

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020222\
 Data File : VD071881.D
 Acq On : 02 Feb 2022 15:22
 Operator : VA/SY
 Sample : N1378-01
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ASTORIA-YARD-PIT-11-STOCKPILE

Quant Time: Feb 03 01:07:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

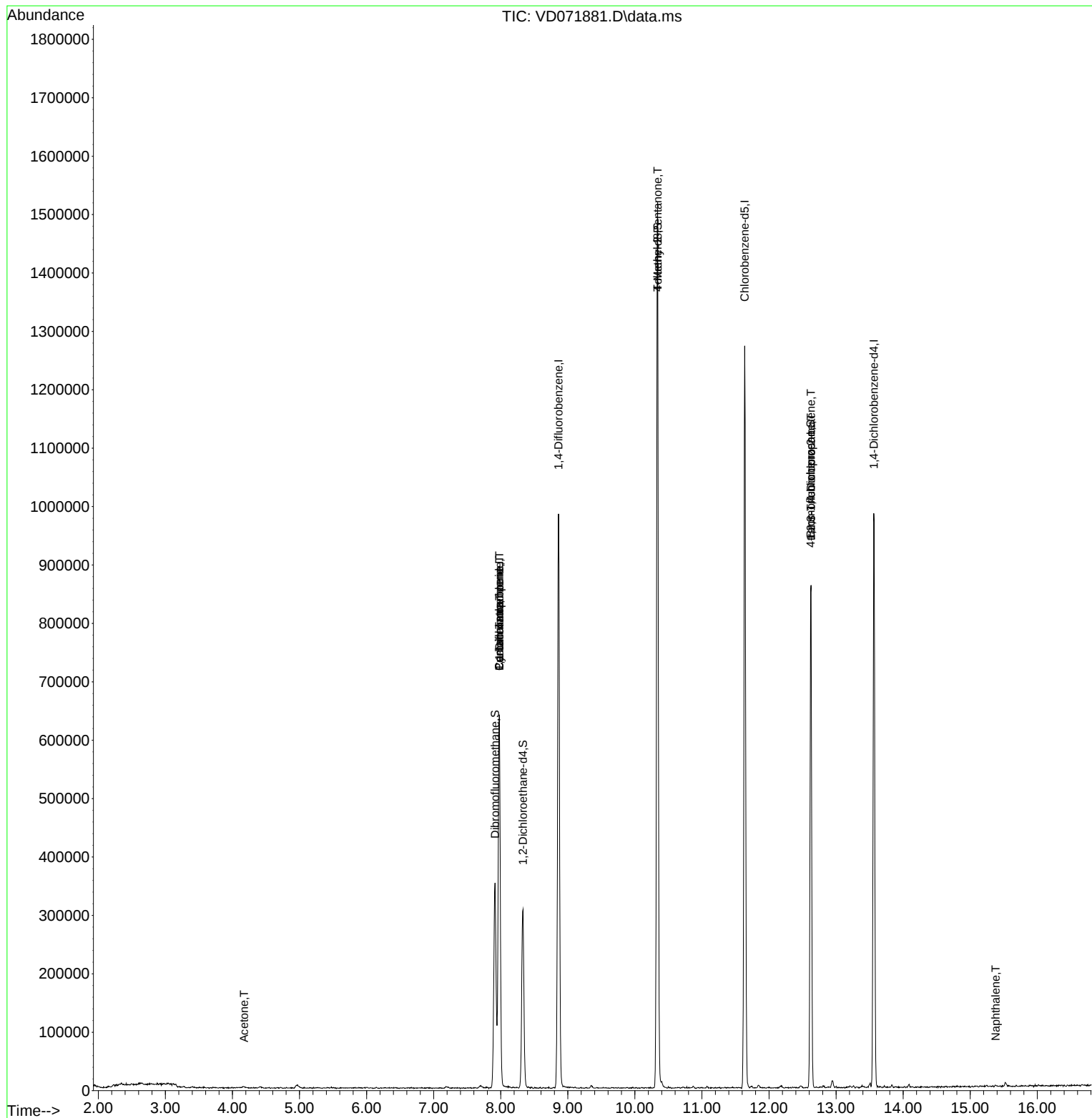
Internal Standards						
1) Pentafluorobenzene	7.979	168	434848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	783415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	678185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	248825	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	251599	45.776	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.560%		
35) Dibromofluoromethane	7.914	113	245154	47.606	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.220%		
50) Toluene-d8	10.338	98	980691	50.992	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	101.980%		
62) 4-Bromofluorobenzene	12.620	95	271698	40.455	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	80.900%		
Target Compounds						
16) Acetone	4.173	43	3169	2.106	ug/l	100
20) Methylene Chloride	4.967	84	3828	Below Cal	#	96
31) Cyclohexane	7.979	56	13332	1.271	ug/l #	11
36) 1,1-Dichloropropene	7.979	75	42193	4.774	ug/l #	51
38) Carbon Tetrachloride	7.979	117	47455	5.429	ug/l #	18
51) 4-Methyl-2-Pentanone	10.338	43	5128	1.327	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	154231	58.815	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	154231	144.613	ug/l #	7
95) Naphthalene	15.379	128	1991	1.677	ug/l #	94

