

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077839.D
 Acq On : 12 Dec 2023 13:57
 Operator : JC/SY
 Sample : 05699-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ELM-N7THSTREET-DRUMS-SOIL

Quant Time: Dec 12 14:23:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

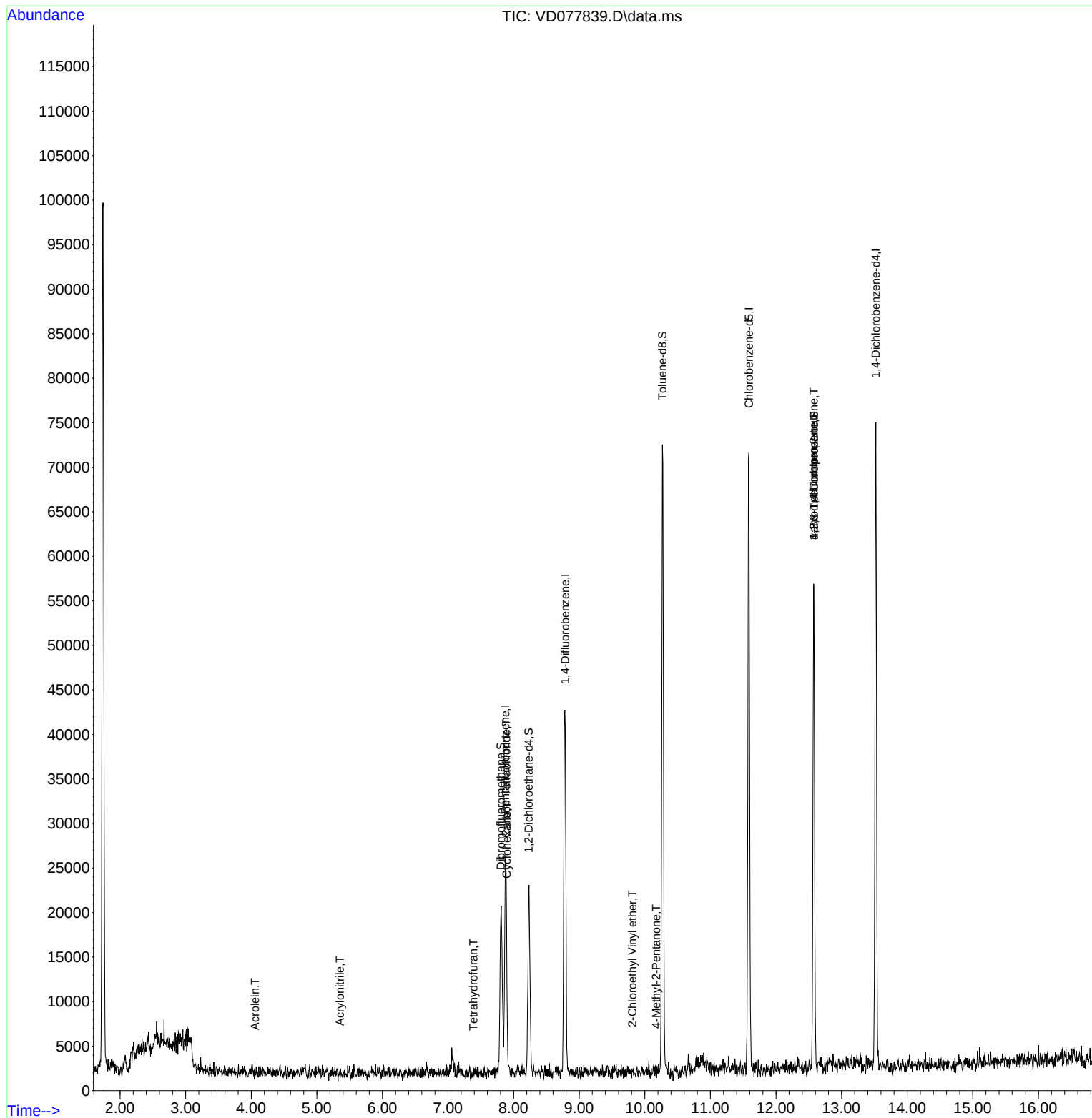
Internal Standards						
1) Pentafluorobenzene	7.875	168	19436	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.787	114	37519	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.587	117	41589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	18797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	15994	69.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 139.680%	
35) Dibromofluoromethane	7.805	113	13203	50.238	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.480%	
50) Toluene-d8	10.269	98	49377	46.910	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 93.820%	
62) 4-Bromofluorobenzene	12.575	95	16625	52.829	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.099	59	76	Below Cal	#	1
13) Acrolein	4.058	56	58	2.394	ug/l #	15
15) Acrylonitrile	5.352	53	75	1.508	ug/l #	18
16) Acetone	4.017	43	318	Below Cal	#	32
20) Methylene Chloride	4.793	84	399	Below Cal	#	17
25) 2-Butanone	7.075	43	59	Below Cal	#	37
29) Tetrahydrofuran	7.387	42	57	1.563	ug/l #	23
31) Cyclohexane	7.893	56	535	1.313	ug/l #	11
38) Carbon Tetrachloride	7.887	117	1238	2.954	ug/l #	11
51) 4-Methyl-2-Pentanone	10.175	43	150	1.009	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.810	63	222	2.104	ug/l #	43
65) Chlorobenzene	11.604	112	149	Below Cal	#	43
76) 1,2,3-Trichloropropane	12.575	75	8850	54.210	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	8850	109.834	ug/l #	18

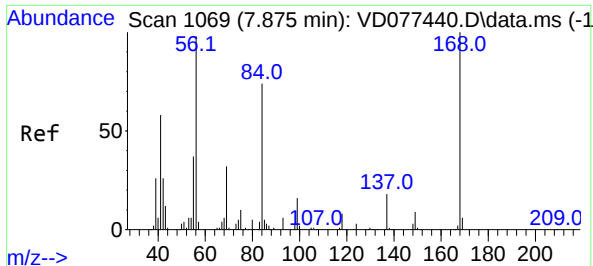
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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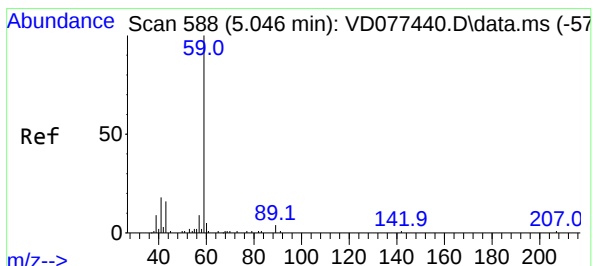
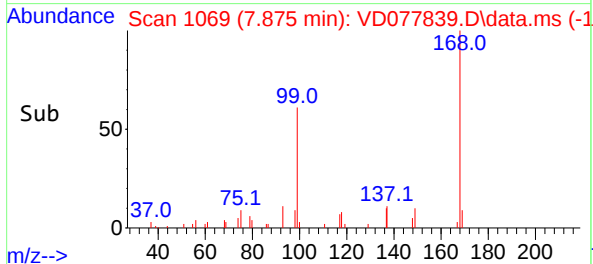
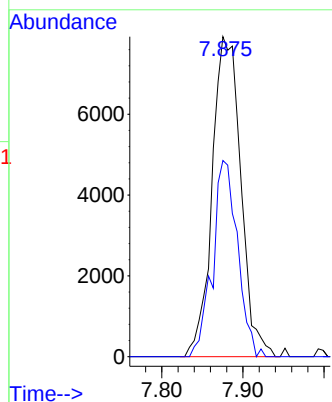
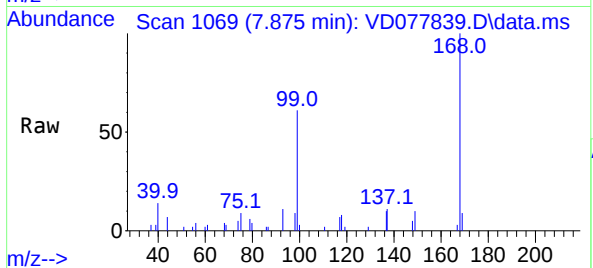




