

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011921\
 Data File : VD068093.D
 Acq On : 19 Jan 2021 16:32
 Operator : VA/SY
 Sample : M1156-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VCP-EXC-SOILRE

Quant Time: Jan 19 16:49:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D011921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 13:19:08 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.985	168	115602	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	207080	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.649	117	217032	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	101671	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	71802	64.93	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.86%
35) Dibromofluoromethane	7.920	113	58866	51.42	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.84%
50) Toluene-d8	10.344	98	264413	57.74	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	115.48%
62) 4-Bromofluorobenzene	12.632	95	107330	65.08	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	130.16%

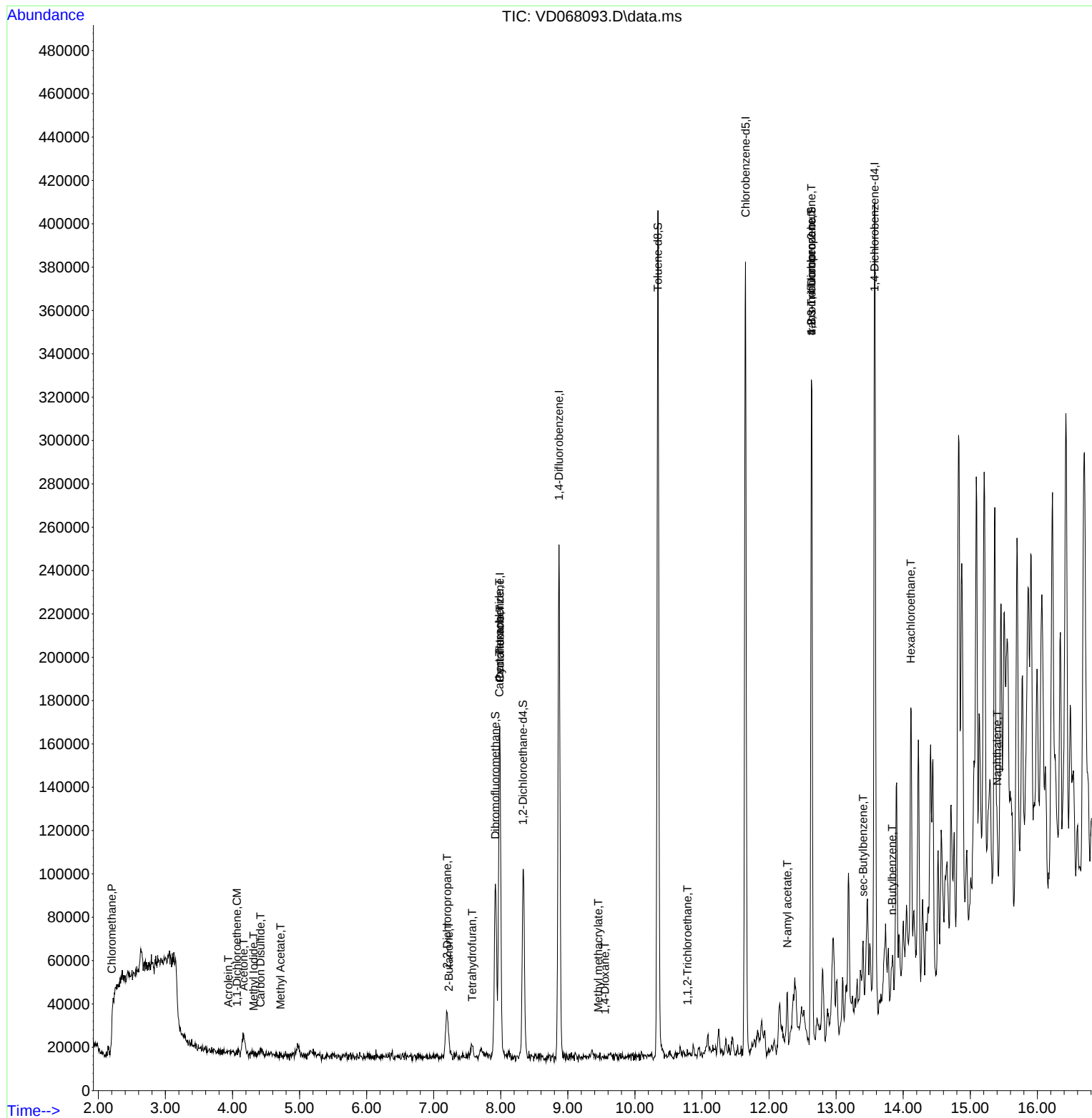
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.203	50	1574	1.06	ug/l #	87
10) Methyl Iodide	4.314	142	532	3.51	ug/l #	52
11) Tert butyl alcohol	5.203	59	781	Below Cal	#	1
12) 1,1-Dichloroethene	4.067	96	1392	1.10	ug/l #	36
13) Acrolein	3.938	56	242	2.78	ug/l #	14
16) Acetone	4.167	43	18718	94.80	ug/l #	88
17) Carbon Disulfide	4.420	76	4541	1.11	ug/l #	74
18) Methyl Acetate	4.714	43	834	1.63	ug/l #	77
20) Methylene Chloride	4.967	84	4853	Below Cal	#	77
25) 2-Butanone	7.226	43	4255	14.31	ug/l #	76
26) 2,2-Dichloropropane	7.203	77	3088	1.35	ug/l	97
29) Tetrahydrofuran	7.573	42	5108	26.50	ug/l #	82
31) Cyclohexane	7.985	56	3811	1.59	ug/l #	12
38) Carbon Tetrachloride	7.979	117	11463	5.86	ug/l #	16
48) Methyl methacrylate	9.455	41	1181	1.54	ug/l #	36
49) 1,4-Dioxane	9.555	88	56	6.60	ug/l #	1
55) 1,1,2-Trichloroethane	10.785	97	1556	1.52	ug/l #	38
74) N-amyl acetate	12.273	43	6062	3.45	ug/l #	48
76) 1,2,3-Trichloropropane	12.632	75	53593	54.52	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	53593	110.32	ug/l #	14
85) sec-Butylbenzene	13.402	105	16526	1.98	ug/l	94
89) n-Butylbenzene	13.838	91	11110	1.52	ug/l	93
90) Hexachloroethane	14.114	117	5736	4.18	ug/l #	10
95) Naphthalene	15.402	128	27632	7.20	ug/l #	93

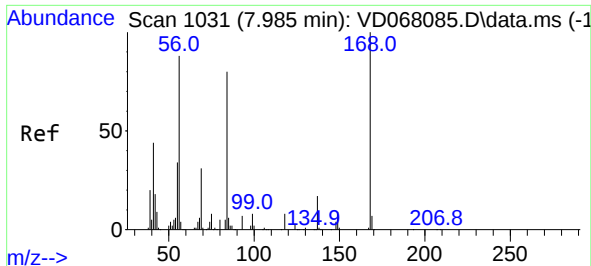
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD068093.D
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ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SW846 8260
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Response via : Initial Calibration

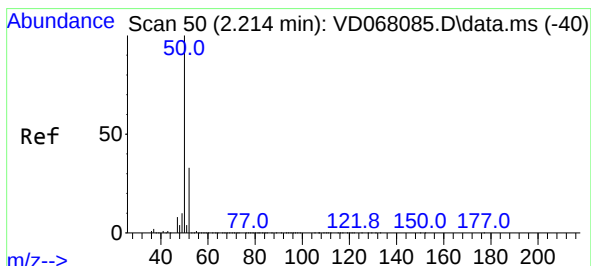
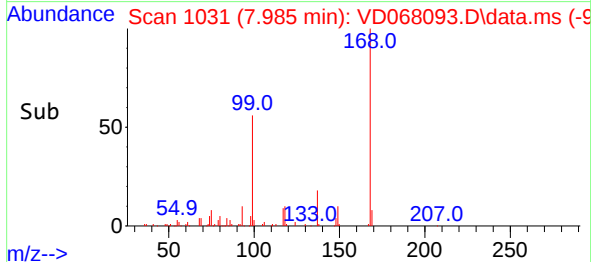
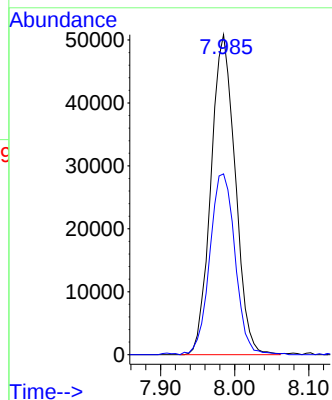
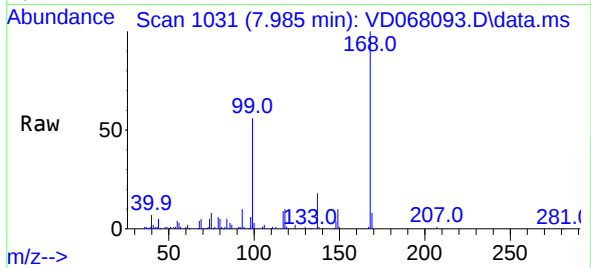