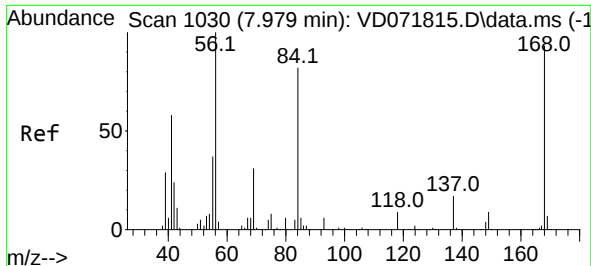
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ASTORIA-YARD-PIT-11-STOCKPILE

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 27 06:04:38 2022
Response via : Initial Calibration

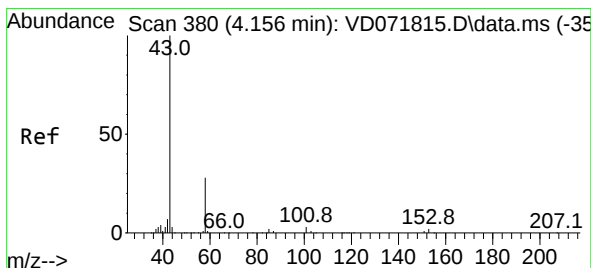
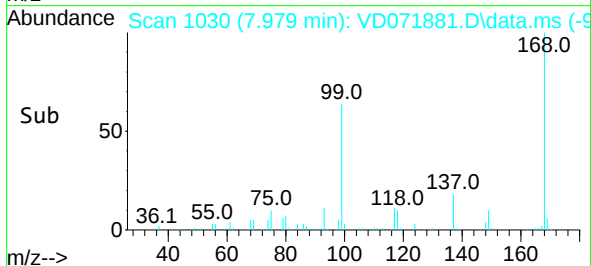
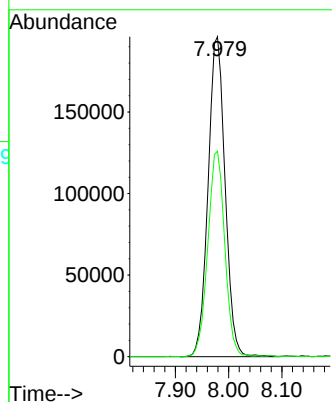
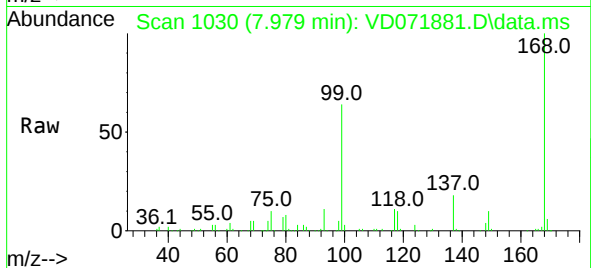




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

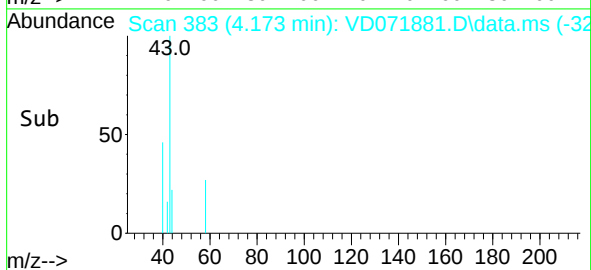
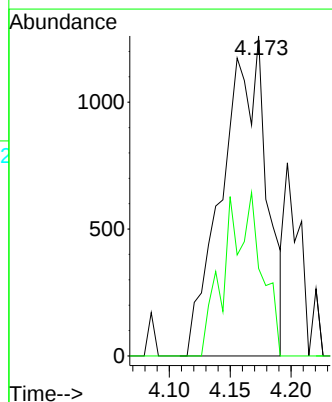
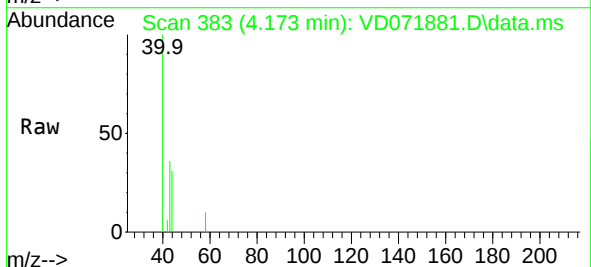
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MSVOA_D
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

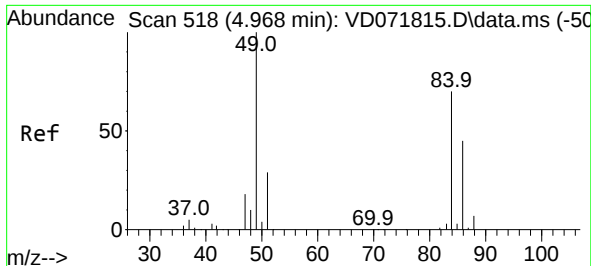
Tgt Ion:168 Resp: 434848
Ion Ratio Lower Upper
168 100
99 64.2 49.8 74.6



