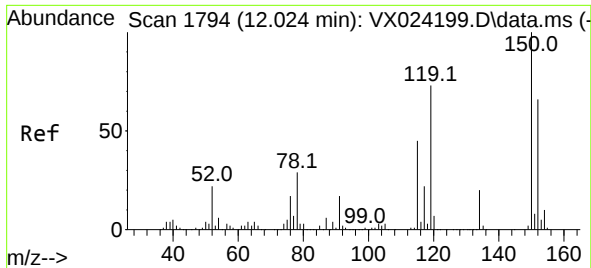
Tgt Ion:	117	Resp:	208812
Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.4	71.2
119	32.1	26.6	39.8



#64
Tetrachloroethene
Concen: 1.228 ug/l
RT: 9.280 min Scan# 1344
Delta R.T. -0.001 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion:	164	Resp:	1987
Ion	Ratio	Lower	Upper
164	100		
166	113.1	103.4	155.2
129	67.7	70.8	106.2#
131	83.6	72.5	108.7

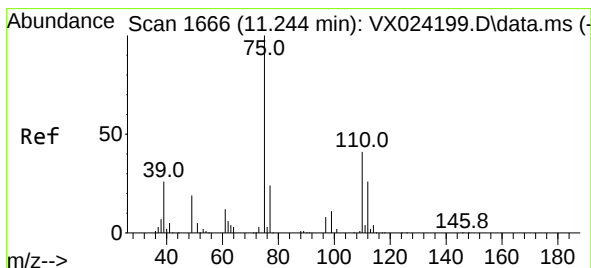
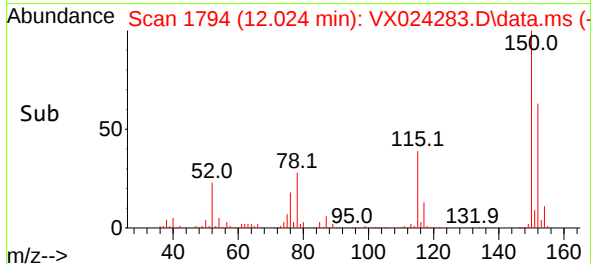
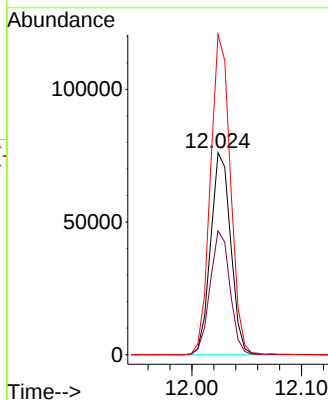
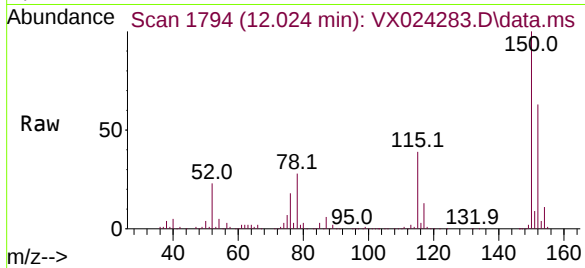




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX024283.D
 Acq: 16 Sep 2021 13:13

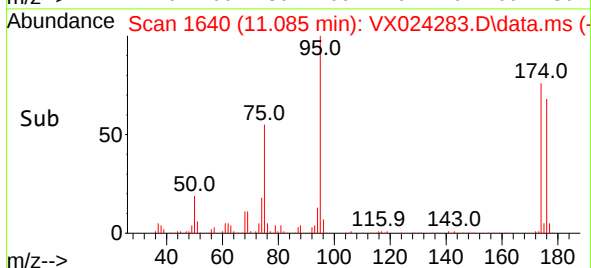
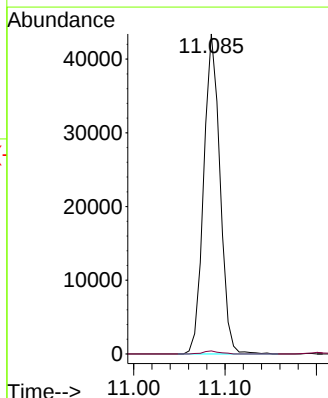
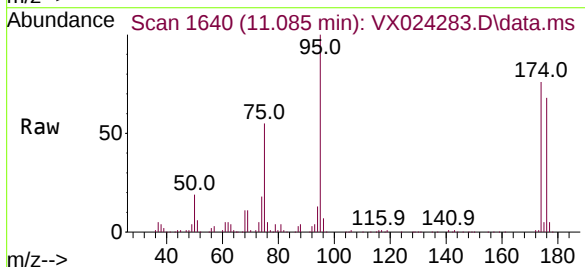
Instrument :
 MSVOA_X
 ClientSampleId :
 NAPL-AREA-02-(25-27)ME