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

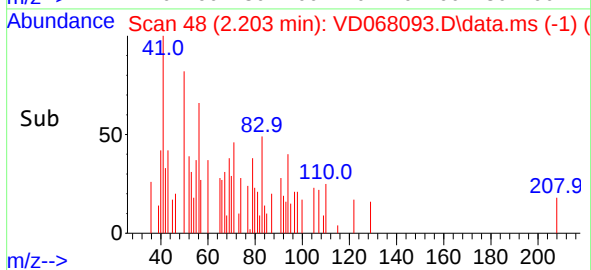
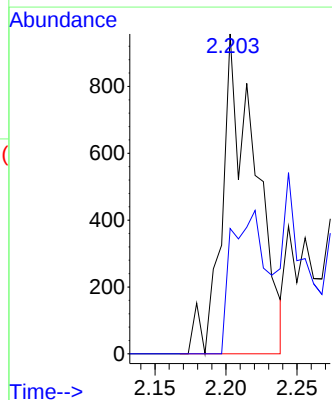
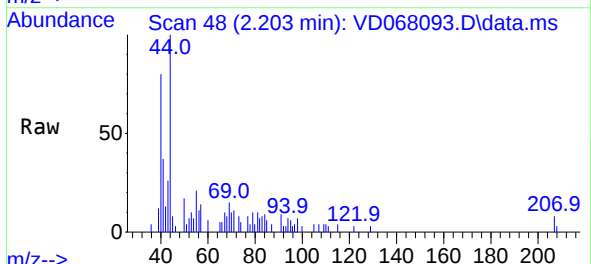
Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

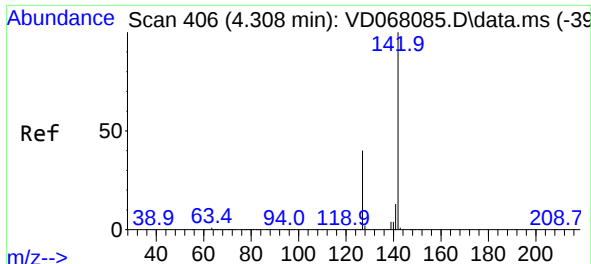
Tgt Ion:168 Resp: 115602
Ion Ratio Lower Upper
168 100
99 56.5 43.5 65.3



#3
Chloromethane
Concen: 1.06 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.011 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

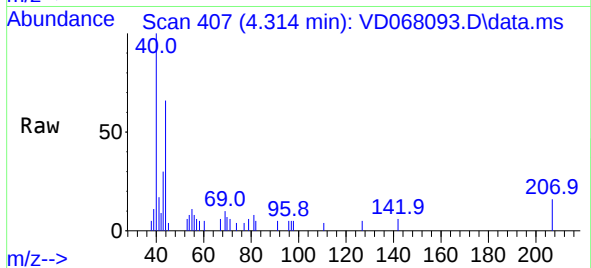
Tgt Ion: 50 Resp: 1574
Ion Ratio Lower Upper
50 100
52 39.2 25.4 38.2#



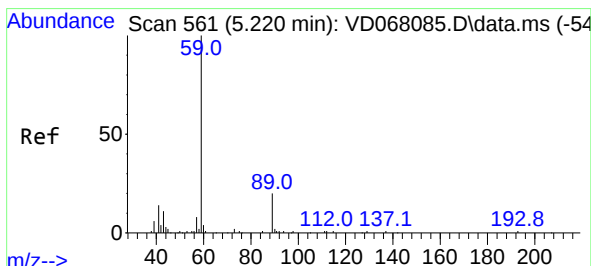
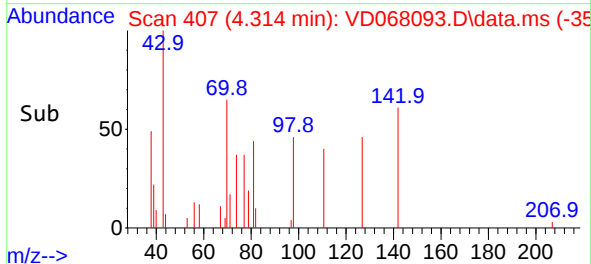
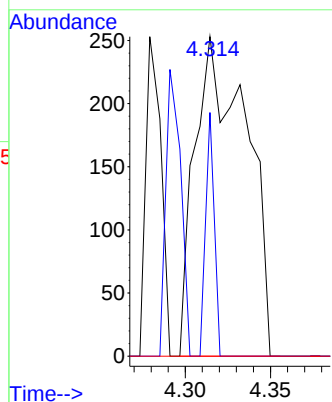


#10
Methyl Iodide
Concen: 3.51 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

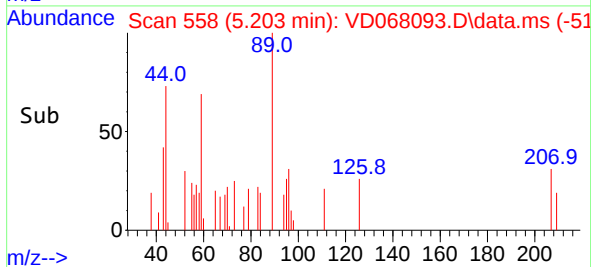
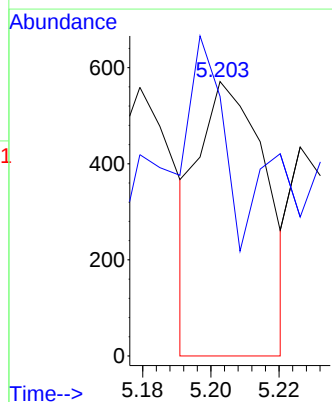
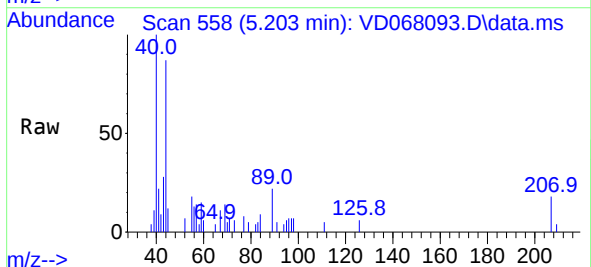


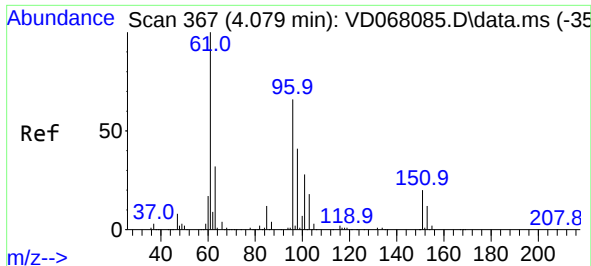
Tgt Ion:142 Resp: 532
Ion Ratio Lower Upper
142 100
127 12.8 37.9 56.9#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.017 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 59 Resp: 781
Ion Ratio Lower Upper
59 100
57 58.9 7.4 11.2#





#12

1,1-Dichloroethene

Concen: 1.10 ug/l

RT: 4.067 min Scan# 365

Delta R.T. -0.012 min

Lab File: VD068093.D

Acq: 19 Jan 2021 16:32

Tgt Ion: 96 Resp: 1392

Ion Ratio Lower Upper

96 100

61 57.0 116.2 174.4#

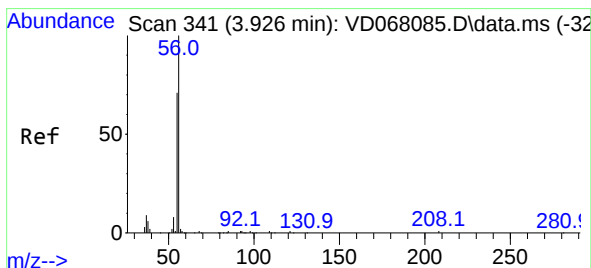
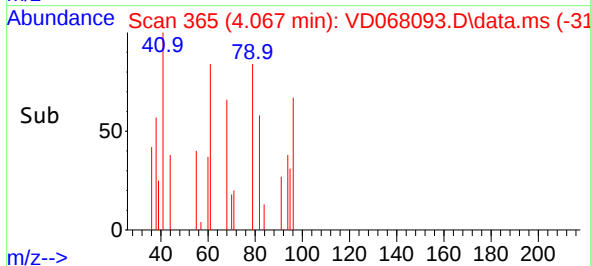
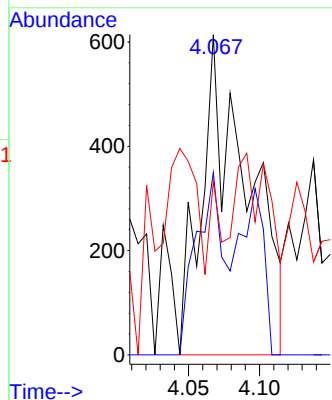
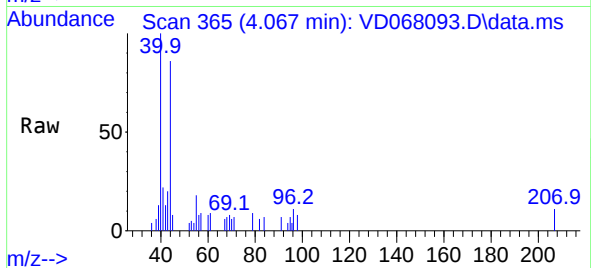
98 25.2 48.6 73.0#

Instrument :

MSVOA_D

ClientSampleId :