#16
Acetone
Concen: 2.106 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

Tgt Ion: 43 Resp: 3169
Ion Ratio Lower Upper
43 100
58 27.4 22.1 33.1

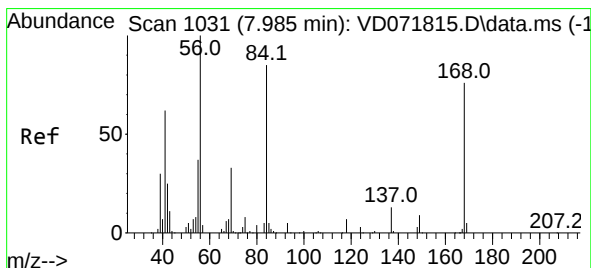
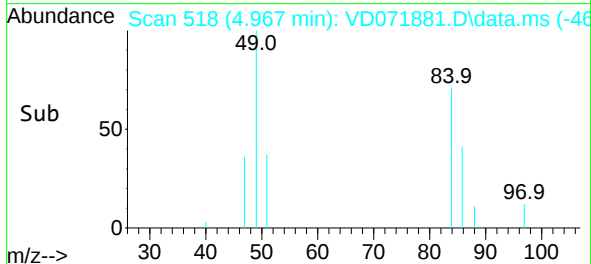
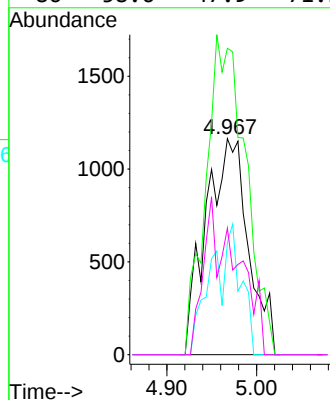
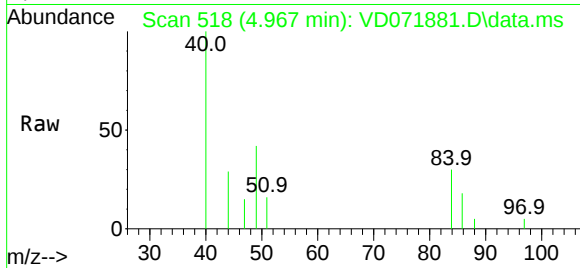




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

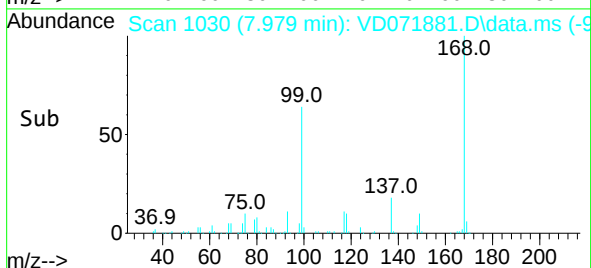
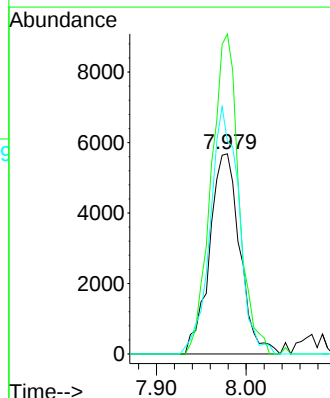
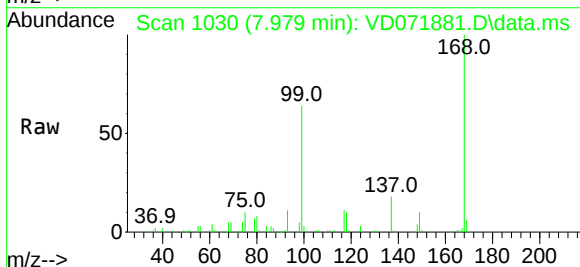
Instrument :
MSVOA_D
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE

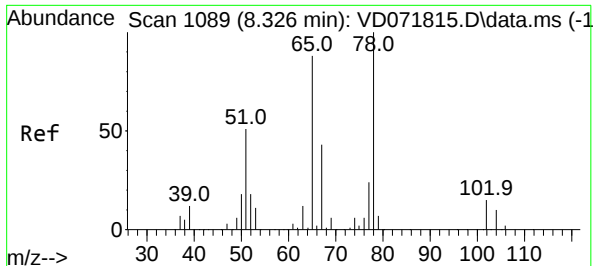
Tgt Ion:	84	Resp:	3828
Ion	Ratio	Lower	Upper
84	100		
49	141.8	112.8	169.2
51	52.0	32.6	48.8#
86	58.6	47.9	71.9



#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

Tgt Ion:	56	Resp:	13332
Ion	Ratio	Lower	Upper
56	100		
69	159.9	25.4	38.2#
84	106.1	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 45.776 ug/l

RT: 8.332 min Scan# 1089

Delta R.T. 0.006 min

Lab File: VD071881.D

Acq: 02 Feb 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

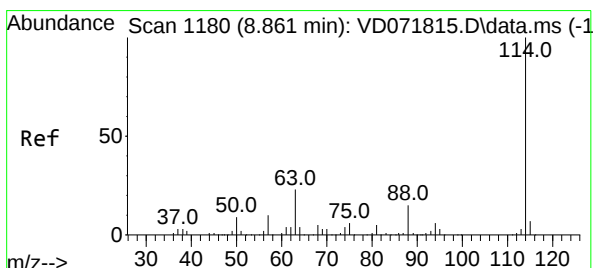
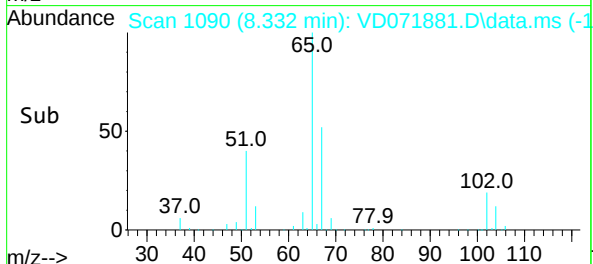
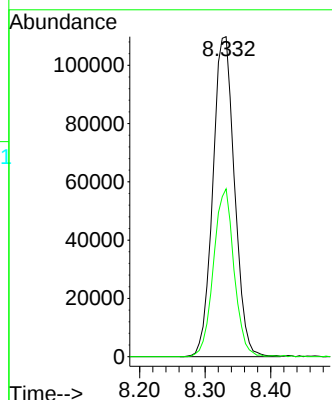
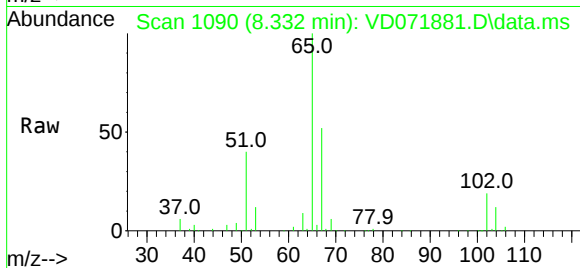
ASTORIA-YARD-PIT-11-STOCKPILE