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

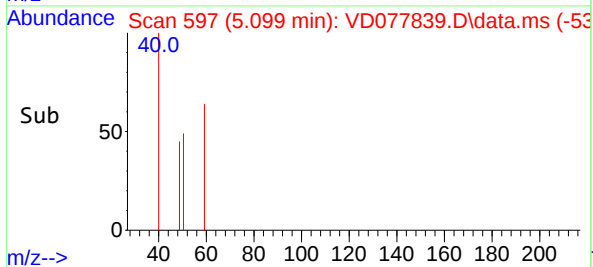
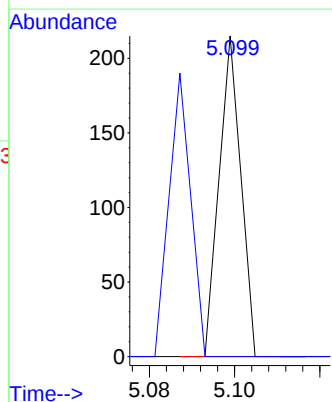
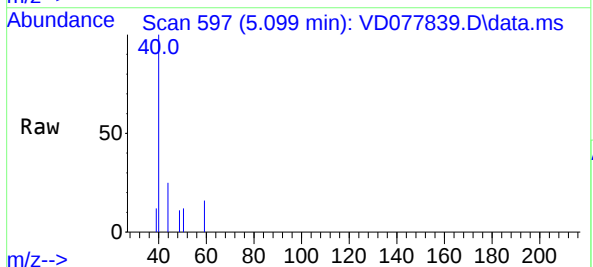
Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

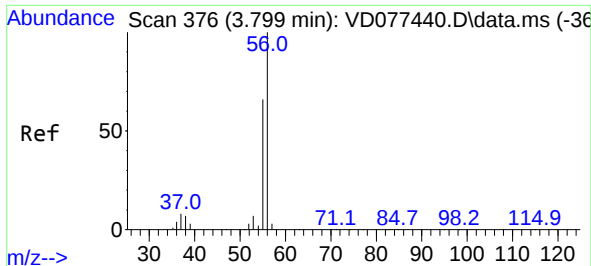
Tgt Ion:168 Resp: 19436
Ion Ratio Lower Upper
168 100
99 61.3 36.7 55.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.099 min Scan# 597
Delta R.T. 0.053 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 59 Resp: 76
Ion Ratio Lower Upper
59 100
57 88.2 7.8 11.8#

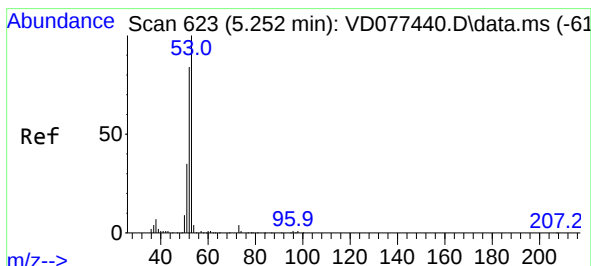
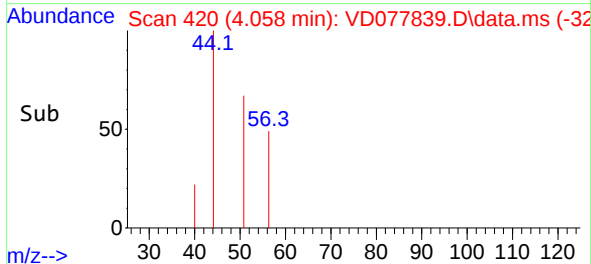
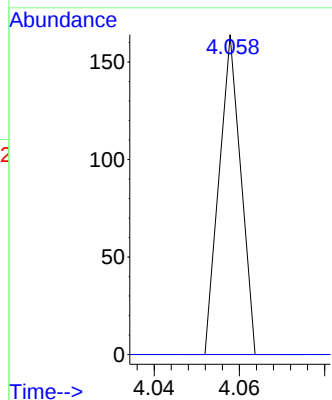
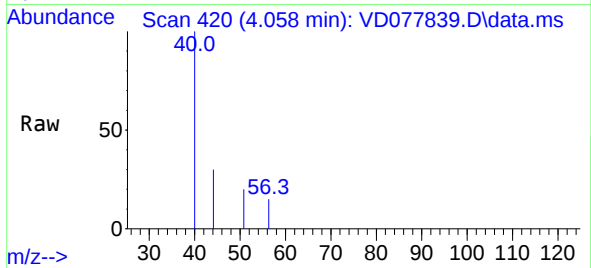




#13
Acrolein
Concen: 2.394 ug/l
RT: 4.058 min Scan# 41
Delta R.T. 0.259 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

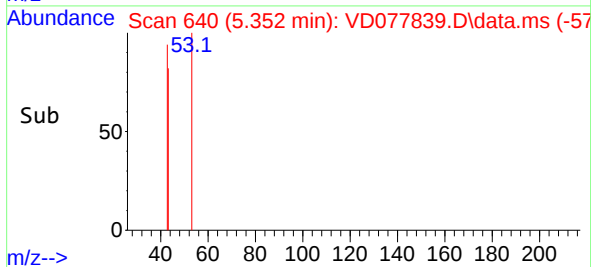
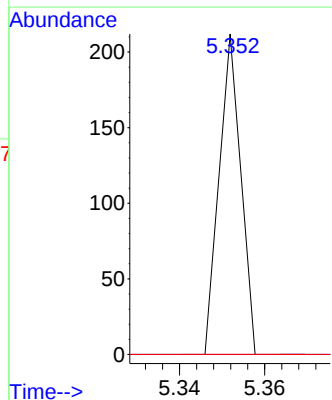
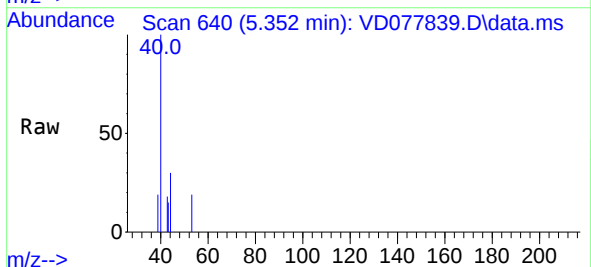
Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