VCP-EXC-SOILRE



#13

Acrolein

Concen: 2.78 ug/l

RT: 3.938 min Scan# 343

Delta R.T. 0.012 min

Lab File: VD068093.D

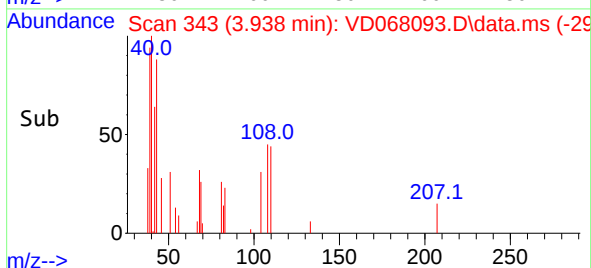
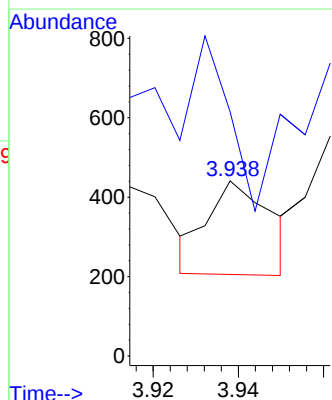
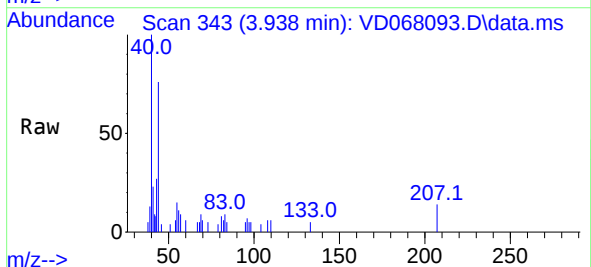
Acq: 19 Jan 2021 16:32

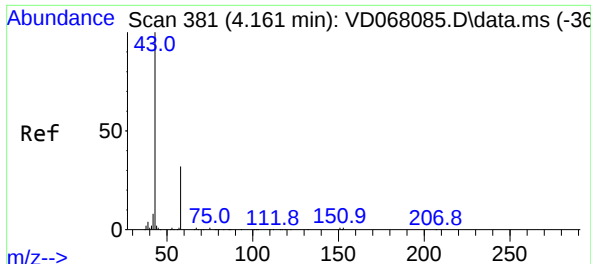
Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#

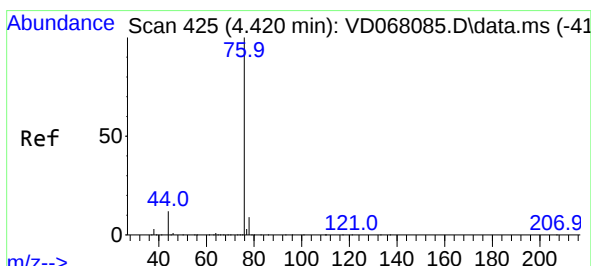
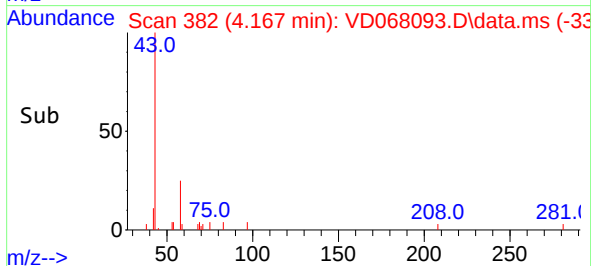
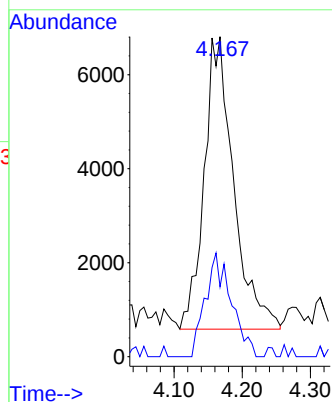
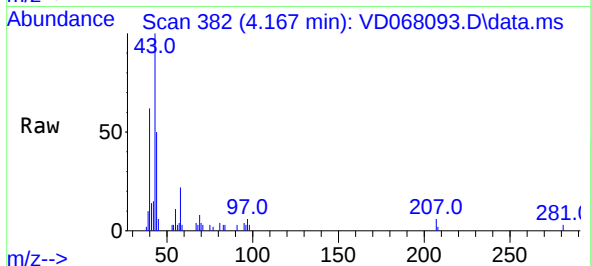




#16
Acetone
Concen: 94.80 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

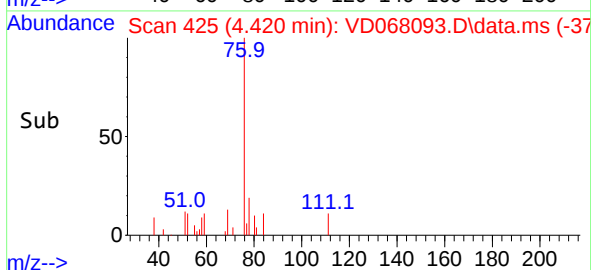
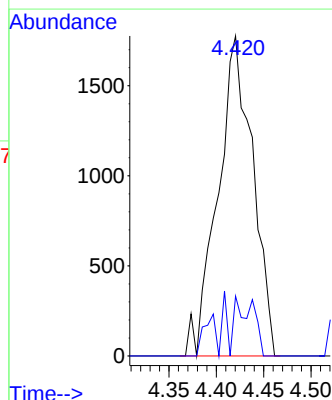
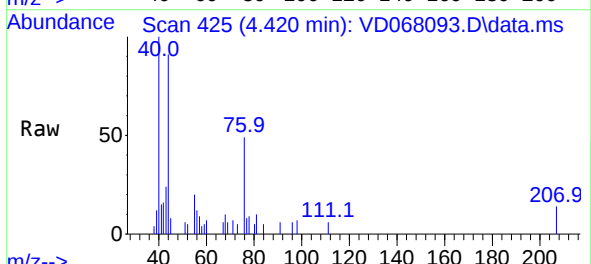
Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

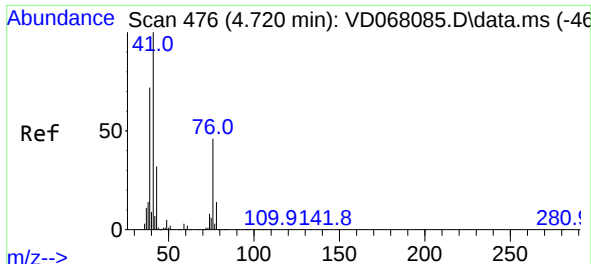
Tgt Ion: 43 Resp: 18718
Ion Ratio Lower Upper
43 100
58 23.9 24.2 36.4#



#17
Carbon Disulfide
Concen: 1.11 ug/l
RT: 4.420 min Scan# 425
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 76 Resp: 4541
Ion Ratio Lower Upper
76 100
78 18.7 7.3 10.9#

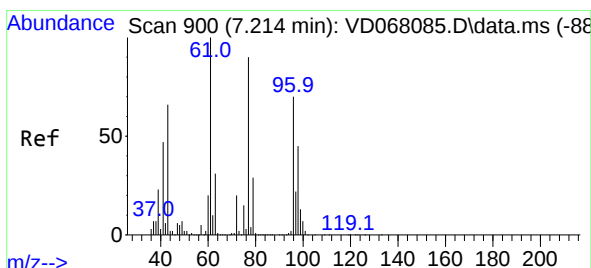
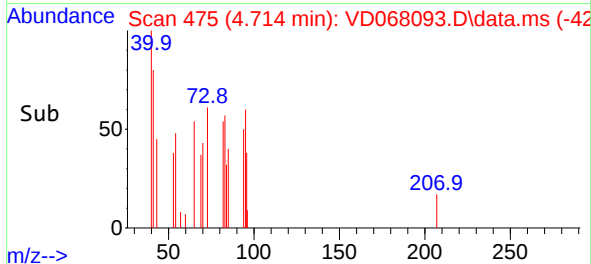
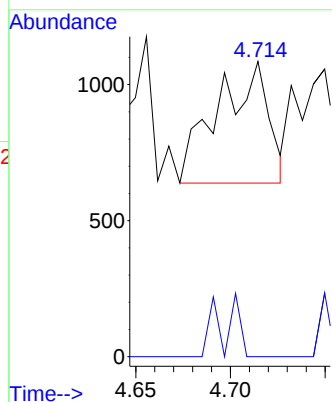
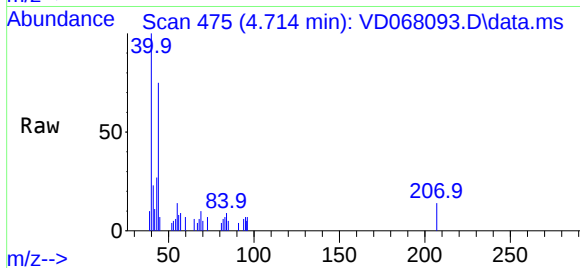




#18
Methyl Acetate
Concen: 1.63 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

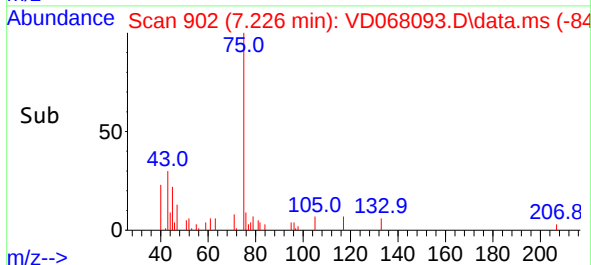
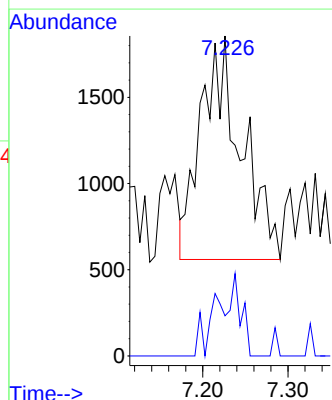
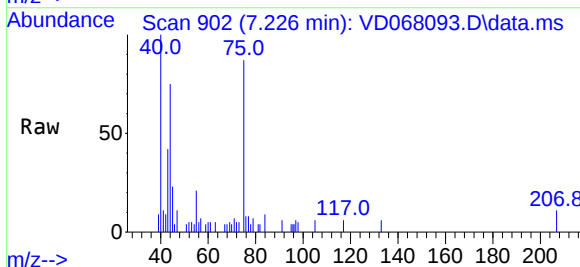
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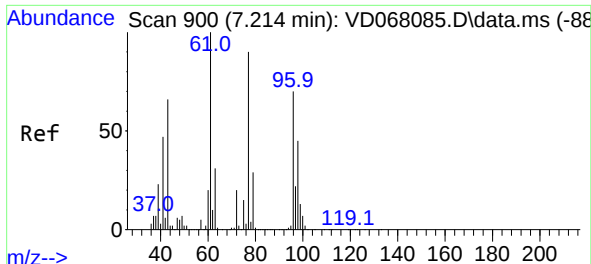
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
74 19.2 25.4 38.0#