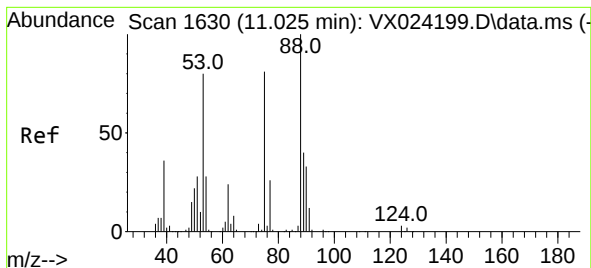
Tgt Ion:152 Resp: 96664
 Ion Ratio Lower Upper
 152 100
 115 60.7 41.1 123.3
 150 157.9 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 24.203 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024283.D
 Acq: 16 Sep 2021 13:13

Tgt Ion: 75 Resp: 53795
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.1 57.5#

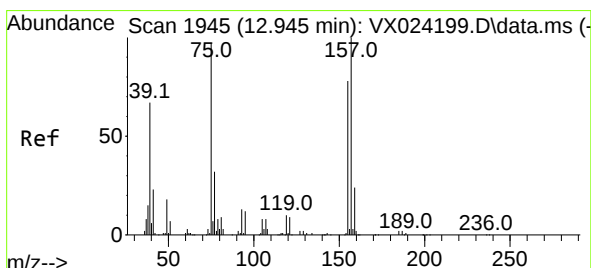
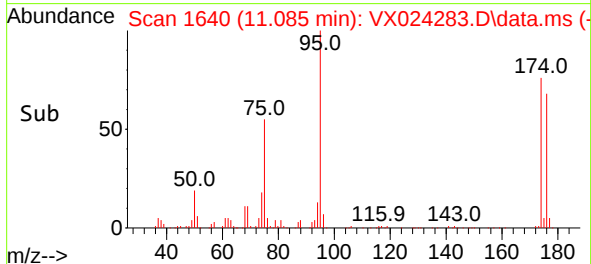
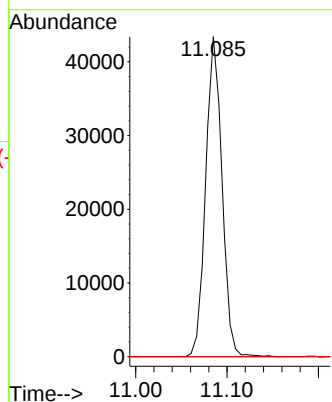
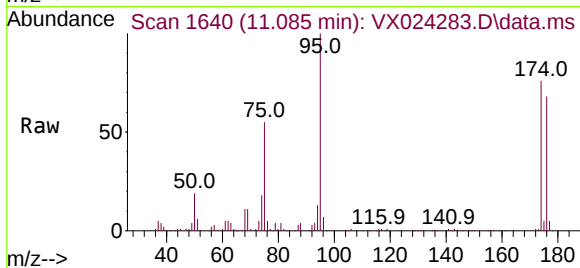




#81
trans-1,4-Dichloro-2-butene
Concen: 71.180 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