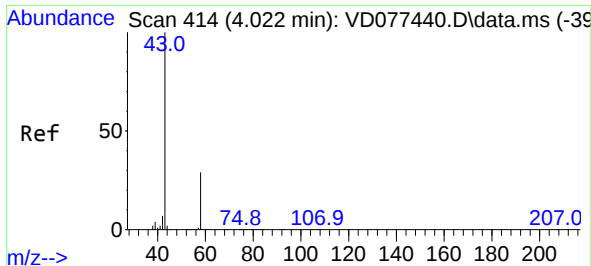
Tgt Ion: 56 Resp: 58
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 1.508 ug/l
RT: 5.352 min Scan# 640
Delta R.T. 0.100 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 53 Resp: 75
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#

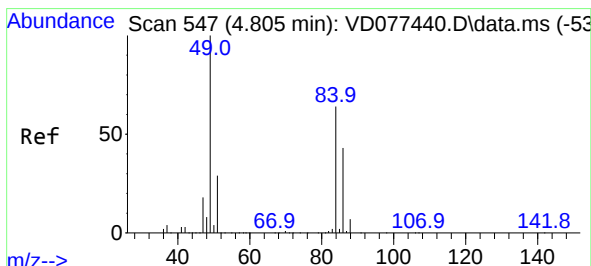
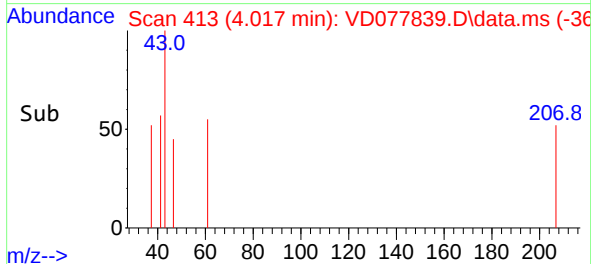
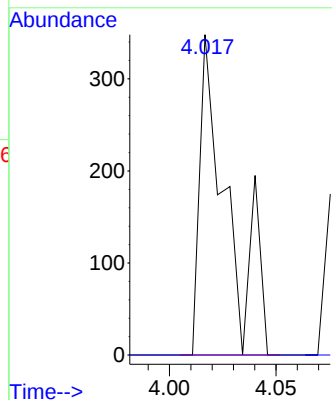
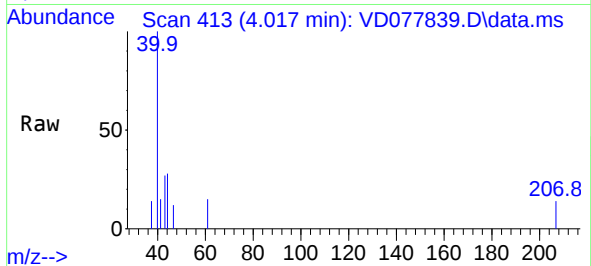




#16
Acetone
Concen: Below Cal
RT: 4.017 min Scan# 41
Delta R.T. -0.005 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

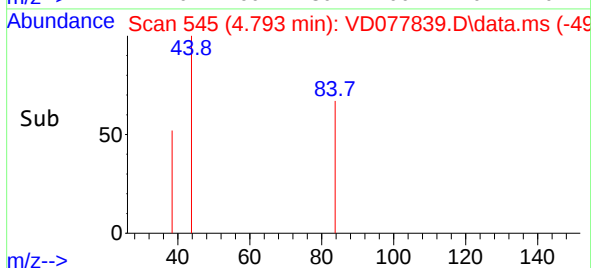
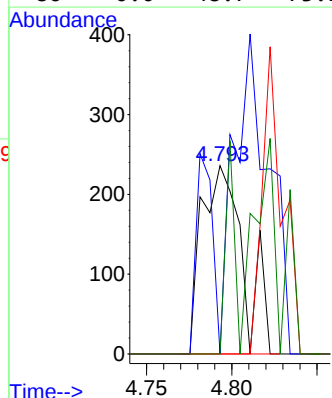
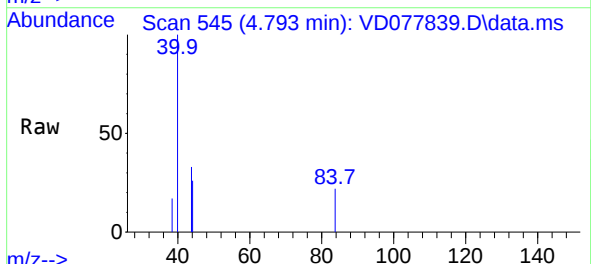
Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

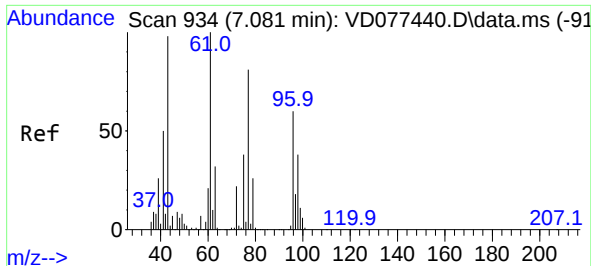
Tgt Ion: 43 Resp: 318
Ion Ratio Lower Upper
43 100
58 0.0 34.7 52.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 545
Delta R.T. -0.012 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 84 Resp: 399
Ion Ratio Lower Upper
84 100
49 0.0 71.4 107.2#
51 0.0 24.5 36.7#
86 0.0 48.7 73.1#