#25
2-Butanone
Concen: 14.31 ug/l
RT: 7.226 min Scan# 902
Delta R.T. 0.012 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 43 Resp: 4255
Ion Ratio Lower Upper
43 100
72 18.0 25.1 37.7#

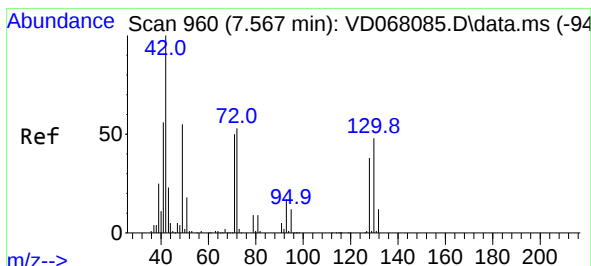
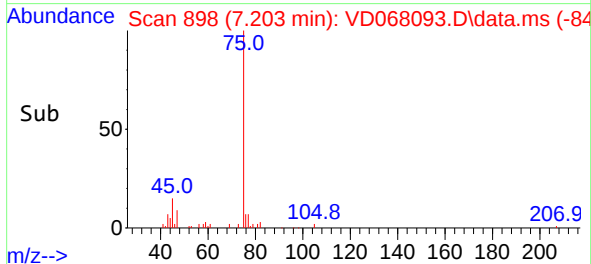
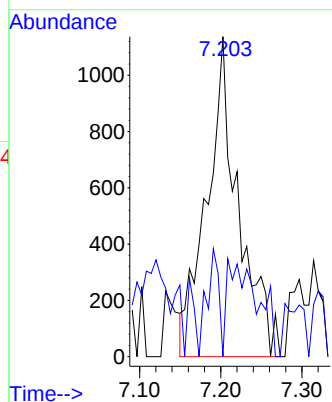
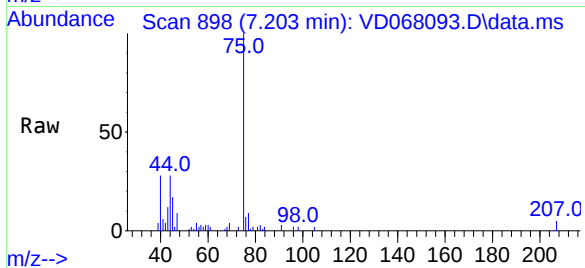




#26
2,2-Dichloropropane
Concen: 1.35 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.012 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

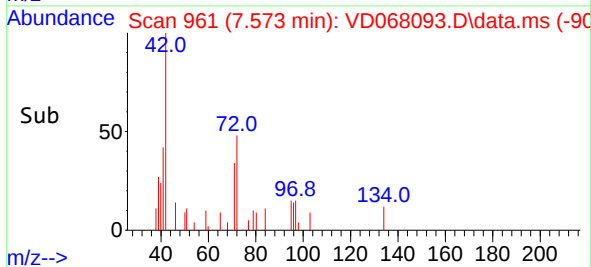
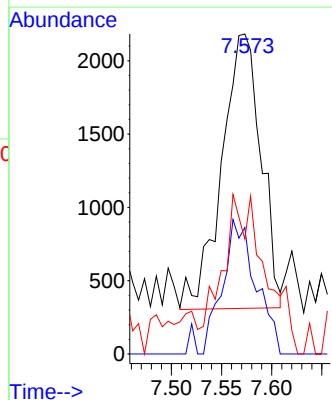
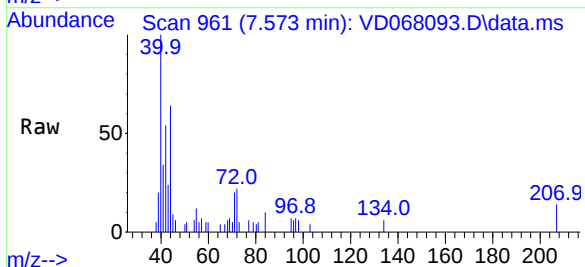
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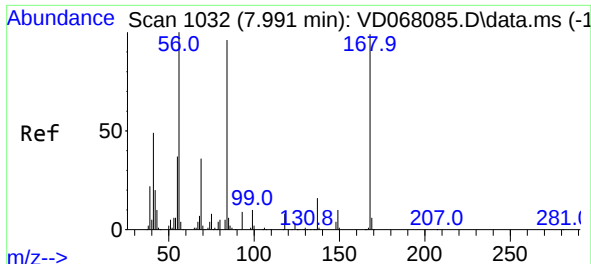
Tgt Ion: 77 Resp: 3088
Ion Ratio Lower Upper
77 100
97 21.9 11.7 35.1



#29
Tetrahydrofuran
Concen: 26.50 ug/l
RT: 7.573 min Scan# 961
Delta R.T. 0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 42 Resp: 5108
Ion Ratio Lower Upper
42 100
72 41.6 43.4 65.0#
71 63.9 40.8 61.2#

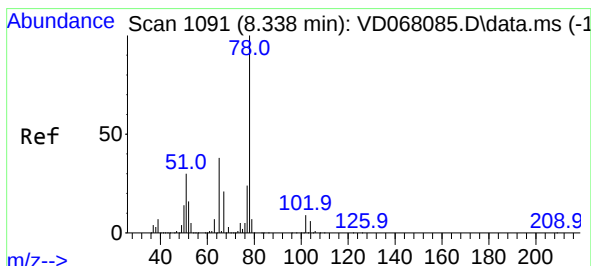
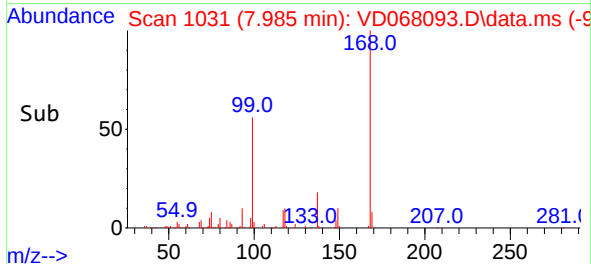
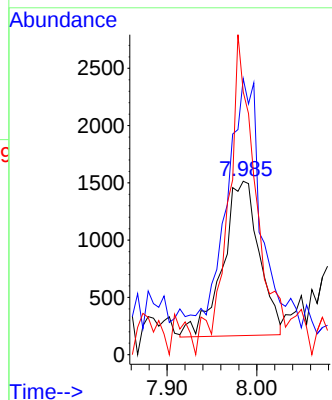
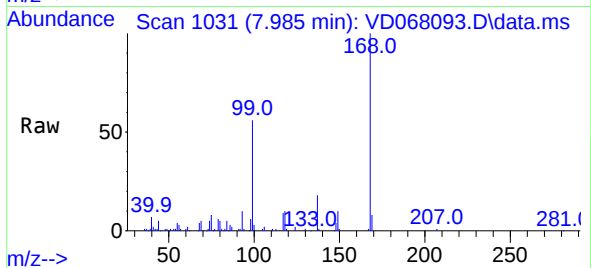




#31
Cyclohexane
Concen: 1.59 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

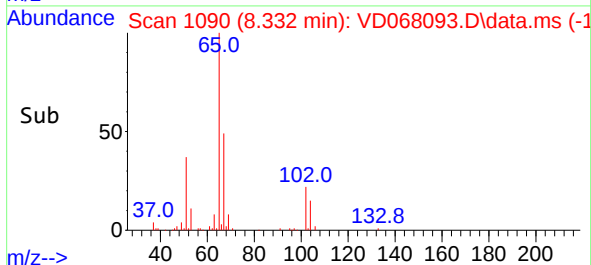
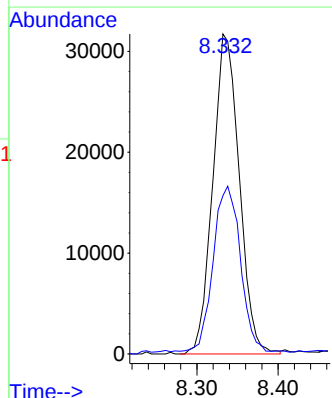
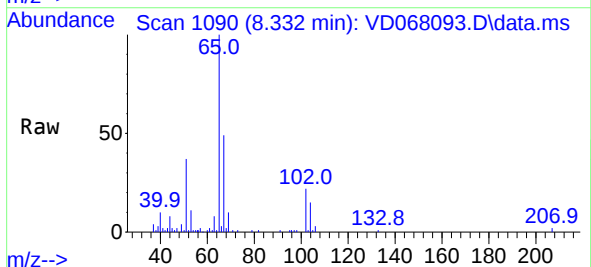
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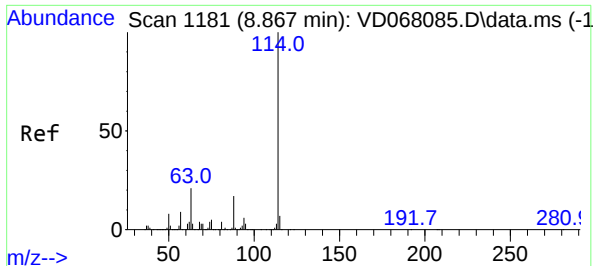
Tgt Ion: 56 Resp: 3811
Ion Ratio Lower Upper
56 100
69 150.2 30.1 45.1#
84 154.6 82.1 123.1#



