

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011625\
 Data File : VX044669.D
 Acq On : 16 Jan 2025 13:33
 Operator :
 Sample : Q1083-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 001-WILLETS-PT-BLVD(DEC)

Quant Time: Jan 17 01:31:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

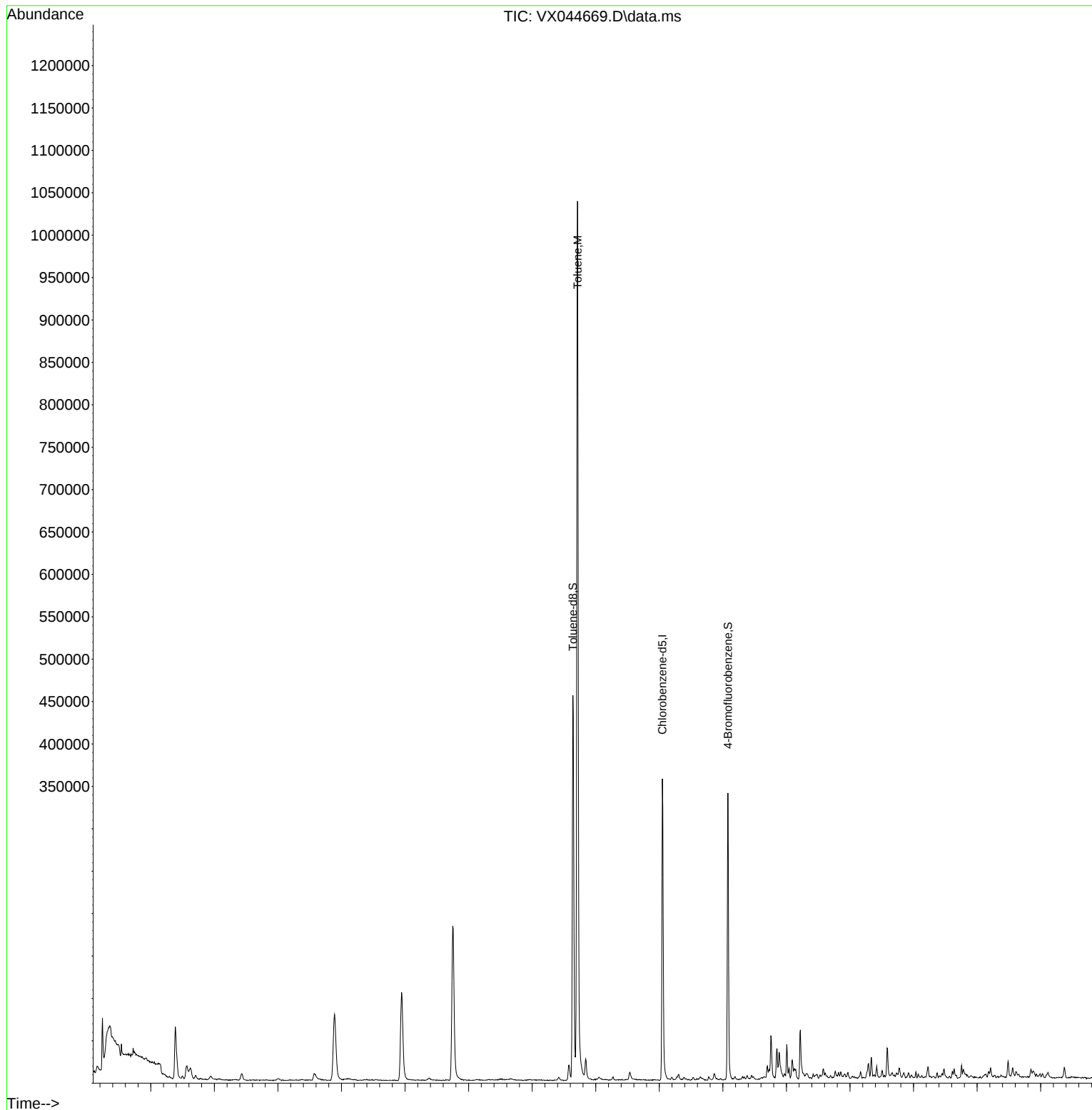
Internal Standards						
1) Bromochloromethane	4.891	128	34454	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	193425	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	171637	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	101647	30.560	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 101.867%	
60) 4-Bromofluorobenzene	11.079	95	101727	30.514	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 101.700%	
63) Toluene-d8	8.641	98	291561	31.232	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 104.100%	
Target Compounds						Qvalue
12) Methyl Acetate	2.709	43	5007	1.348	ug/l	# 88
15) Acetone	2.386	58	23128	63.664	ug/l	98
16) Carbon Disulfide	2.495	76	3912	0.553	ug/l	97
30) 2-Butanone	4.568	43	16011	8.663	ug/l	# 57
58) 4-Methyl-2-Pentanone	8.580	43	13356	3.692	ug/l	96
62) Toluene	8.714	91	710756	62.889	ug/l	99
67) m/p-Xylenes	10.305	106	1779	0.392	ug/l	97
76) 1,3,5-Trimethylbenzene	11.451	105	2149	0.231	ug/l	89
80) 1,2,4-Trimethylbenzene	11.756	105	7286	0.777	ug/l	88
82) p-Isopropyltoluene	12.006	119	16955	1.808	ug/l	98
91) Naphthalene	13.780	128	7185	0.654	ug/l	98