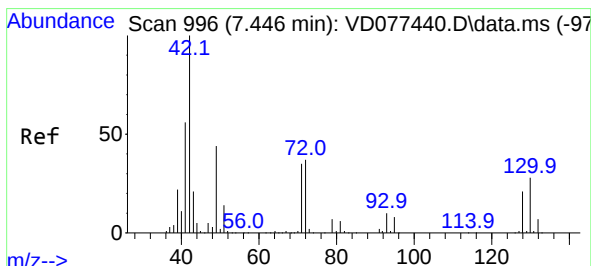
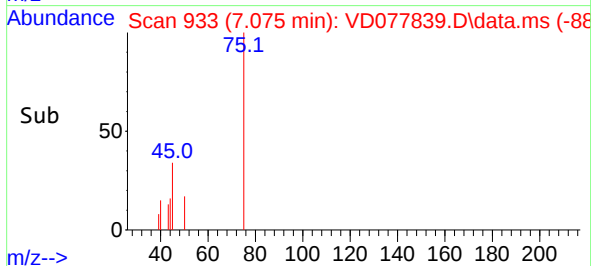
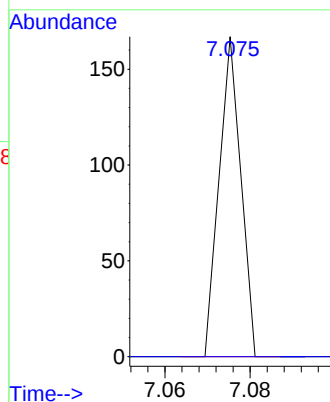
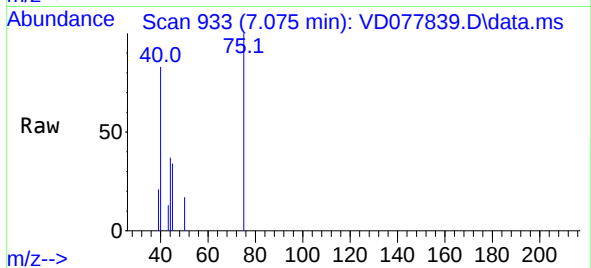




#25
2-Butanone
Concen: Below Cal
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

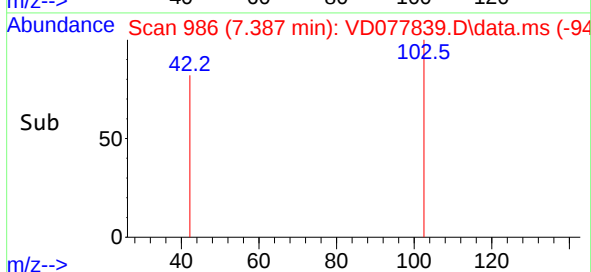
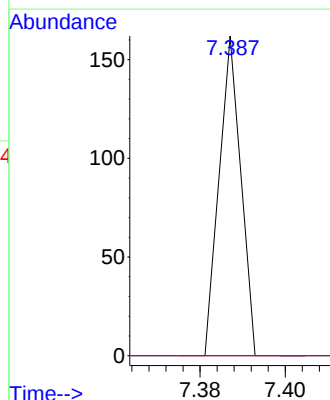
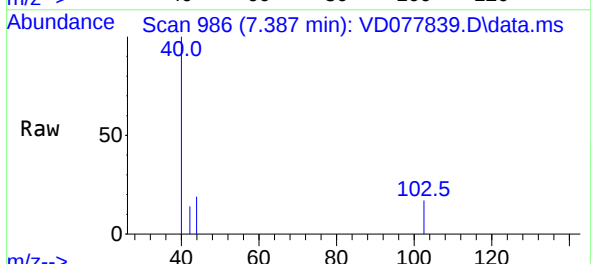
Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

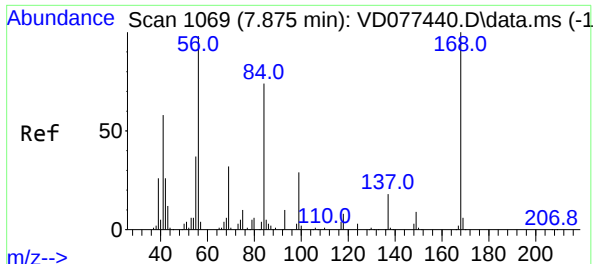
Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
72 0.0 30.7 46.1#



#29
Tetrahydrofuran
Concen: 1.563 ug/l
RT: 7.387 min Scan# 986
Delta R.T. -0.059 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 42 Resp: 57
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#





#31

Cyclohexane

Concen: 1.313 ug/l

RT: 7.893 min Scan# 1069

Delta R.T. 0.018 min

Lab File: VD077839.D

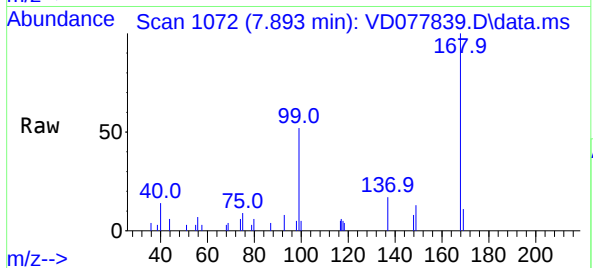
Acq: 12 Dec 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL



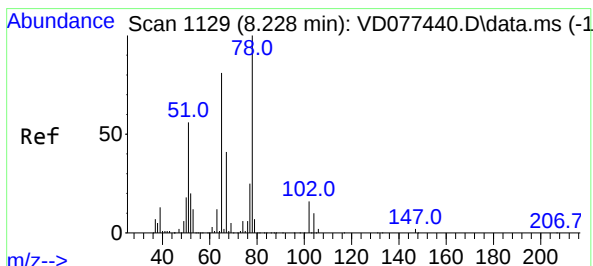
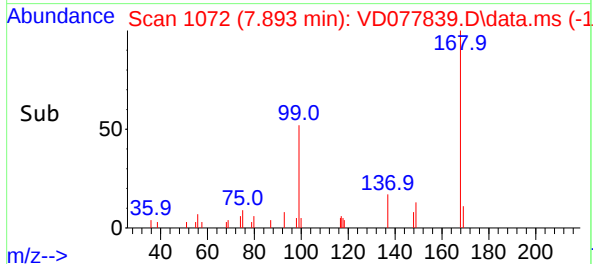
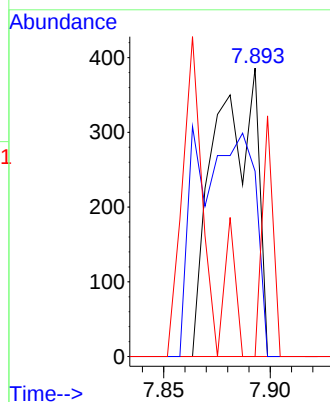
Tgt Ion: 56 Resp: 535