Tgt Ion: 65 Resp: 251599

Ion Ratio Lower Upper

65 100

67 49.7 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071881.D

Acq: 02 Feb 2022 15:22

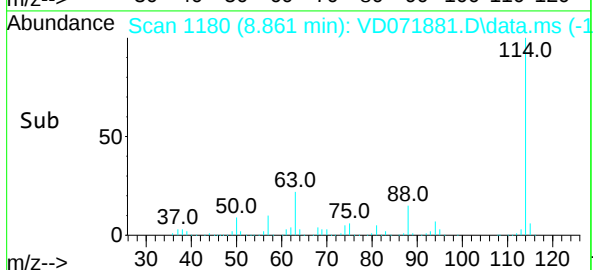
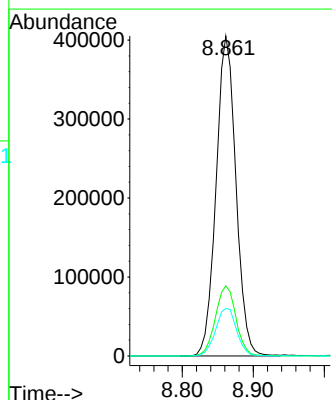
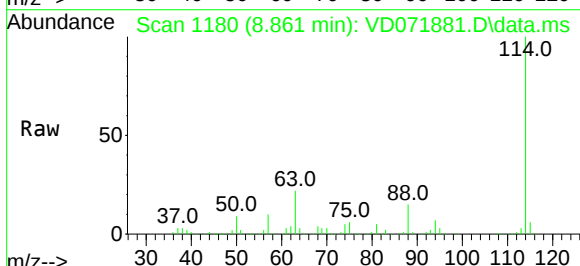
Tgt Ion: 114 Resp: 783415

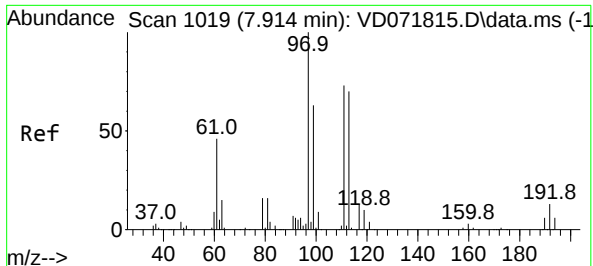
Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.6

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.606 ug/l

RT: 7.914 min Scan# 10

Delta R.T. -0.000 min

Lab File: VD071881.D

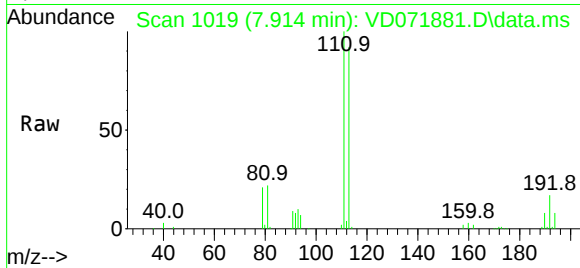
Acq: 02 Feb 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

ASTORIA-YARD-PIT-11-STOCKPILE



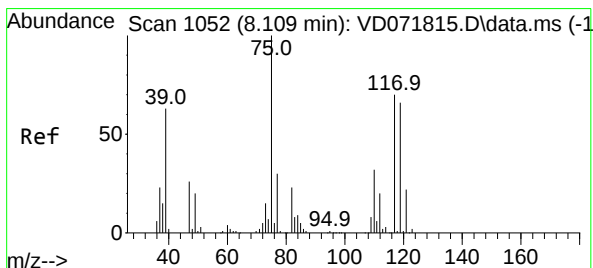
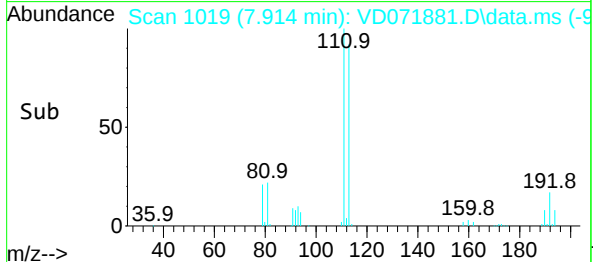
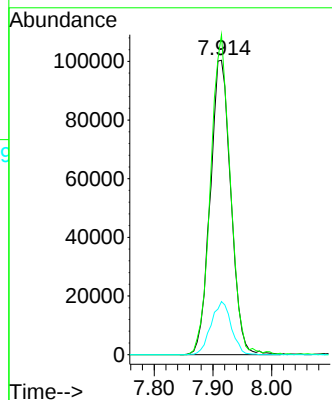
Tgt Ion:113 Resp: 245154