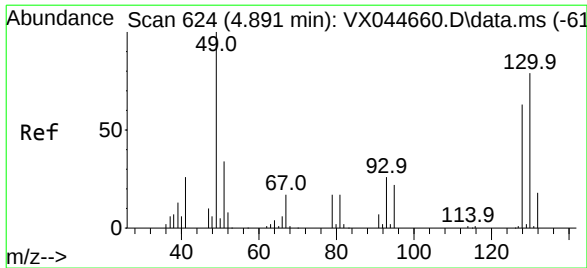
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

Quant Time: Jan 17 01:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration

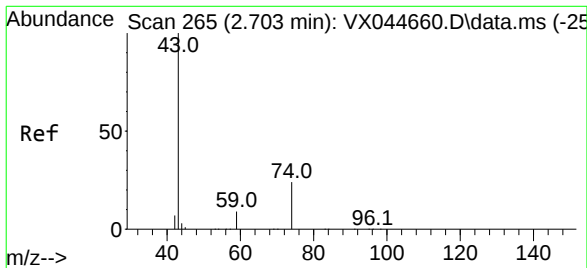
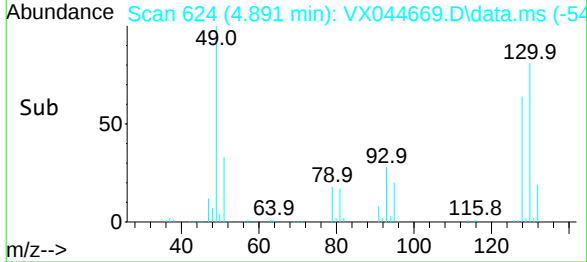
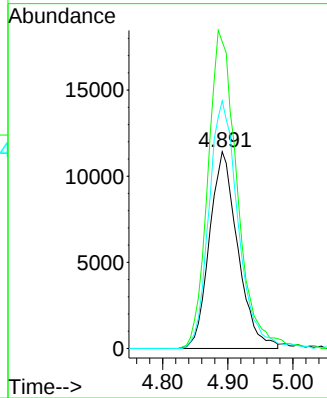
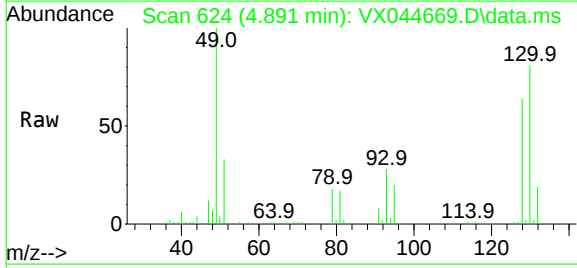




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 624
Delta R.T. 0.000 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

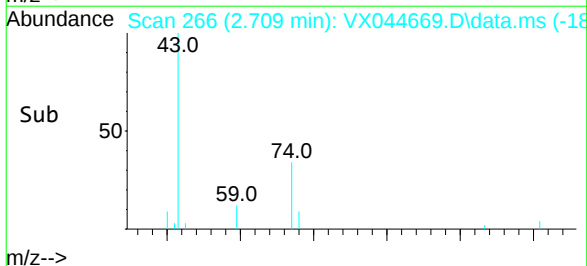
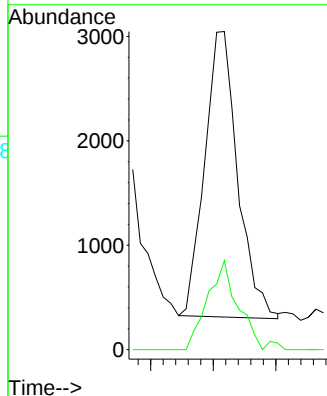
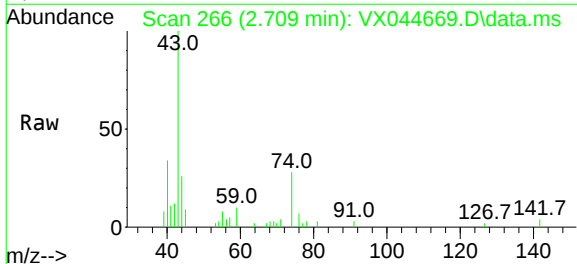
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