Ion Ratio Lower Upper

56 100

69 64.2 28.6 43.0#

84 0.0 84.8 127.2#



#33

1,2-Dichloroethane-d4

Concen: 69.835 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077839.D

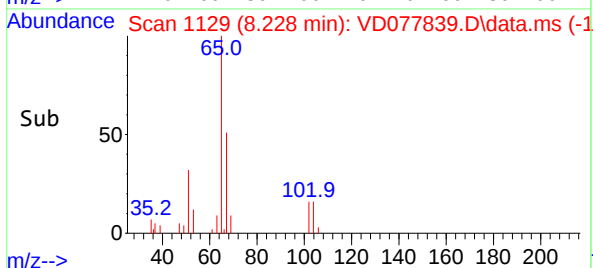
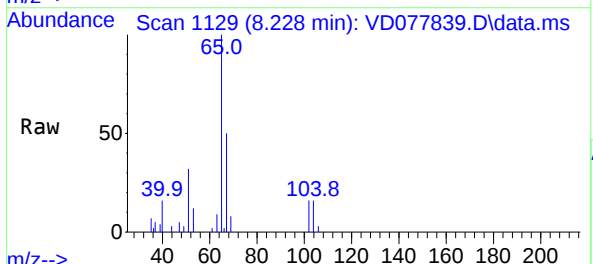
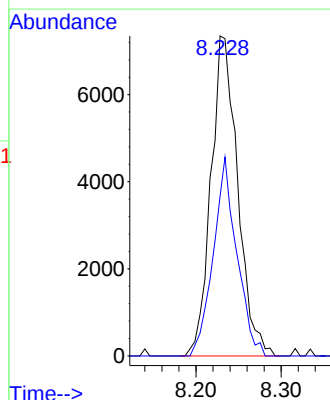
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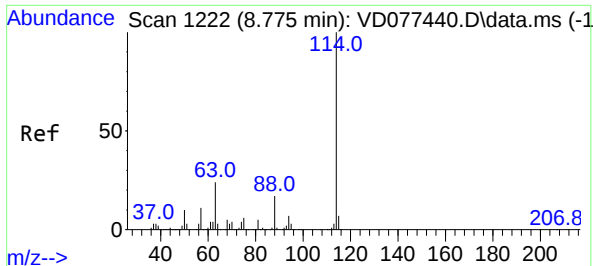
Tgt Ion: 65 Resp: 15994

Ion Ratio Lower Upper

65 100

67 54.8 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.787 min Scan# 114

Delta R.T. 0.012 min

Lab File: VD077839.D

Acq: 12 Dec 2023 13:57

Instrument :

MSVOA_D

ClientSampleId :

ELM-N7THSTREET-DRUMS-SOIL

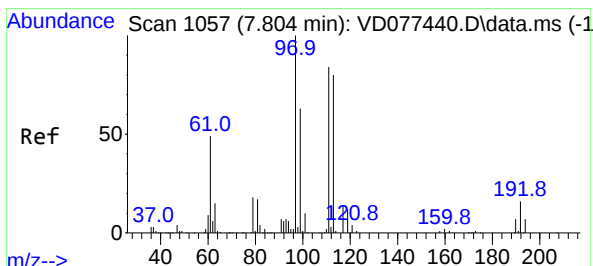
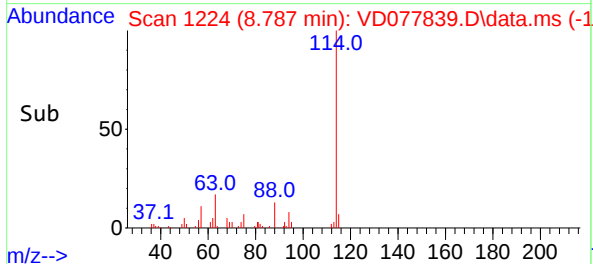
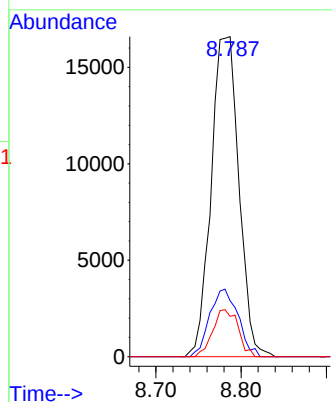
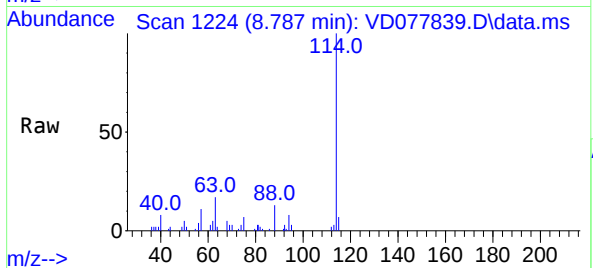
Tgt Ion:114 Resp: 37519

Ion Ratio Lower Upper

114 100

63 17.4 0.0 33.4

88 12.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 50.238 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077839.D

Acq: 12 Dec 2023 13:57

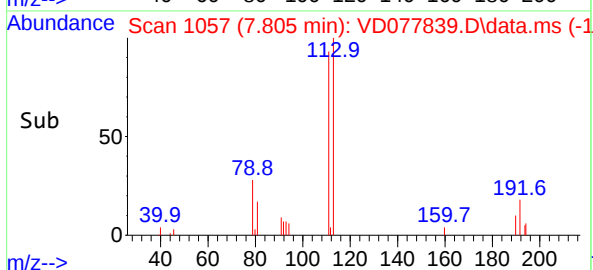
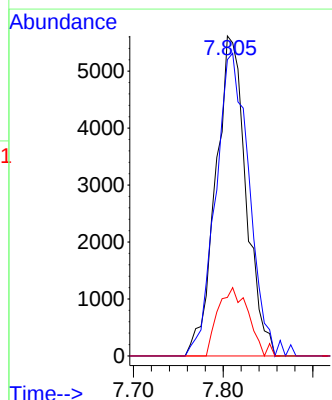
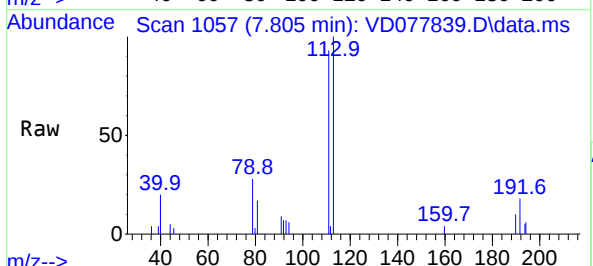
Tgt Ion:113 Resp: 13203