#33
1,2-Dichloroethane-d4
Concen: 64.93 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 65 Resp: 71802
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.0

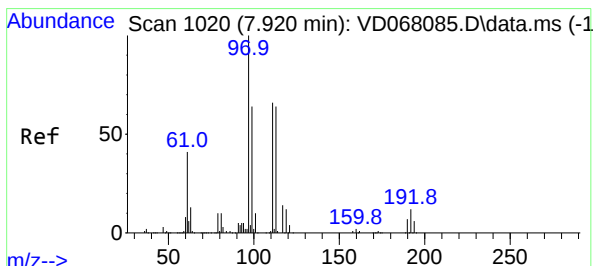
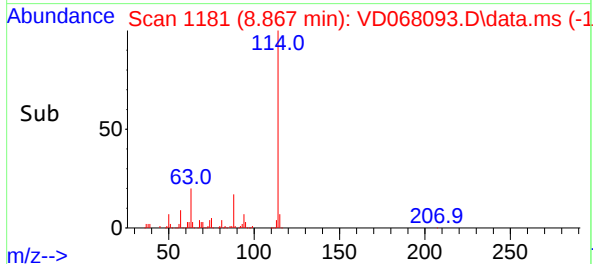
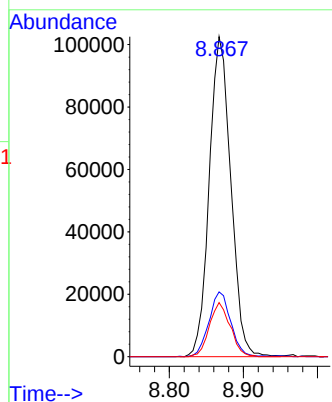
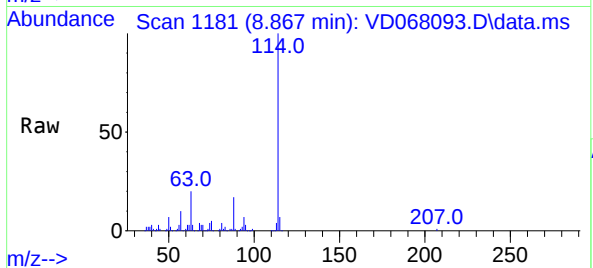




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

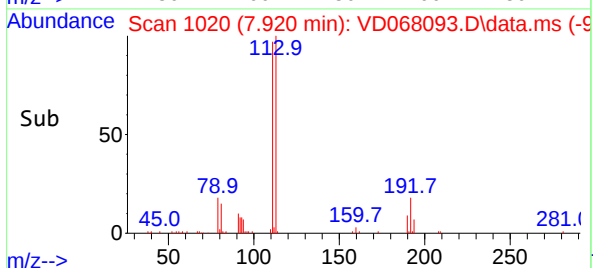
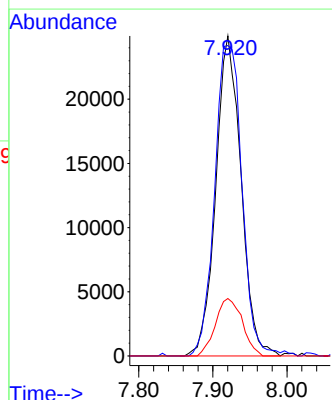
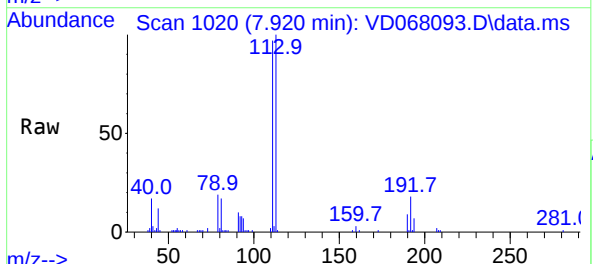
Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

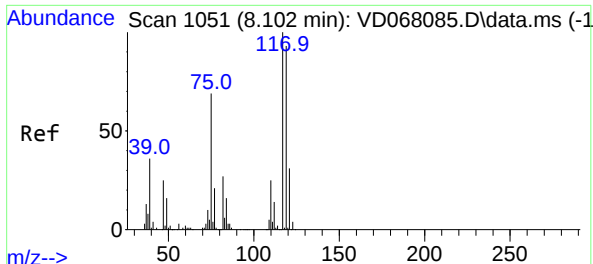
Tgt Ion:114 Resp: 207080
Ion Ratio Lower Upper
114 100
63 20.1 0.0 34.8
88 16.9 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.42 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion:113 Resp: 58866
Ion Ratio Lower Upper
113 100
111 105.7 81.4 122.0
192 19.1 16.1 24.1

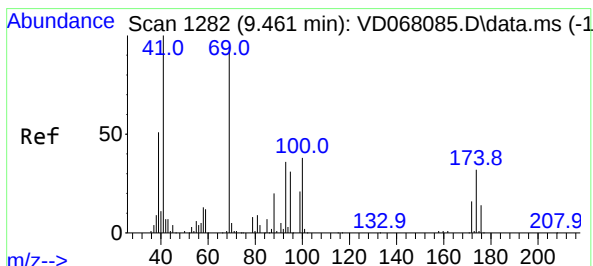
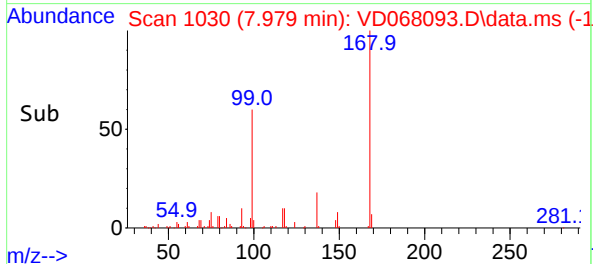
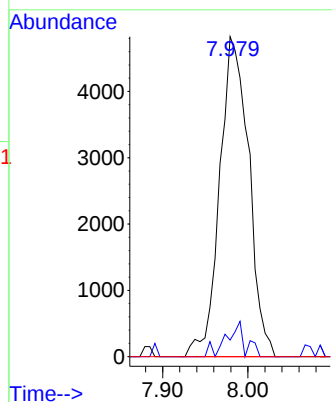
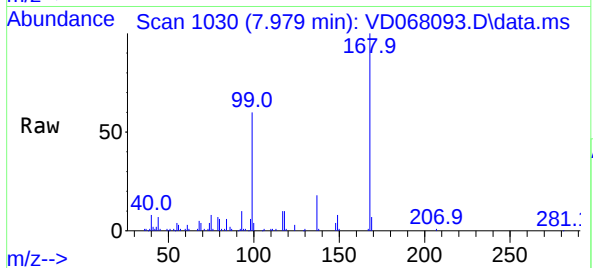




#38
Carbon Tetrachloride
Concen: 5.86 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

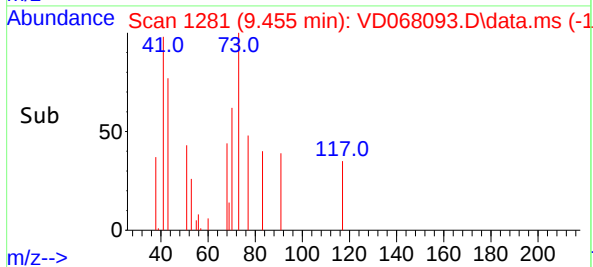
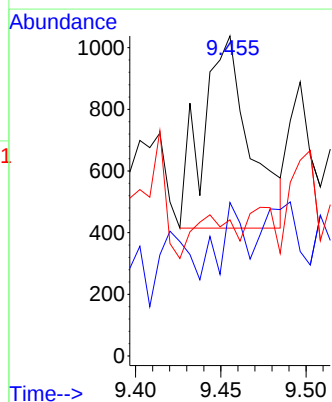
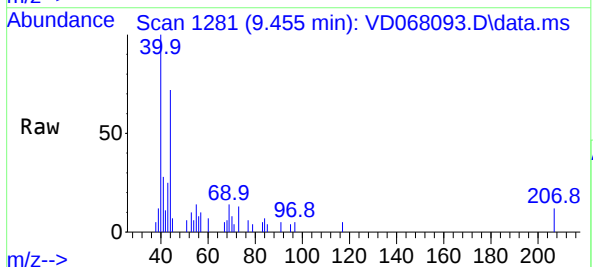
Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

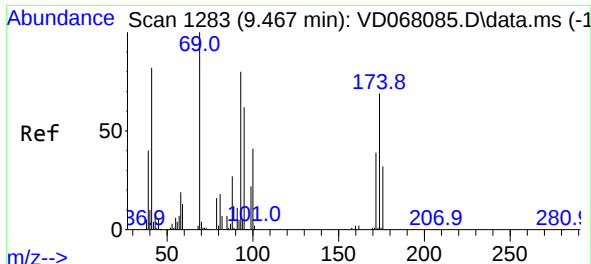
Tgt Ion:117 Resp: 11463
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.7 37.1#