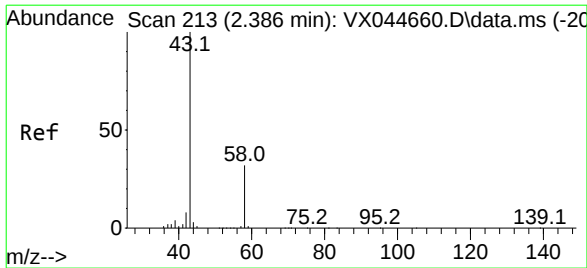
Tgt Ion	Ratio	Lower	Upper
128	100		
49	164.0	0.0	411.5
130	129.9	0.0	324.3



#12
Methyl Acetate
Concen: 1.348 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.3	19.4	29.2#





#15

Acetone

Concen: 63.664 ug/l

RT: 2.386 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX044669.D

Acq: 16 Jan 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

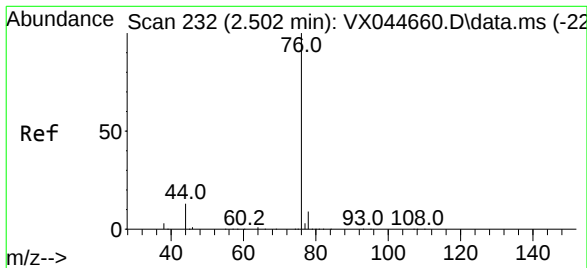
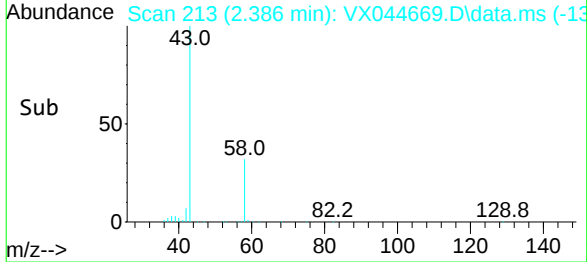
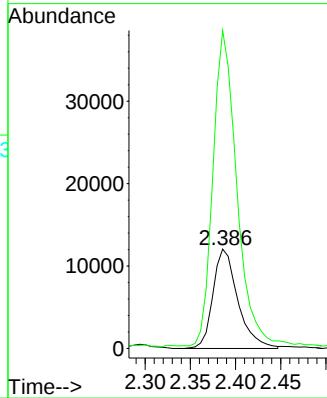
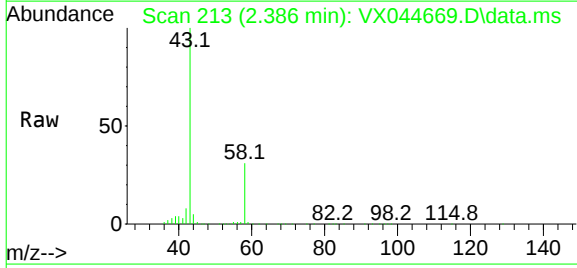
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 58 Resp: 23128

Ion Ratio Lower Upper

58 100

43 317.5 251.0 376.4



#16

Carbon Disulfide

Concen: 0.553 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.006 min

Lab File: VX044669.D

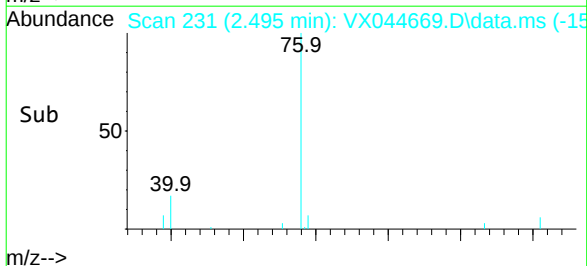
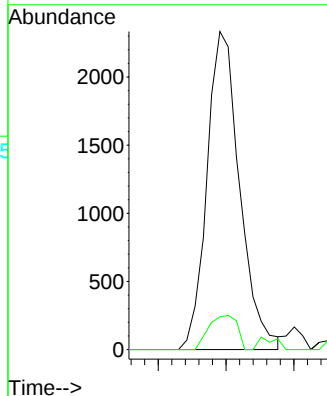
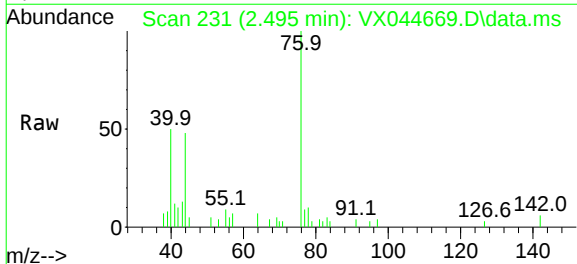
Acq: 16 Jan 2025 13:33