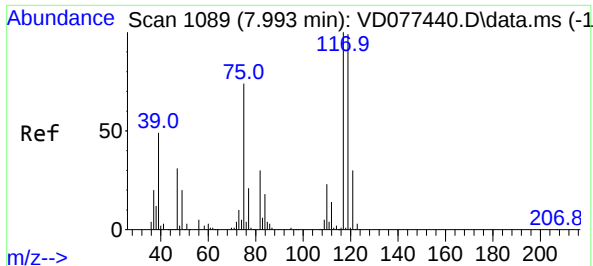
Ion Ratio Lower Upper

113 100

111 104.3 84.7 127.1

192 21.5 16.8 25.2

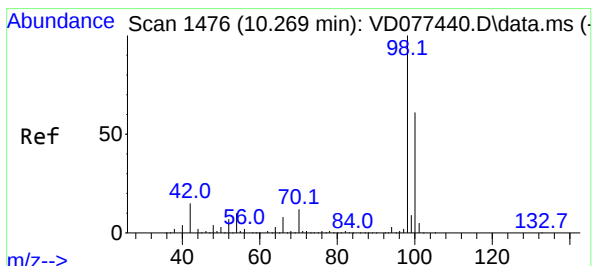
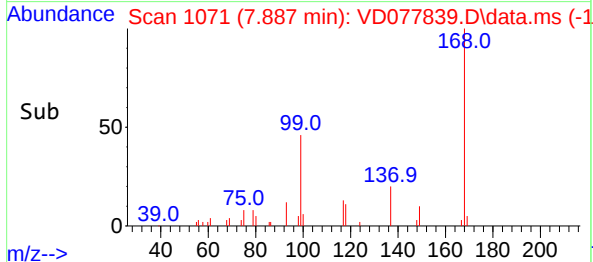
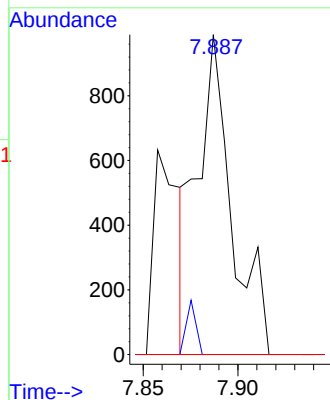
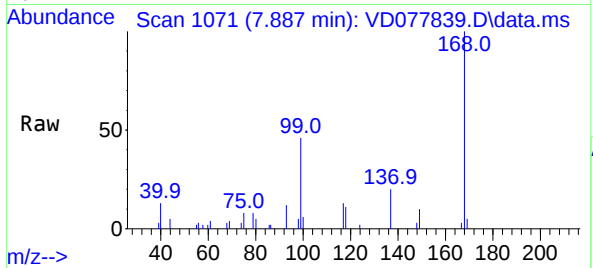




#38
Carbon Tetrachloride
Concen: 2.954 ug/l
RT: 7.887 min Scan# 1089
Delta R.T. -0.106 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

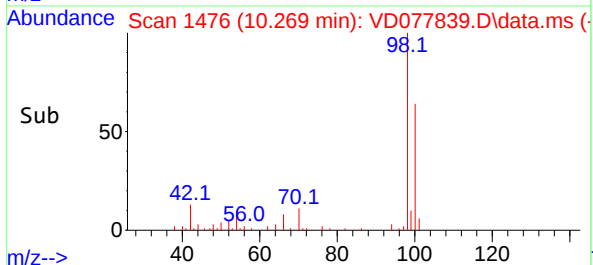
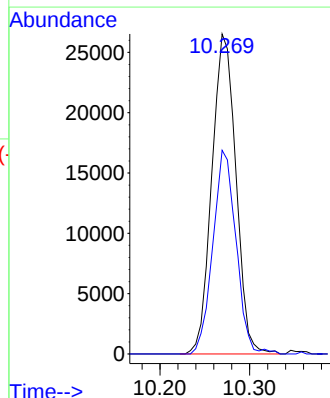
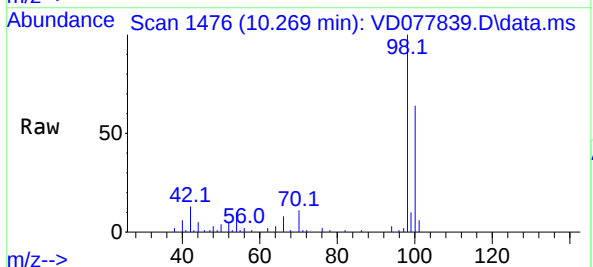
Instrument :
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ELM-N7THSTREET-DRUMS-SOIL

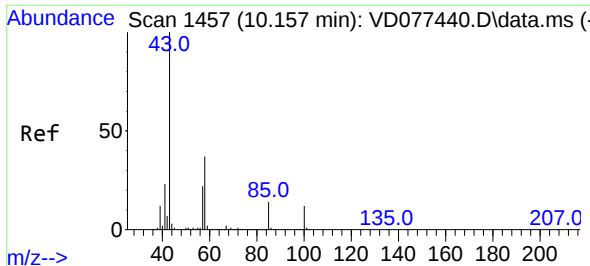
Tgt Ion:117 Resp: 1238
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 46.910 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 98 Resp: 49377
Ion Ratio Lower Upper
98 100
100 61.4 50.3 75.5

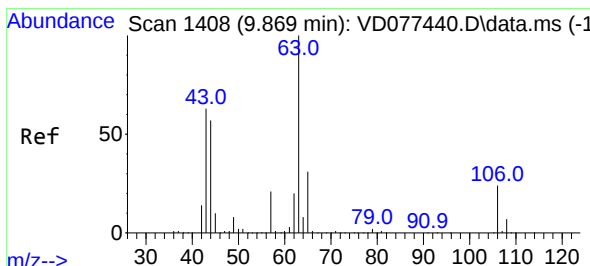
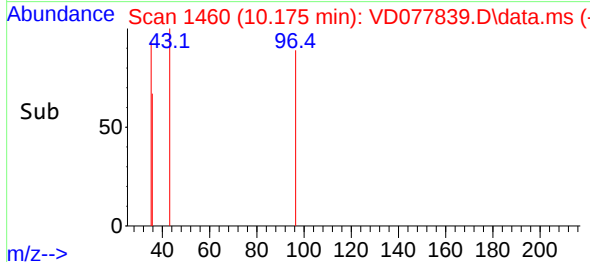
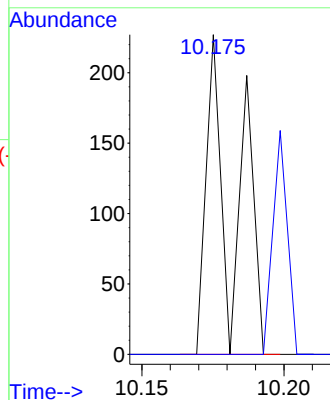
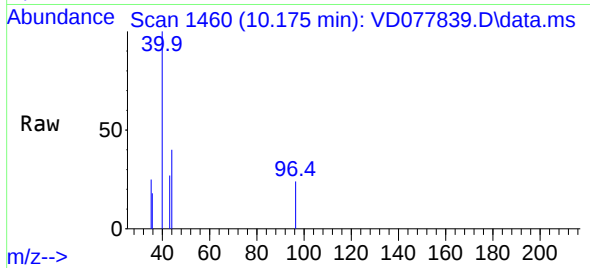




#51
4-Methyl-2-Pentanone
Concen: 1.009 ug/l
RT: 10.175 min Scan# 1457
Delta R.T. 0.018 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