#48
Methyl methacrylate
Concen: 1.54 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. -0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 41 Resp: 1181
Ion Ratio Lower Upper
41 100
69 24.7 77.1 115.7#
39 18.9 41.5 62.3#

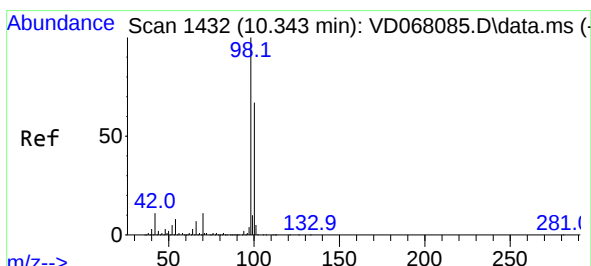
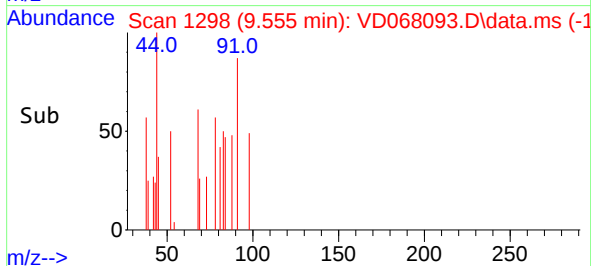
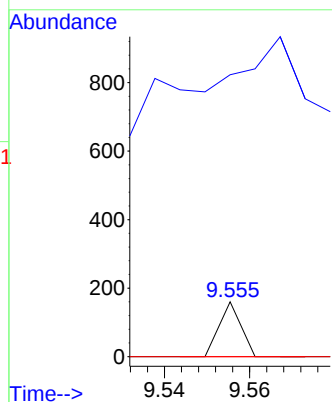
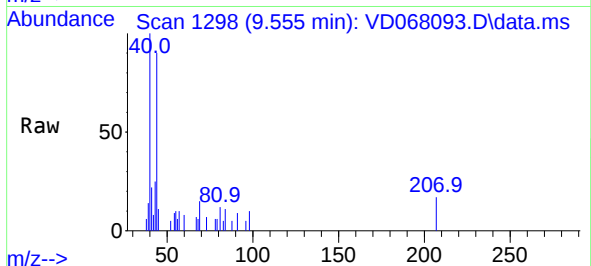




#49
1,4-Dioxane
Concen: 6.60 ug/l
RT: 9.555 min Scan# 1298
Delta R.T. 0.088 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

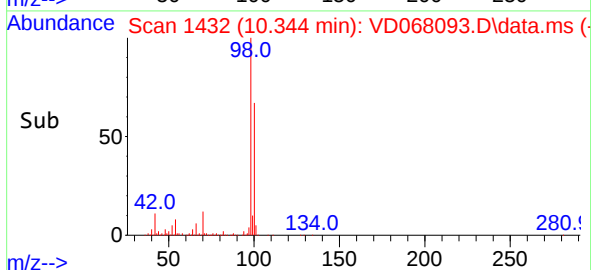
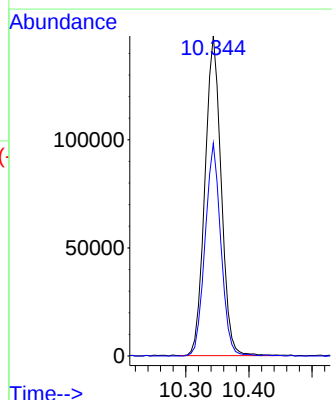
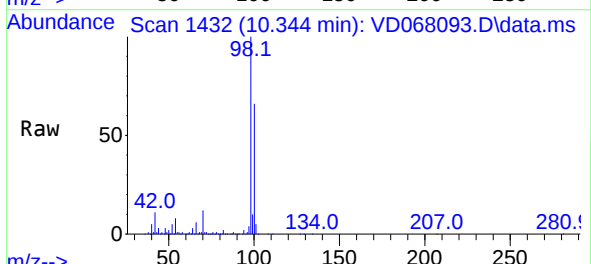
Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

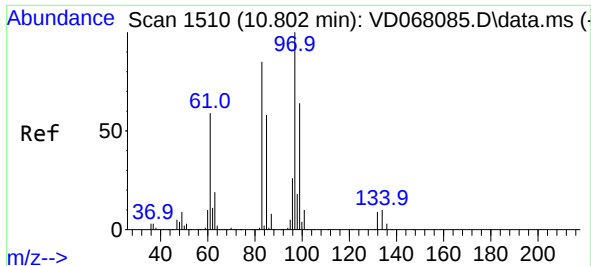
Tgt Ion: 88 Resp: 56
Ion Ratio Lower Upper
88 100
43 669.6 22.1 33.1#
58 0.0 46.7 70.1#



#50
Toluene-d8
Concen: 57.74 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 98 Resp: 264413
Ion Ratio Lower Upper
98 100
100 64.6 53.0 79.4



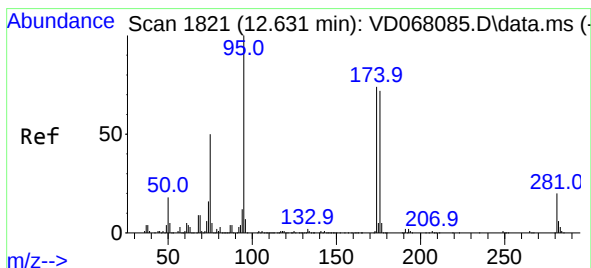
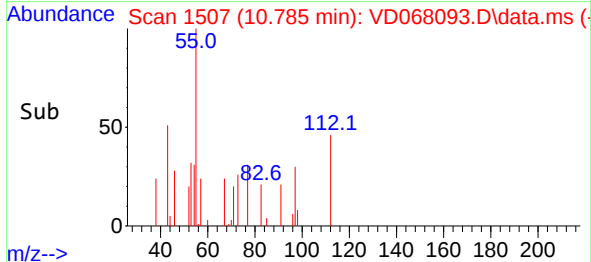
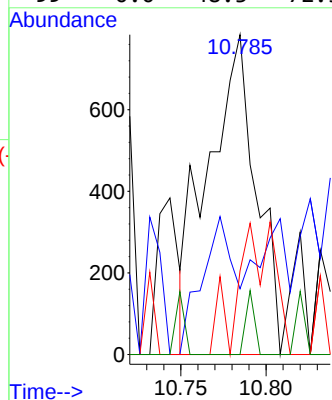
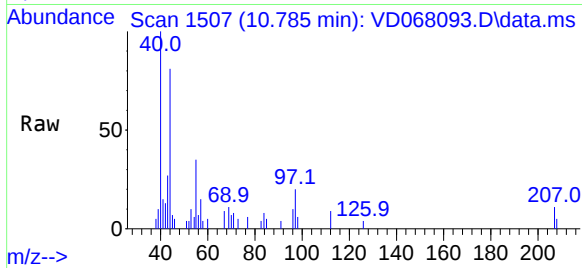


#55
1,1,2-Trichloroethane
Concen: 1.52 ug/l
RT: 10.785 min Scan# 1507
Delta R.T. -0.017 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

Tgt Ion: 97 Resp: 1556

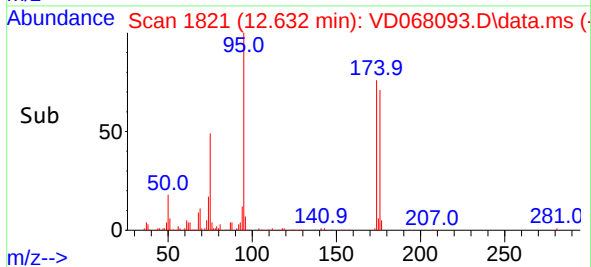
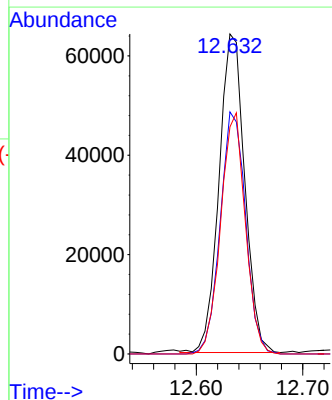
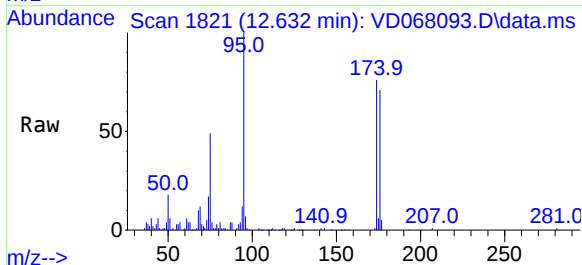
Ion	Ratio	Lower	Upper
97	100		
83	20.5	61.8	92.6#
85	26.1	42.2	63.2#
99	0.0	48.3	72.5#

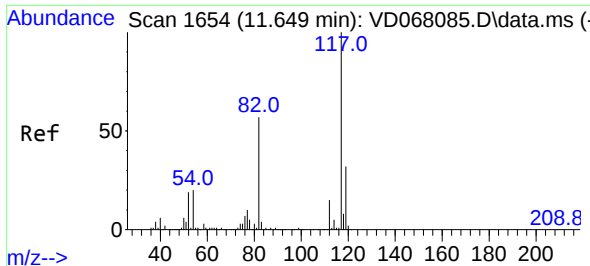


#62
4-Bromofluorobenzene
Concen: 65.08 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 95 Resp: 107330