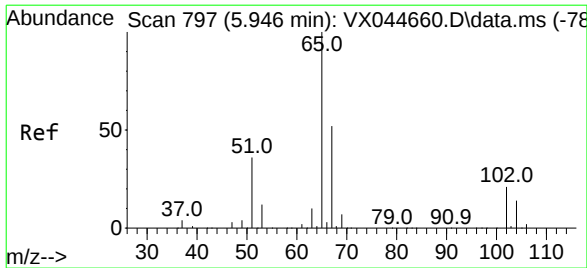
Tgt Ion: 76 Resp: 3912

Ion Ratio Lower Upper

76 100

78 10.3 7.3 10.9

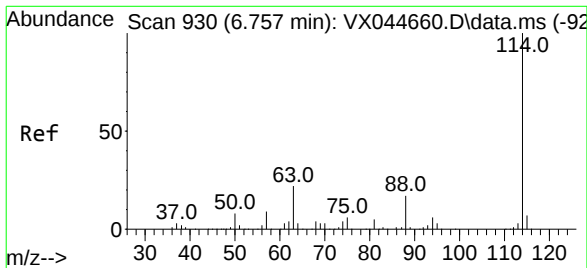
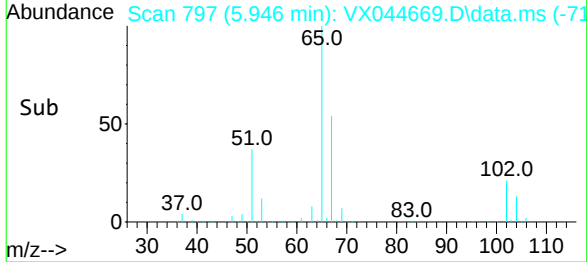
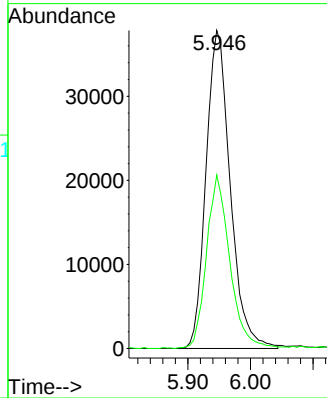
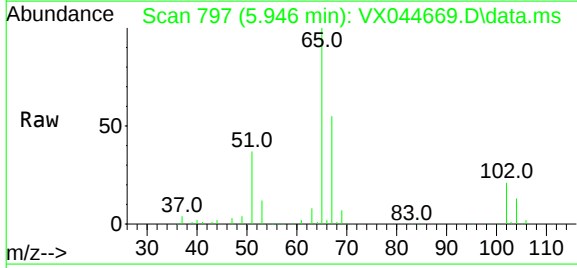




#27
1,2-Dichloroethane-d4
Concen: 30.560 ug/l
RT: 5.946 min Scan# 79
Delta R.T. 0.000 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

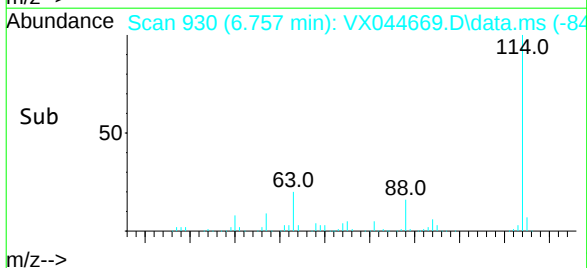
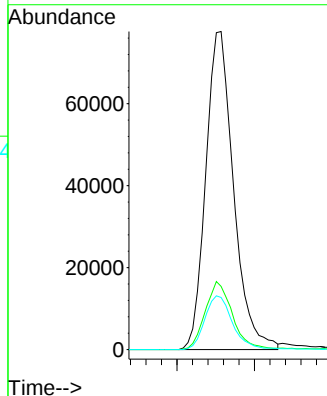
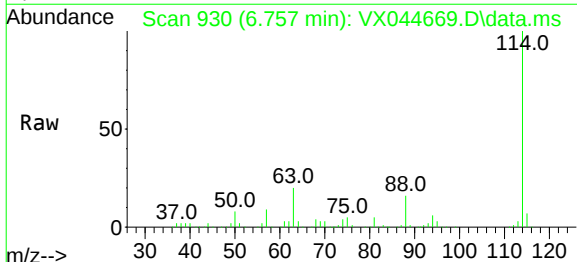
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

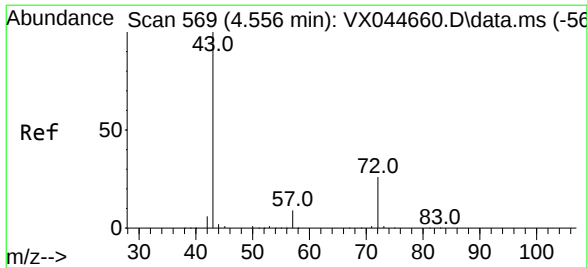
Tgt Ion: 65 Resp: 101647
Ion Ratio Lower Upper
65 100
67 52.5 41.4 62.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. 0.000 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

Tgt Ion: 114 Resp: 193425
Ion Ratio Lower Upper
114 100
63 20.8 16.6 24.8
88 16.7 13.4 20.2