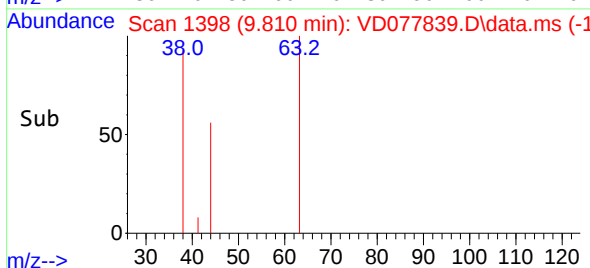
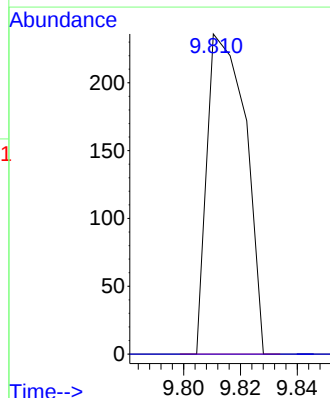
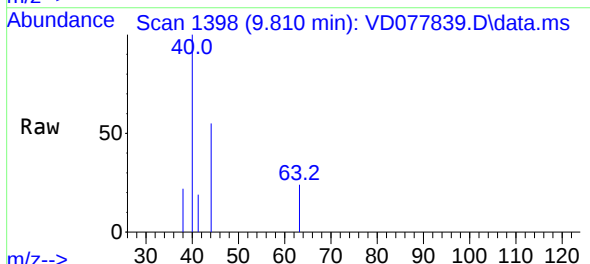
Instrument : MSVOA_D
ClientSampleId : ELM-N7THSTREET-DRUMS-SOIL

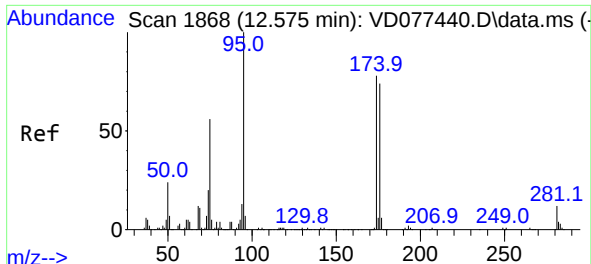
Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#



#58
2-Chloroethyl Vinyl ether
Concen: 2.104 ug/l
RT: 9.810 min Scan# 1398
Delta R.T. -0.059 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 63 Resp: 222
Ion Ratio Lower Upper
63 100
106 0.0 25.3 37.9#

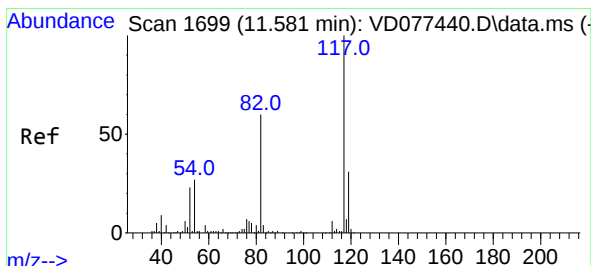
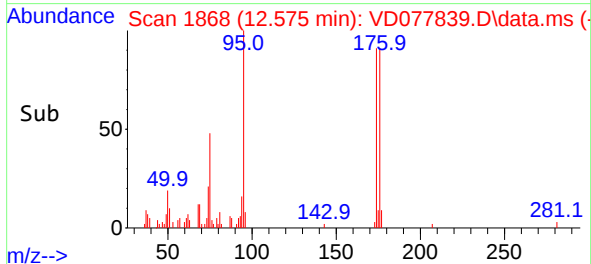
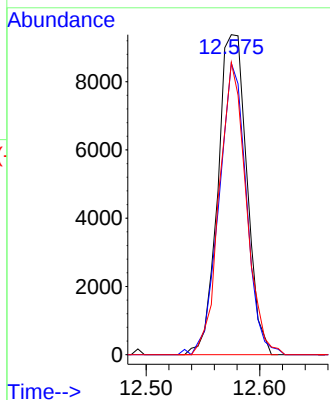
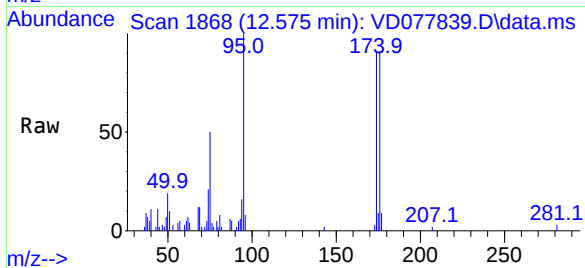




#62
4-Bromofluorobenzene
Concen: 52.829 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

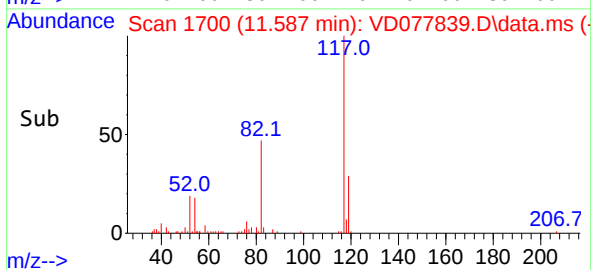
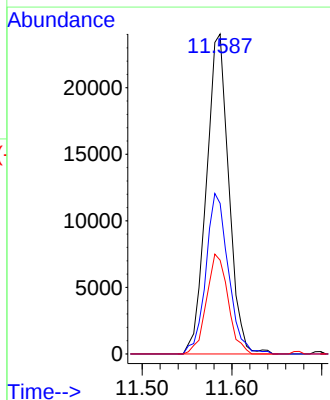
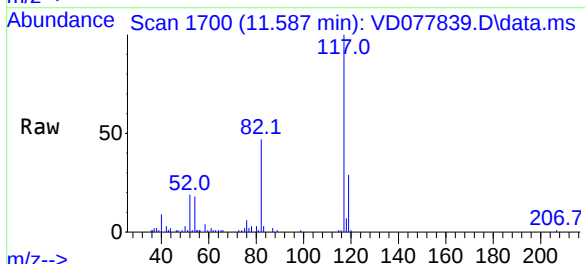
Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

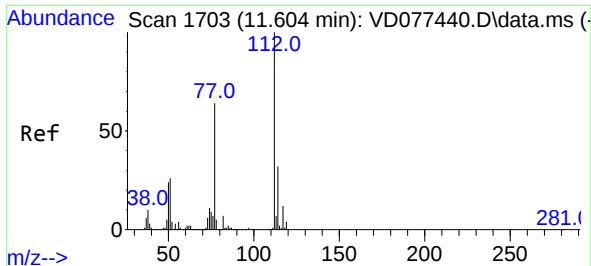
Tgt Ion:	95	Resp:	16625
Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	201.8
176	84.5	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion:	117	Resp:	41589
Ion	Ratio	Lower	Upper
117	100		
82	47.1	38.3	57.5
119	29.3	25.0	37.4