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	172.4
176	72.6	0.0	168.4

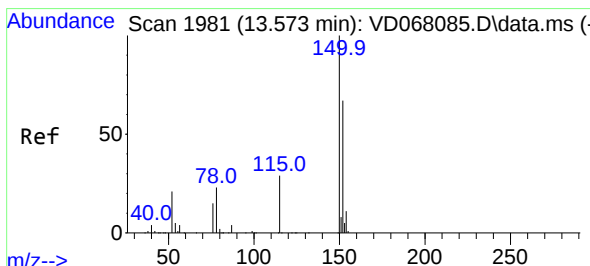
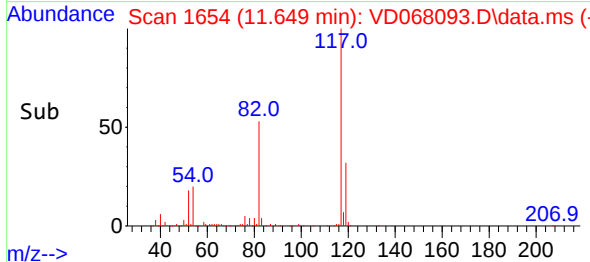
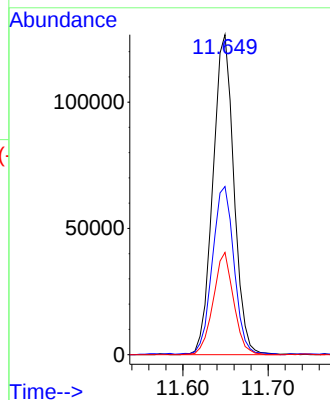
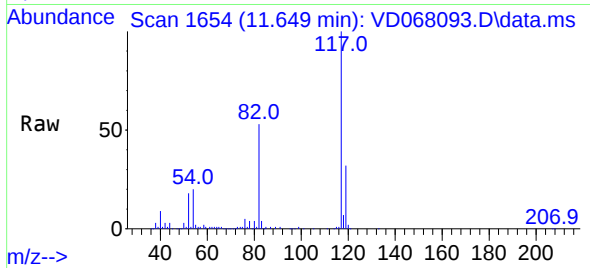




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.649 min Scan# 1654
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

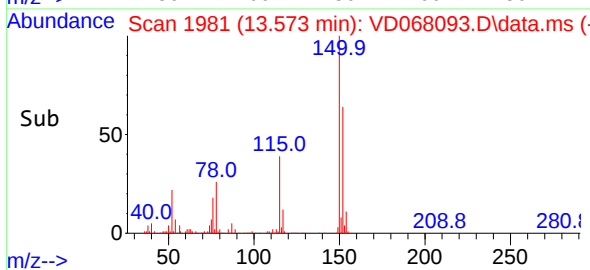
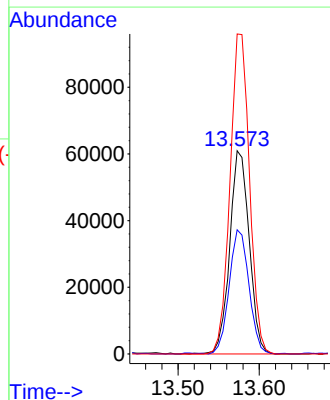
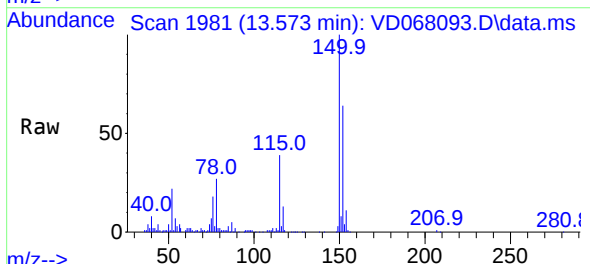
Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

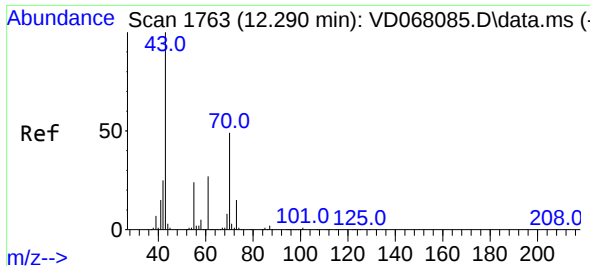
Tgt Ion:	117	Resp:	217032
Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.0
119	32.0	26.1	39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion:	152	Resp:	101671
Ion	Ratio	Lower	Upper
152	100		
115	61.9	28.9	86.8
150	157.2	0.0	344.4

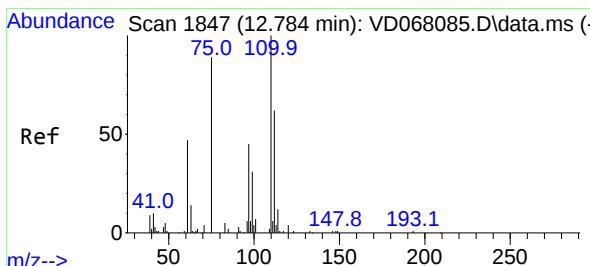
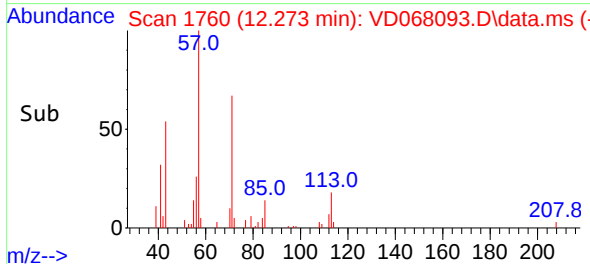
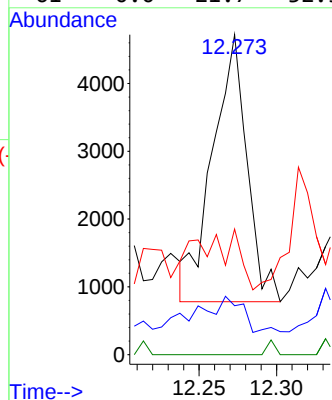
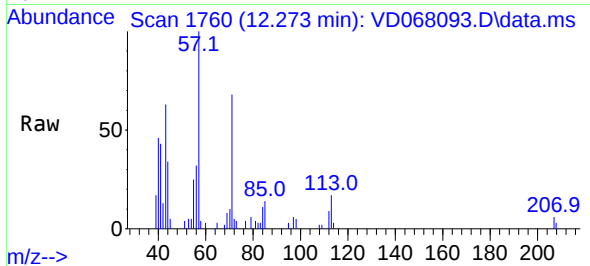




#74
N-amy1 acetate
Concen: 3.45 ug/l
RT: 12.273 min Scan# 1760
Delta R.T. -0.017 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

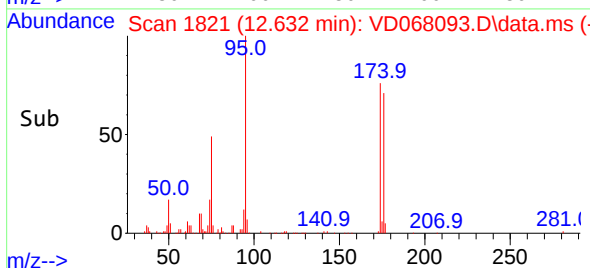
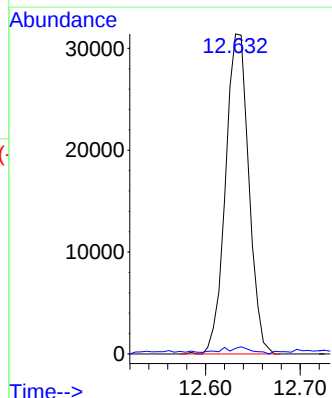
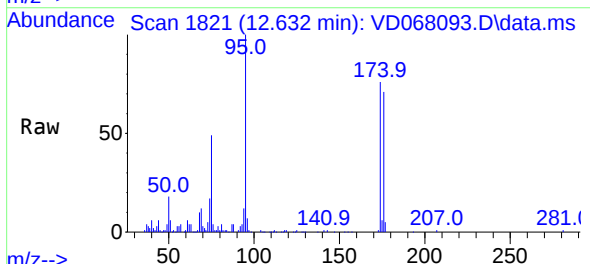
Instrument :
MSVOA_D
ClientSampleId :
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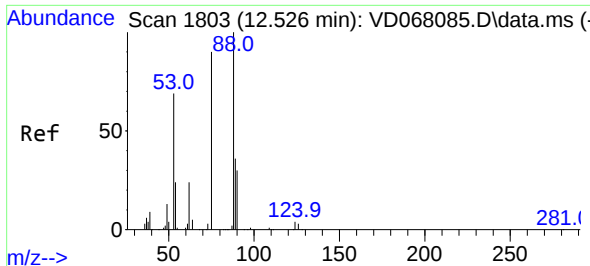
Tgt Ion:	43	Resp:	6062
Ion	Ratio	Lower	Upper
43	100		
70	17.5	41.8	62.8#
55	0.0	24.2	36.4#
61	0.0	21.7	32.5#



#76
1,2,3-Trichloropropane
Concen: 54.52 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.153 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion:	75	Resp:	53593
Ion	Ratio	Lower	Upper
75	100		
77	2.7	0.0	0.0#