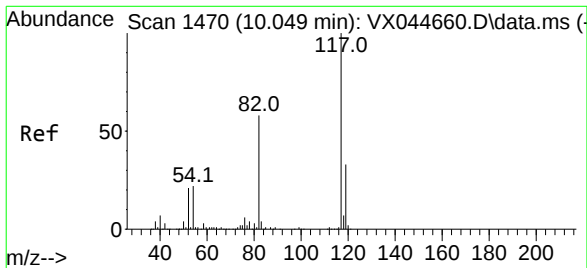
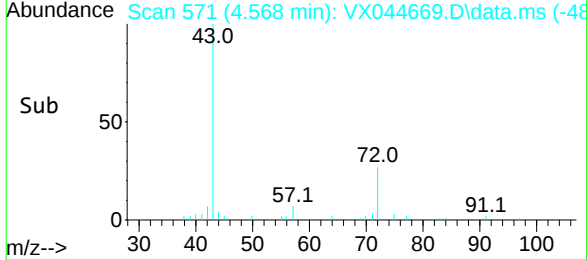
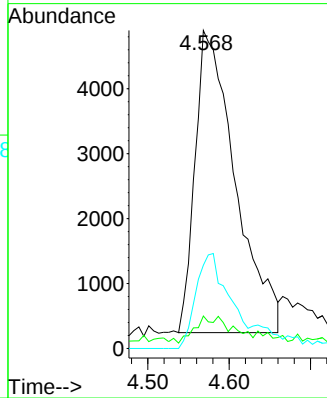
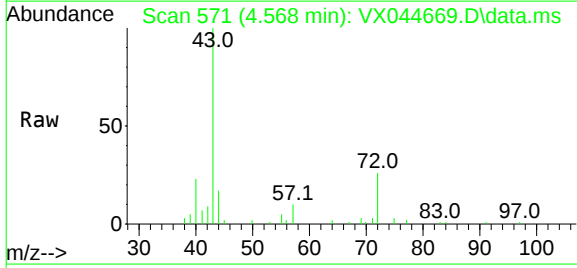




#30
2-Butanone
Concen: 8.663 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

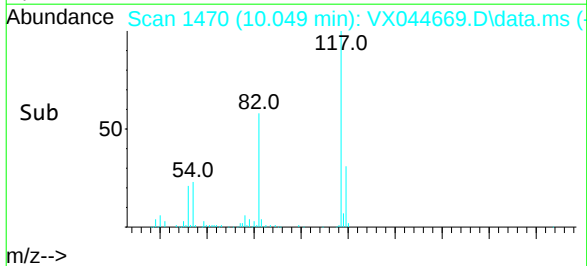
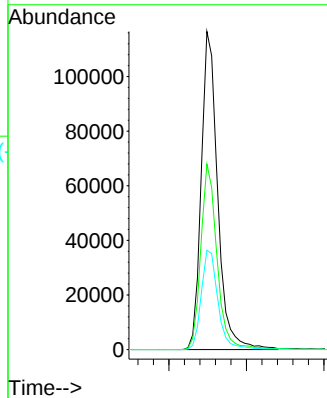
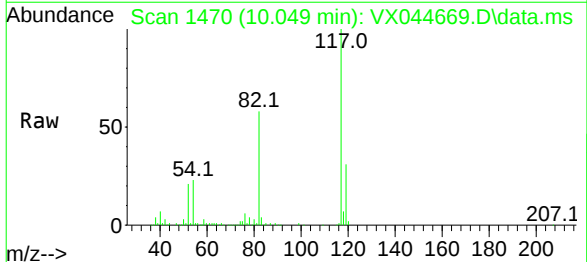
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

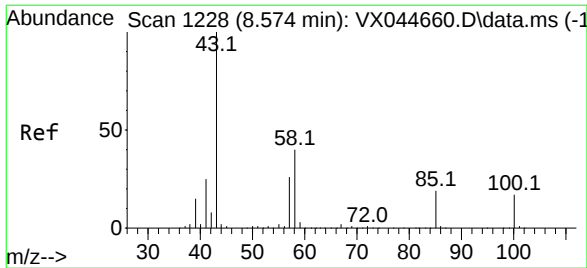
Tgt Ion: 43 Resp: 16011
Ion Ratio Lower Upper
43 100
57 4.0 6.4 9.6#
72 0.0 21.5 32.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

Tgt Ion: 117 Resp: 171637
Ion Ratio Lower Upper
117 100
82 57.4 45.8 68.6
119 31.9 25.8 38.6