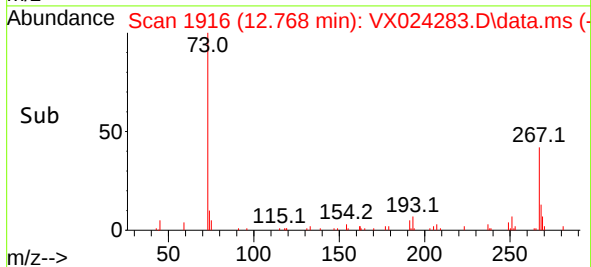
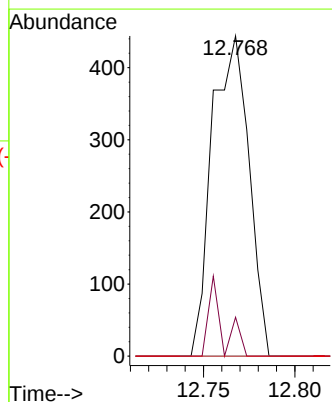
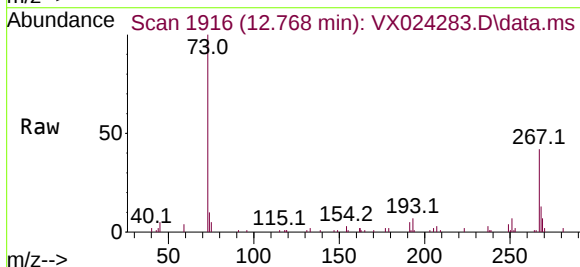
Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

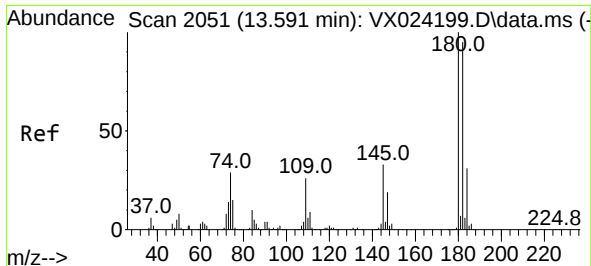
Tgt Ion: 75 Resp: 53795
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.166 ug/l
RT: 12.768 min Scan# 1916
Delta R.T. -0.177 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion: 75 Resp: 623
Ion Ratio Lower Upper
75 100
155 9.6 45.3 135.9#
157 0.0 57.7 173.1#

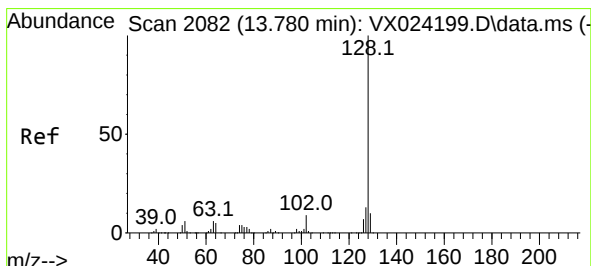
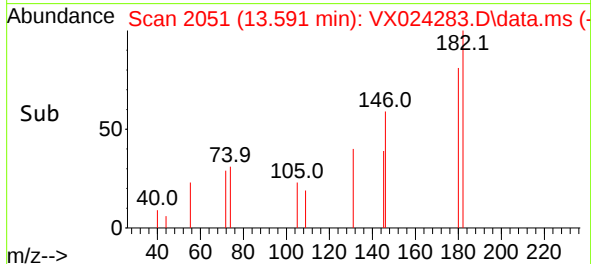
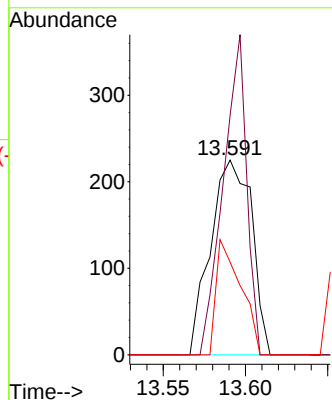
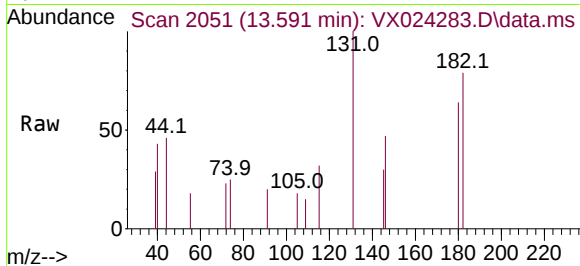




#93
1,2,4-Trichlorobenzene
Concen: 0.210 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Instrument :
MSVOA_X
ClientSampleId :
NAPL-AREA-02-(25-27)ME

Tgt Ion:	180	Resp:	393
Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.7	143.1
145	35.4	15.0	45.0



#95
Naphthalene
Concen: 1.406 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX024283.D
Acq: 16 Sep 2021 13:13

Tgt Ion:	128	Resp:	843
Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.3	15.5#
129	3.0	8.8	13.2#