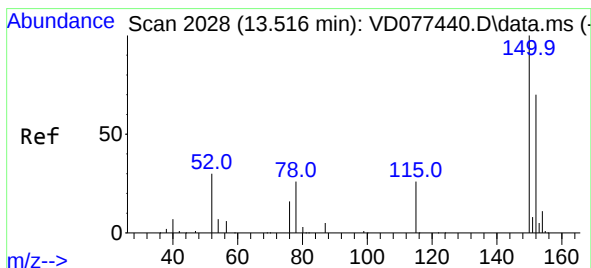
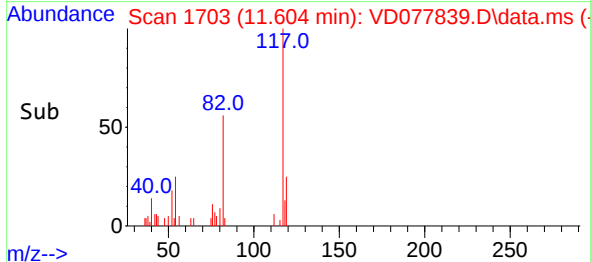
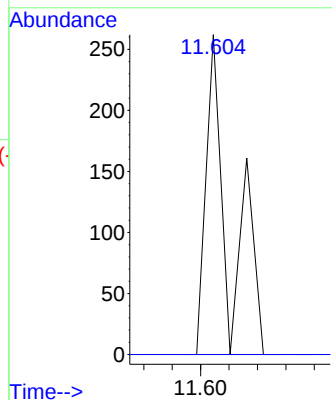
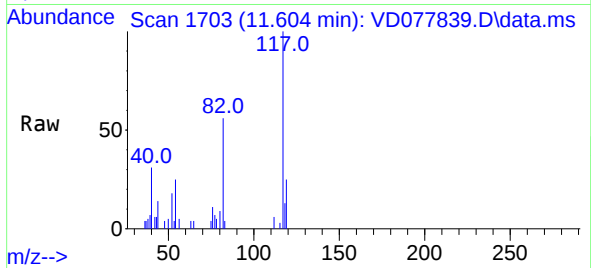




#65
Chlorobenzene
Concen: Below Cal
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

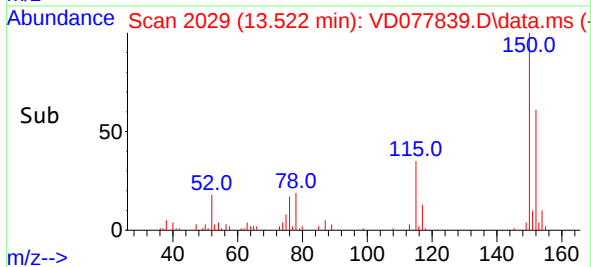
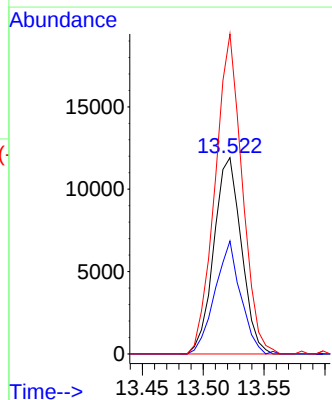
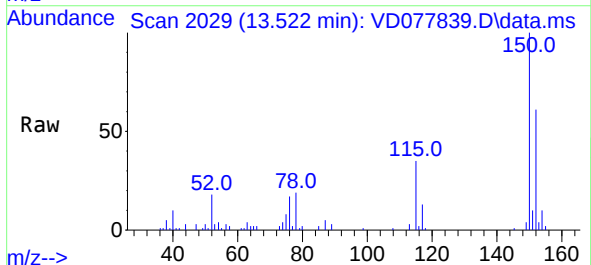
Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

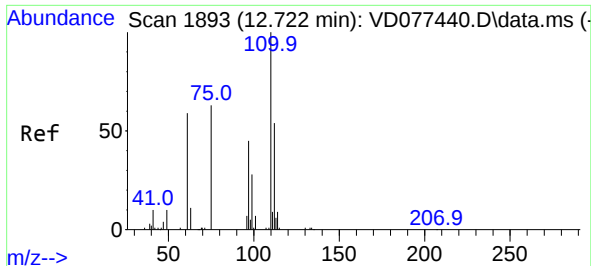
Tgt Ion:112 Resp: 149
Ion Ratio Lower Upper
112 100
114 0.0 25.1 37.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion:152 Resp: 18797
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.3
150 159.9 0.0 353.6

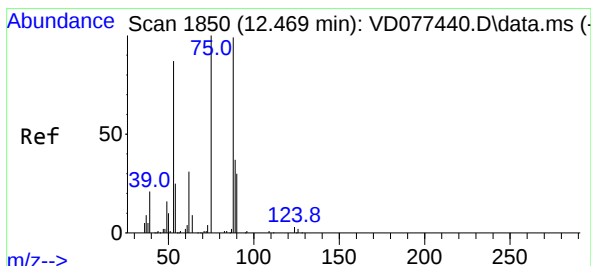
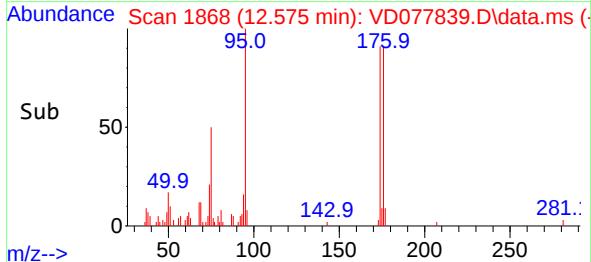
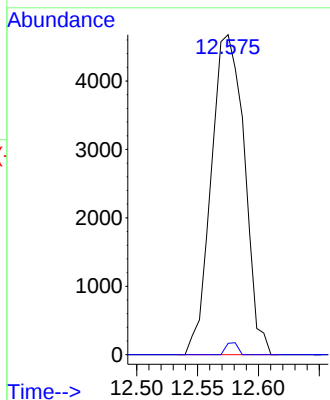
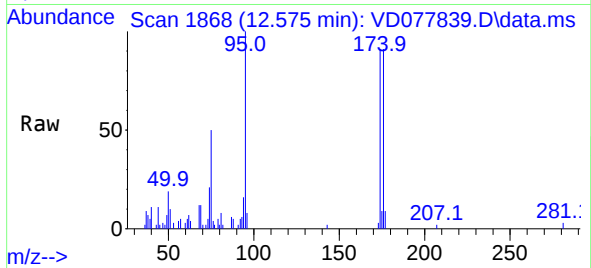




#76
1,2,3-Trichloropropane
Concen: 54.210 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Instrument :
MSVOA_D
ClientSampleId :
ELM-N7THSTREET-DRUMS-SOIL

Tgt Ion: 75 Resp: 8850
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.834 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD077839.D
Acq: 12 Dec 2023 13:57

Tgt Ion: 75 Resp: 8850
Ion Ratio Lower Upper
75 100
53 1.1 63.0 94.4#
89 0.0 37.9 56.9#