#58

4-Methyl-2-Pentanone

Concen: 3.692 ug/l

RT: 8.580 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX044669.D

Acq: 16 Jan 2025 13:33

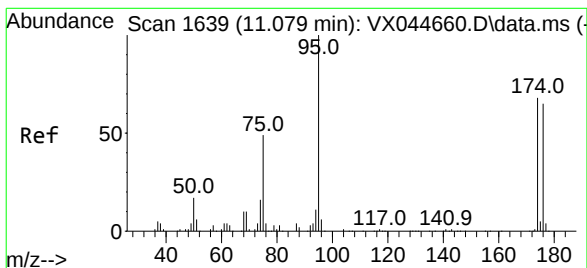
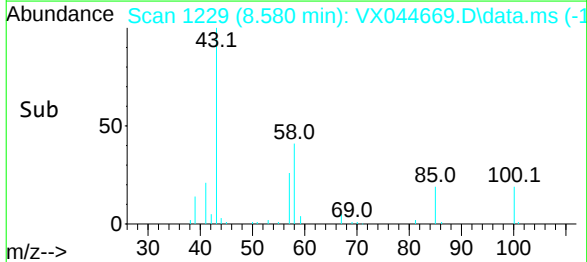
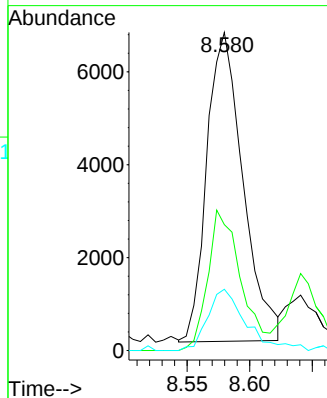
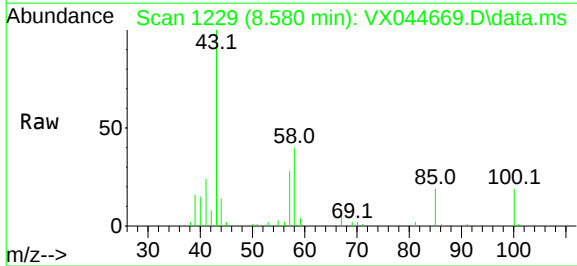
Instrument :

MSVOA_X

ClientSampleId :

001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 43	Resp: 13356
Ion Ratio	Lower Upper
43	100
58	41.7 31.7 47.5
85	21.0 15.0 22.6



#60

4-Bromofluorobenzene

Concen: 30.514 ug/l

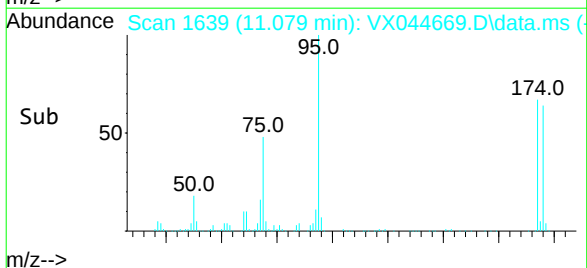
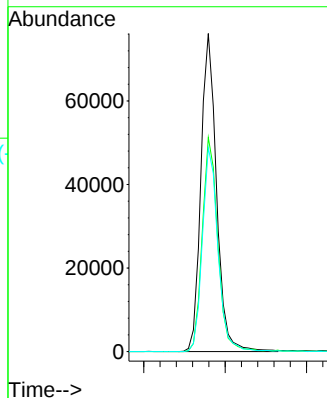
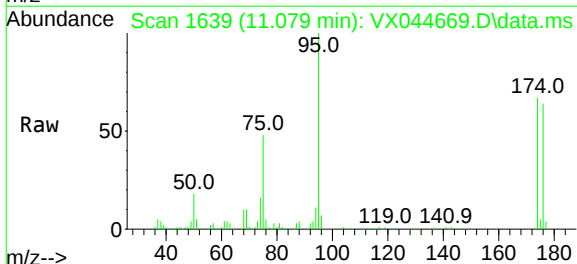
RT: 11.079 min Scan# 1639

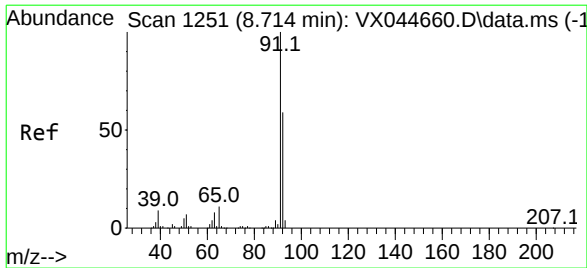
Delta R.T. 0.000 min

Lab File: VX044669.D

Acq: 16 Jan 2025 13:33

Tgt Ion: 95	Resp: 101727
Ion Ratio	Lower Upper
95	100
174	66.7 54.6 81.8
176	63.6 52.8 79.2





#62

Toluene

Concen: 62.889 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX044669.D

Acq: 16 Jan 2025 13:33

Instrument :

MSVOA_X

ClientSampleId :