Ion Ratio Lower Upper

113 100

111 103.9 83.8 125.6

192 17.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 4.774 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD071881.D

Acq: 02 Feb 2022 15:22

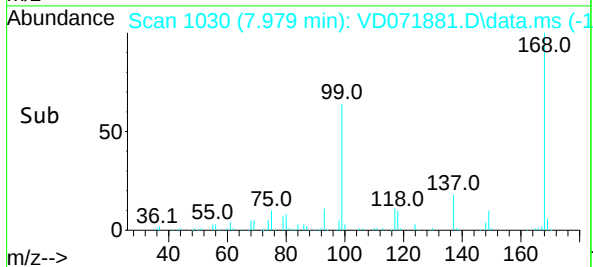
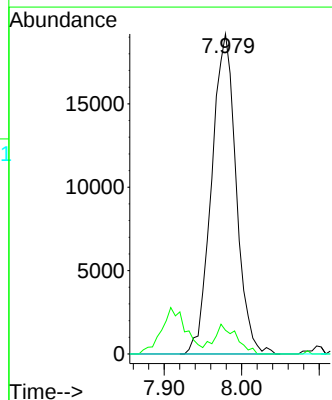
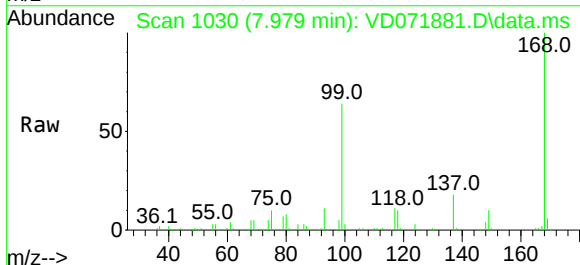
Tgt Ion: 75 Resp: 42193

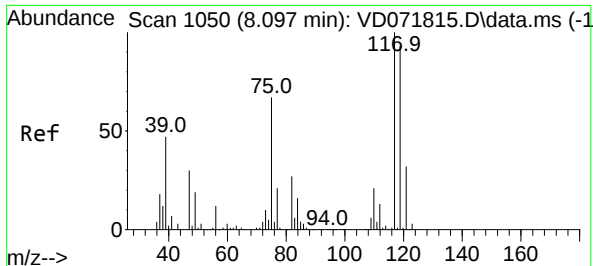
Ion Ratio Lower Upper

75 100

110 8.4 16.4 49.1#

77 0.0 24.2 36.2#

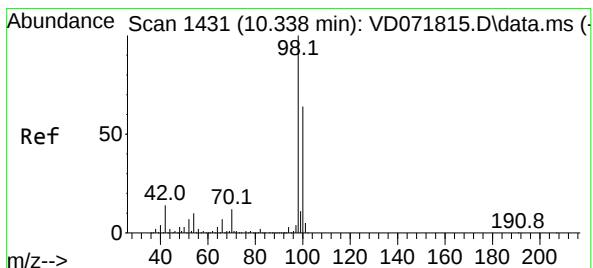
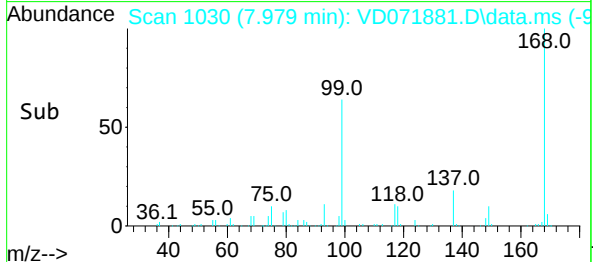
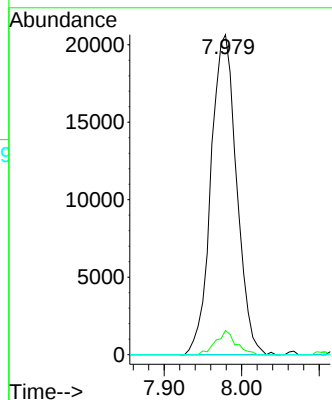
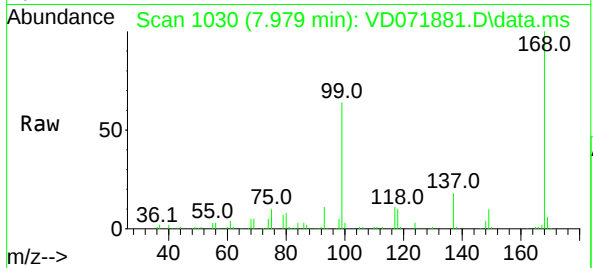




#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

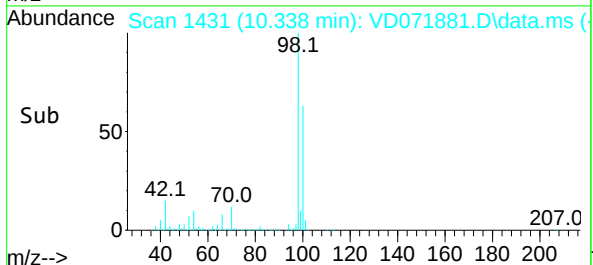
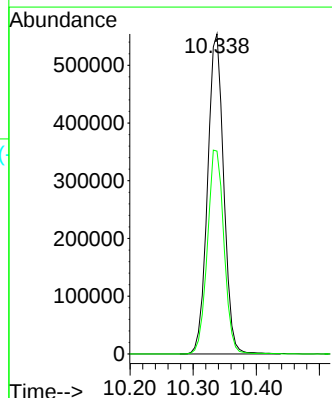
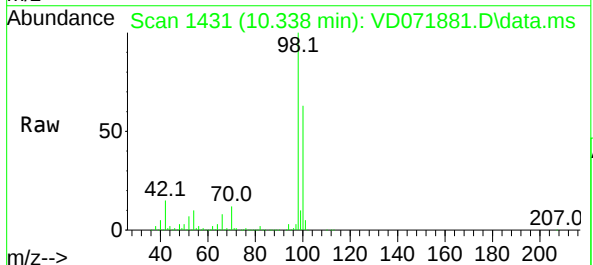
Instrument : MSVOA_D
ClientSampleId : ASTORIA-YARD-PIT-11-STOCKPILE