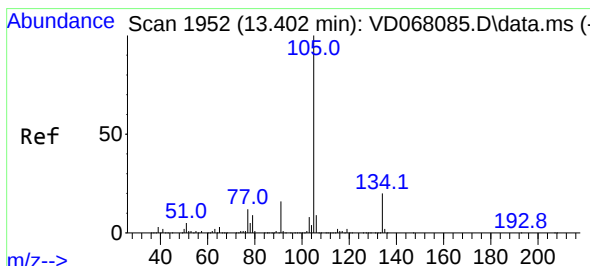
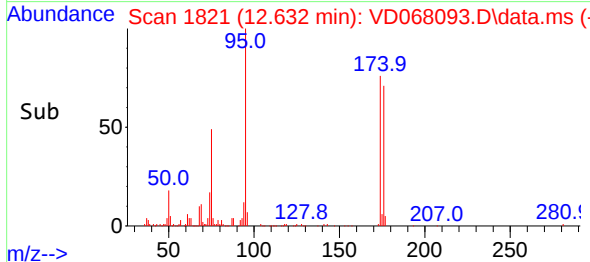
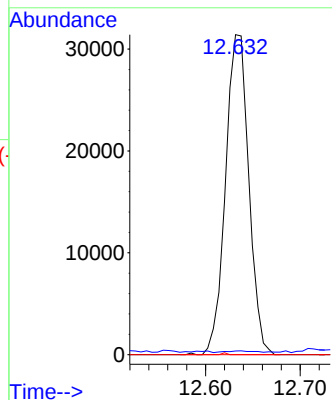
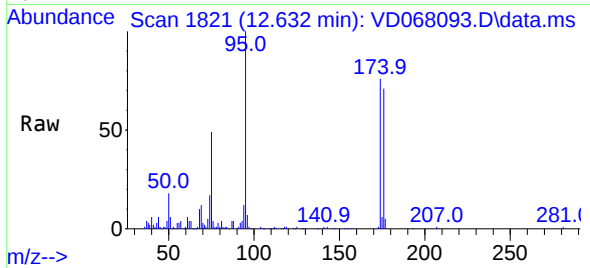




#81
trans-1,4-Dichloro-2-butene
Concen: 110.32 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

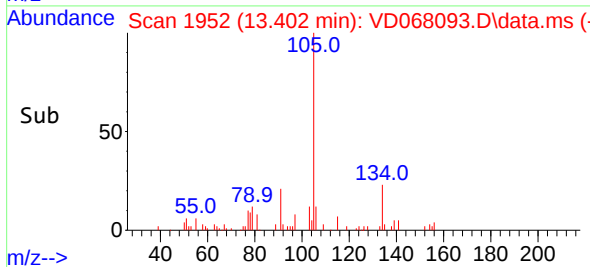
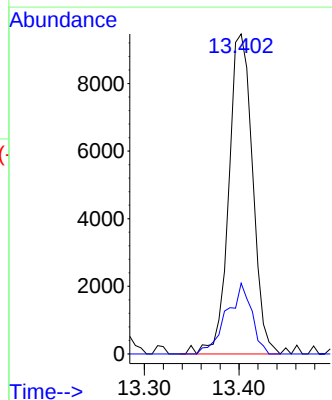
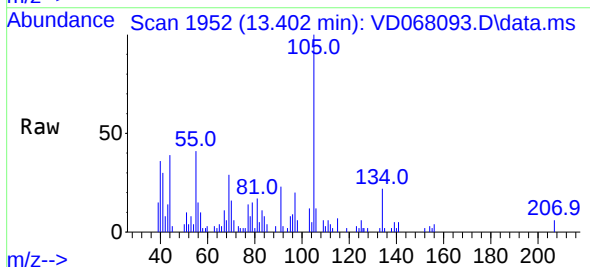
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MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

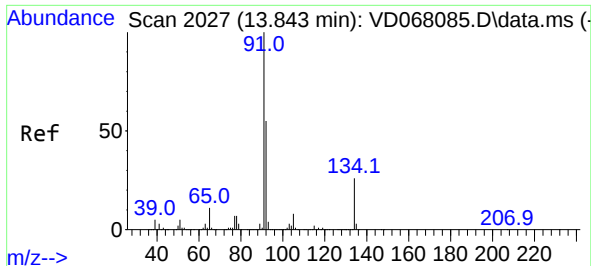
Tgt Ion: 75 Resp: 53593
Ion Ratio Lower Upper
75 100
53 0.4 70.2 105.2#
89 0.1 40.3 60.5#



#85
sec-Butylbenzene
Concen: 1.98 ug/l
RT: 13.402 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion:105 Resp: 16526
Ion Ratio Lower Upper
105 100
134 23.3 10.3 30.9

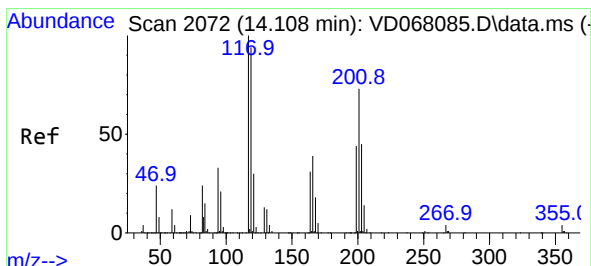
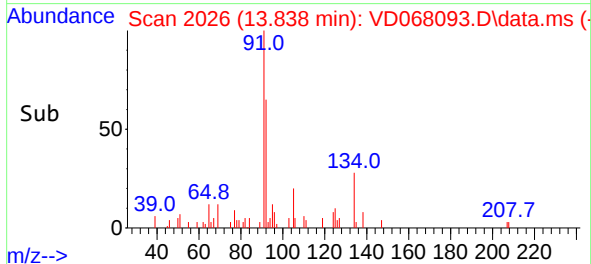
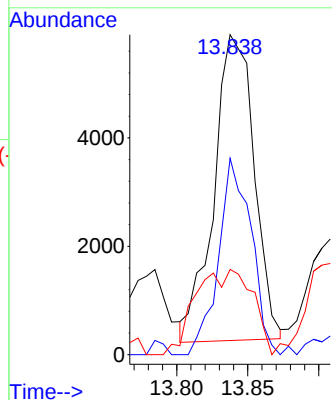
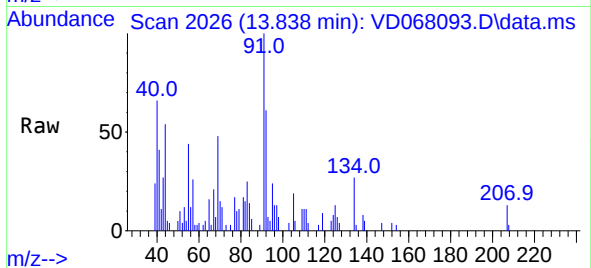




#89
n-Butylbenzene
Concen: 1.52 ug/l
RT: 13.838 min Scan# 2026
Delta R.T. -0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

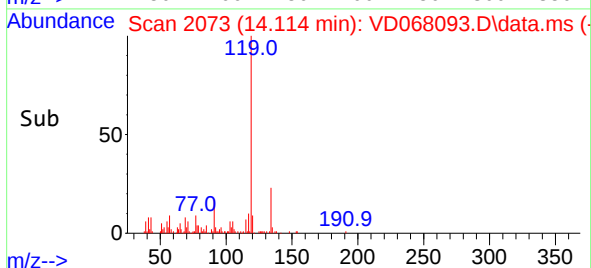
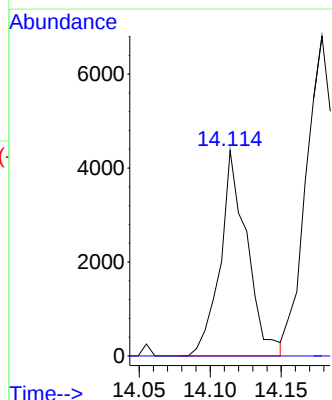
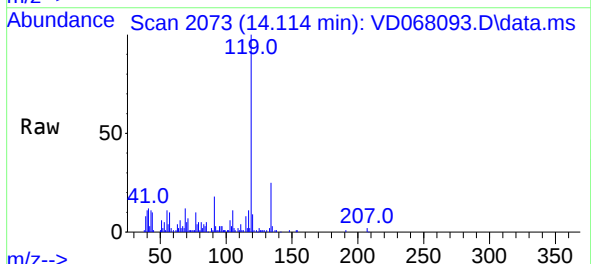
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MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

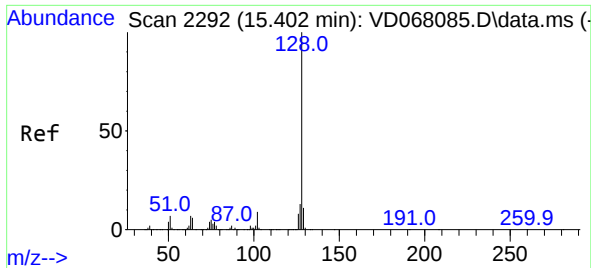
Tgt Ion: 91 Resp: 11110
Ion Ratio Lower Upper
91 100
92 52.0 27.2 81.6
134 20.7 13.9 41.7



#90
Hexachloroethane
Concen: 4.18 ug/l
RT: 14.114 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Tgt Ion: 117 Resp: 5736
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#





#95
Naphthalene
Concen: 7.20 ug/l
RT: 15.402 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VD068093.D
Acq: 19 Jan 2021 16:32

Instrument :
MSVOA_D
ClientSampleId :
VCP-EXC-SOILRE

Tgt Ion:128 Resp: 27632
Ion Ratio Lower Upper
128 100
127 10.8 10.2 15.2
129 7.7 8.8 13.2#