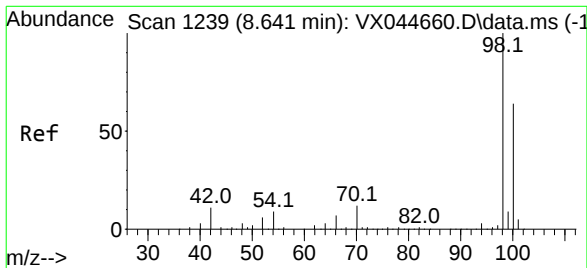
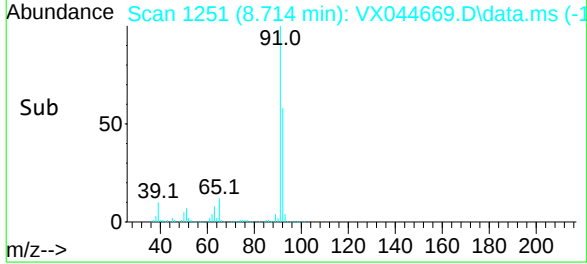
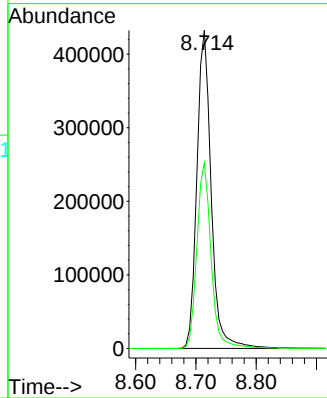
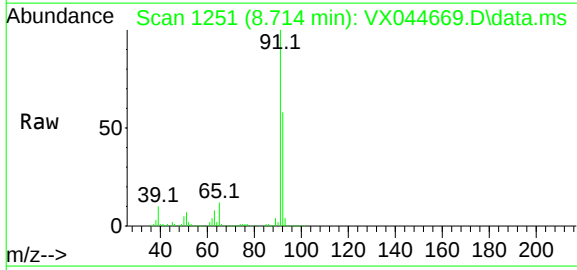
001-WILLETS-PT-BLVD(DEC)

Tgt Ion: 91 Resp: 710756

Ion Ratio Lower Upper

91 100

92 58.1 47.3 70.9



#63

Toluene-d8

Concen: 31.232 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VX044669.D

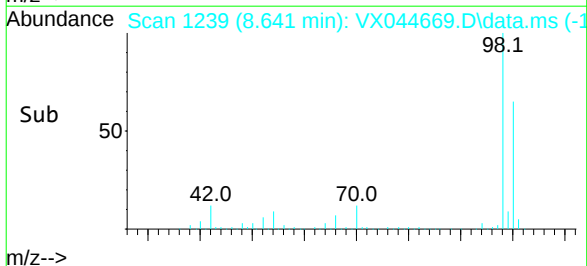
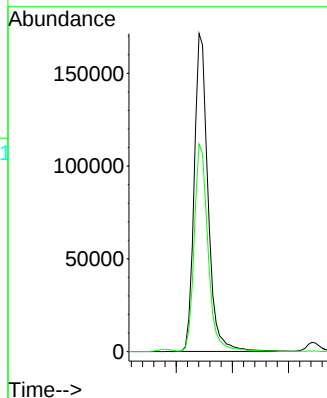
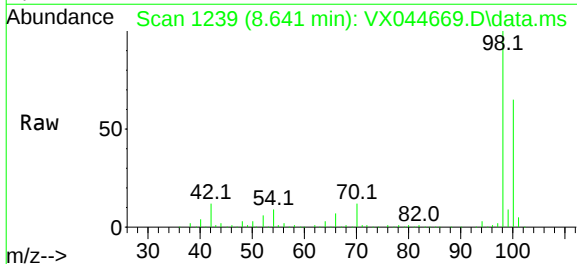
Acq: 16 Jan 2025 13:33