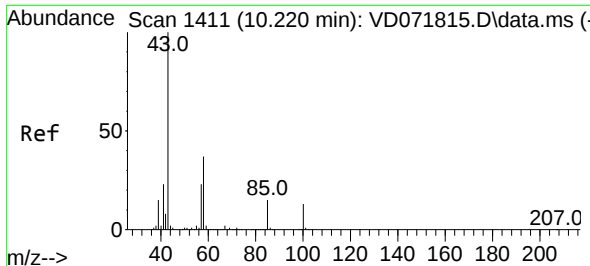
Tgt Ion:117 Resp: 47455
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 50.992 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

Tgt Ion: 98 Resp: 980691
Ion Ratio Lower Upper
98 100
100 65.4 52.4 78.6

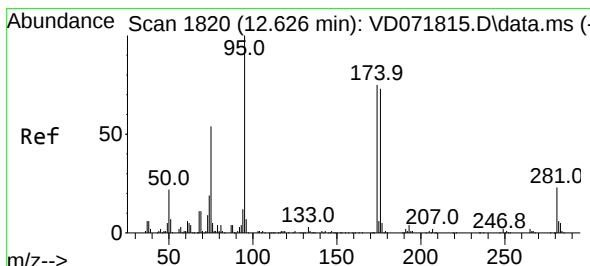
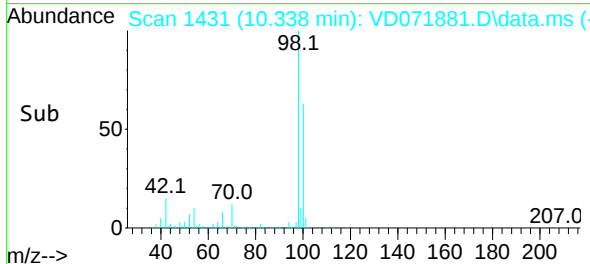
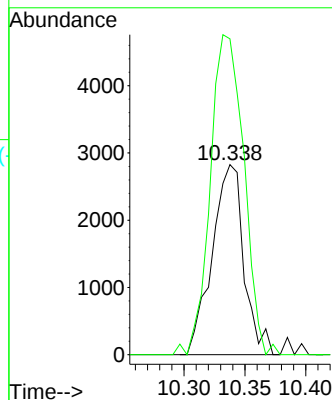
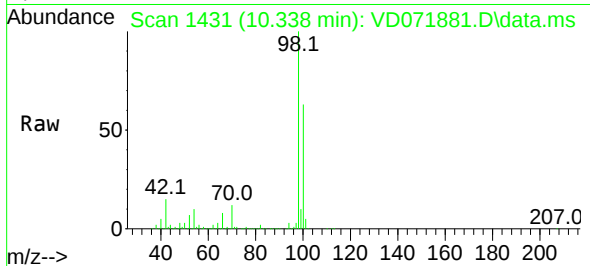




#51
4-Methyl-2-Pentanone
Concen: 1.327 ug/l
RT: 10.338 min Scan# 1411
Delta R.T. 0.112 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

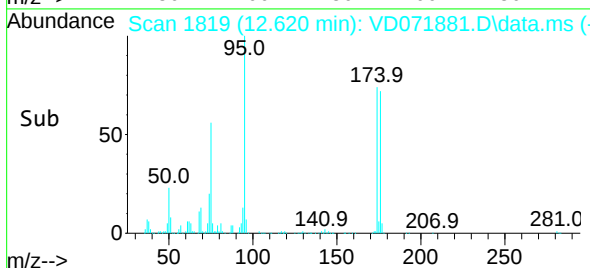
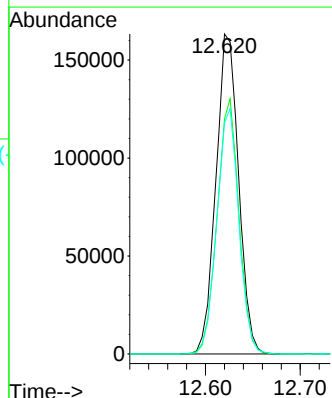
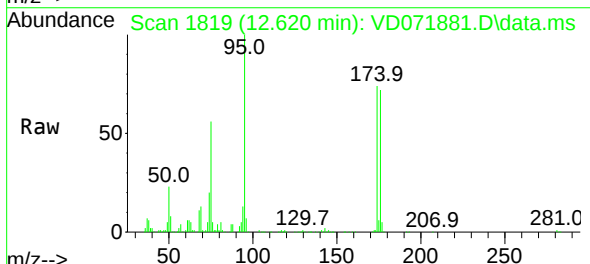
Instrument : MSVOA_D
ClientSampleId : ASTORIA-YARD-PIT-11-STOCKPILE

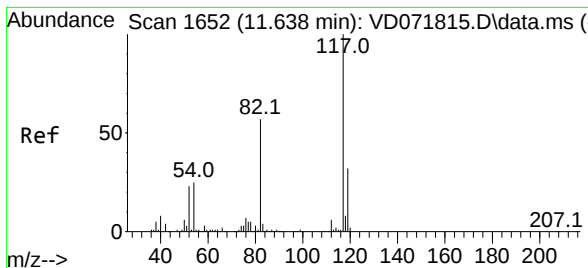
Tgt Ion: 43 Resp: 5128
Ion Ratio Lower Upper
43 100
58 177.7 28.6 43.0#



#62
4-Bromofluorobenzene
Concen: 40.455 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

Tgt Ion: 95 Resp: 271698
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 74.1 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD071881.D

Acq: 02 Feb 2022 15:22

Instrument :

MSVOA_D

ClientSampleId :

ASTORIA-YARD-PIT-11-STOCKPILE

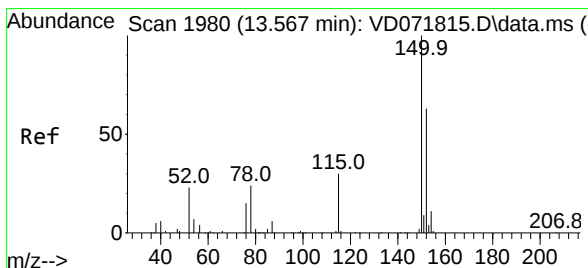
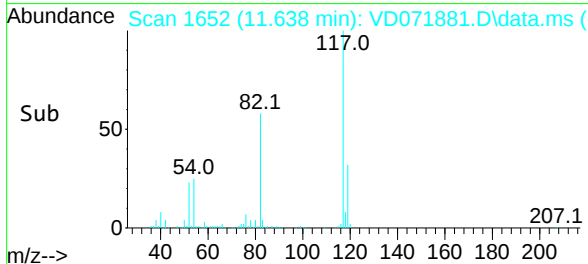
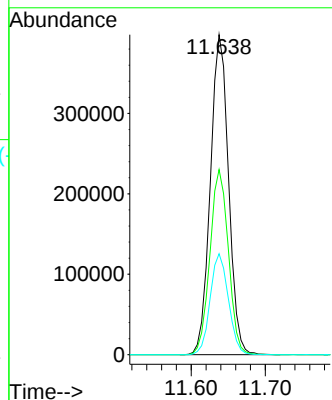
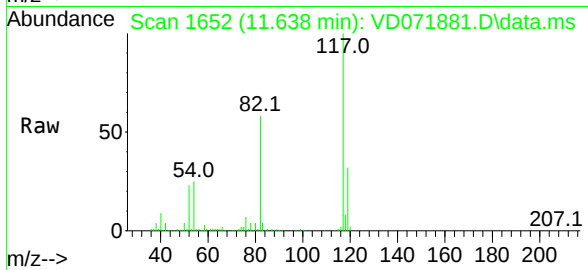
Tgt Ion:117 Resp: 678185

Ion Ratio Lower Upper

117 100

82 57.8 45.3 67.9

119 31.6 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.006 min

Lab File: VD071881.D

Acq: 02 Feb 2022 15:22

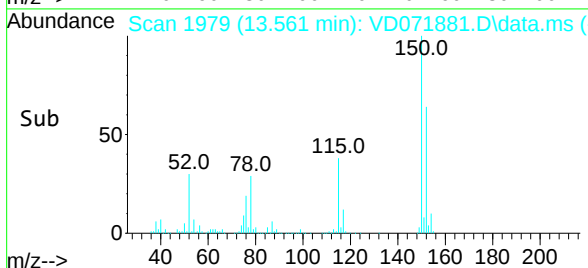
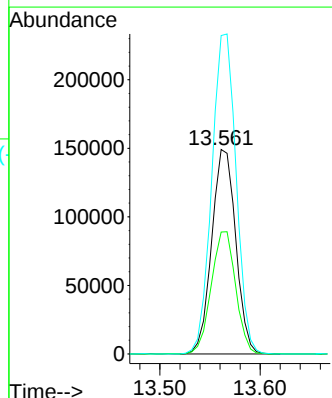
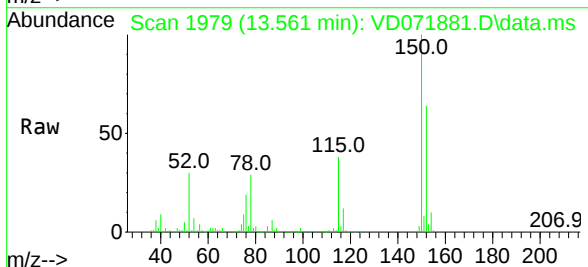
Tgt Ion:152 Resp: 248825

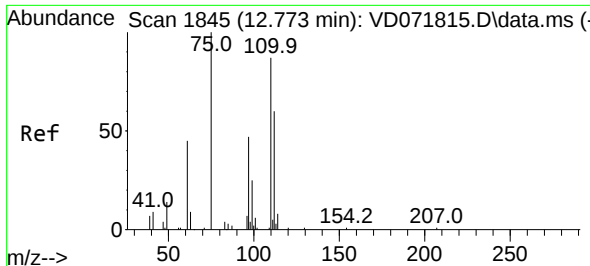
Ion Ratio Lower Upper

152 100

115 60.8 31.3 93.8

150 158.2 0.0 348.6

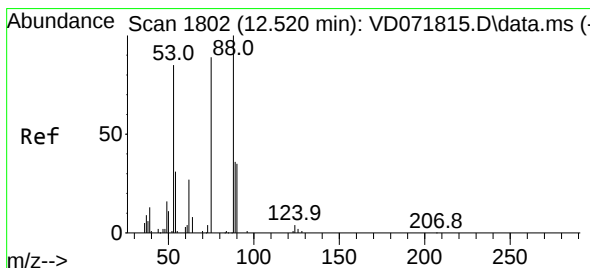
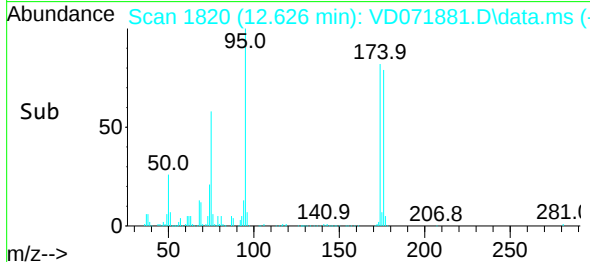
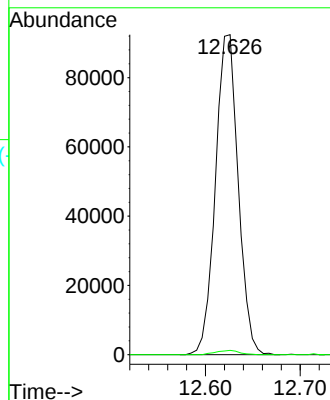
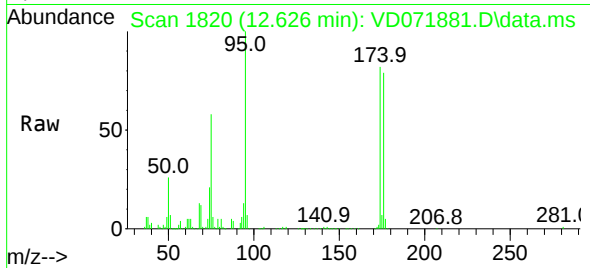




#76
1,2,3-Trichloropropane
Concen: 58.815 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

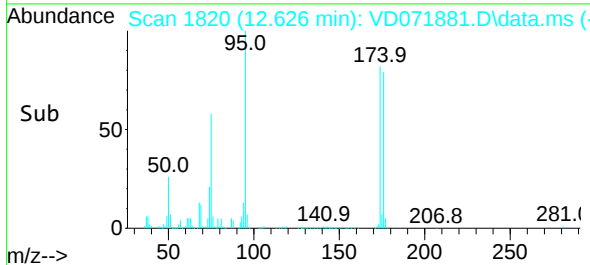
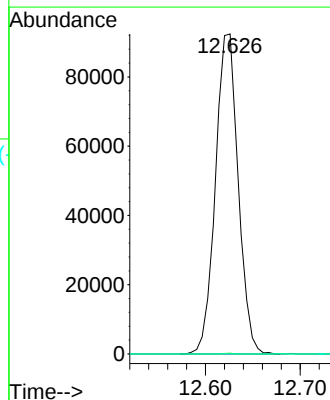
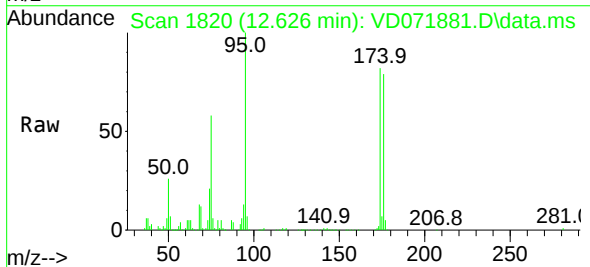
Instrument : MSVOA_D
ClientSampleId : ASTORIA-YARD-PIT-11-STOCKPILE

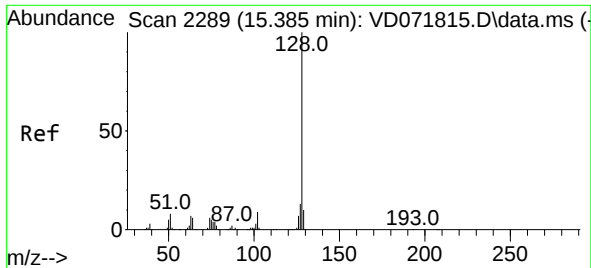
Tgt Ion: 75 Resp: 154231
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 144.613 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

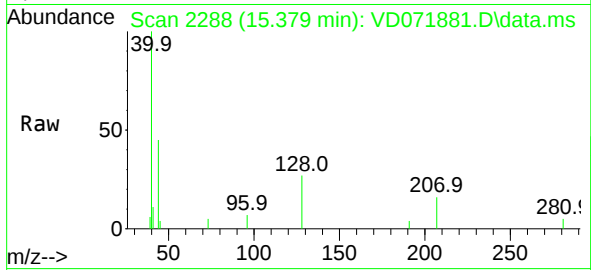
Tgt Ion: 75 Resp: 154231
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 1.677 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD071881.D
Acq: 02 Feb 2022 15:22

Instrument :
MSVOA_D
ClientSampleId :
ASTORIA-YARD-PIT-11-STOCKPILE



Tgt Ion:	128	Resp:	1991
Ion	Ratio	Lower	Upper
128	100		
127	11.2	10.3	15.5
129	13.3	8.4	12.6#