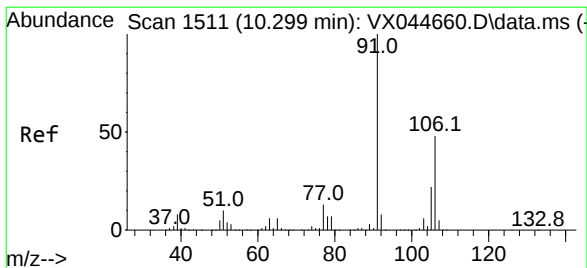
Tgt Ion: 98 Resp: 291561

Ion Ratio Lower Upper

98 100

100 64.6 53.6 80.4

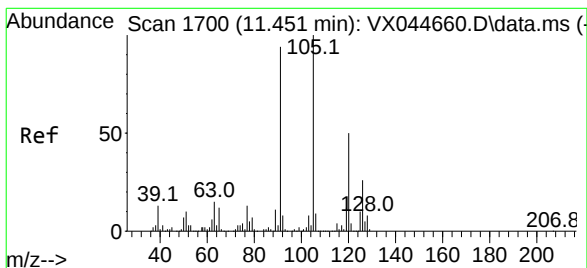
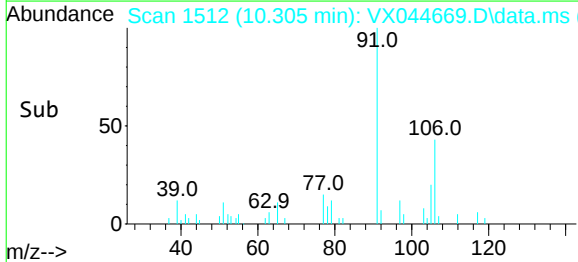
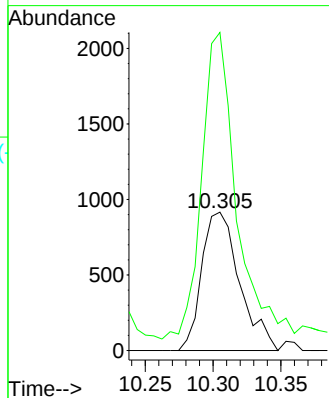
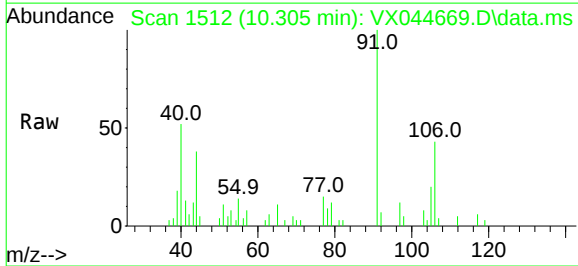




#67
m/p-Xylenes
Concen: 0.392 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

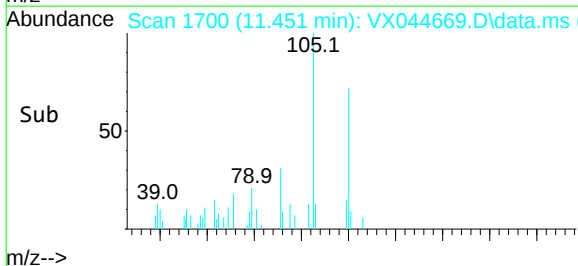
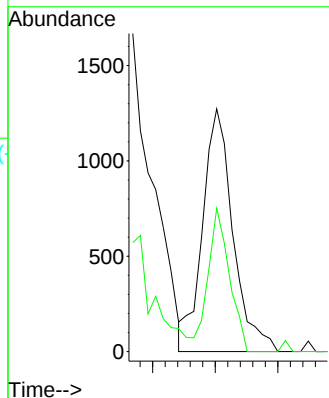
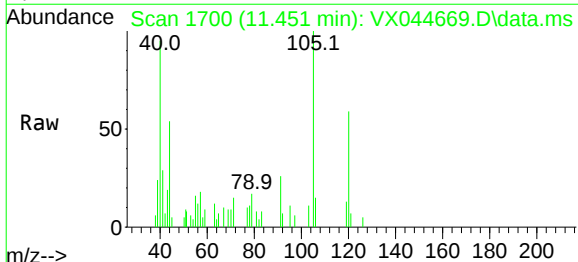
Instrument :
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001-WILLETS-PT-BLVD(DEC)

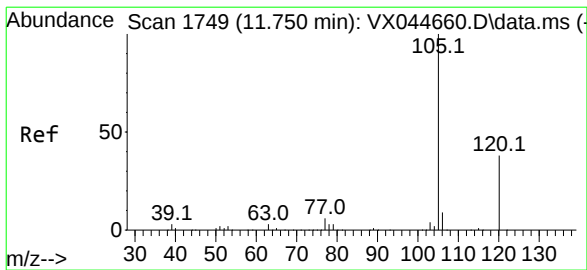
Tgt Ion:106 Resp: 1779
Ion Ratio Lower Upper
106 100
91 213.1 166.8 250.2



#76
1,3,5-Trimethylbenzene
Concen: 0.231 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

Tgt Ion:105 Resp: 2149
Ion Ratio Lower Upper
105 100
120 41.1 0.0 96.8

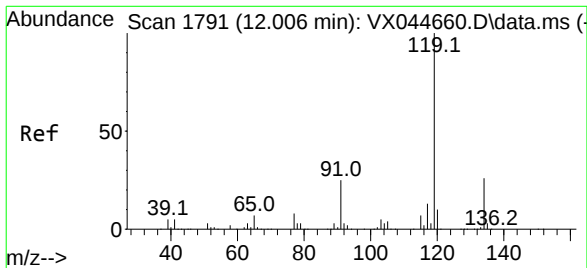
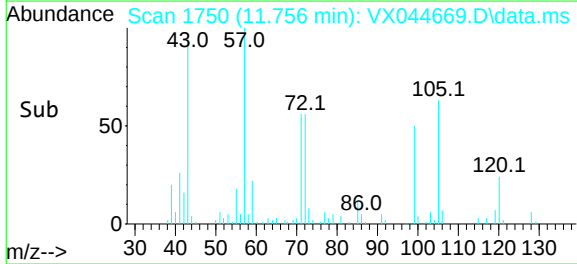
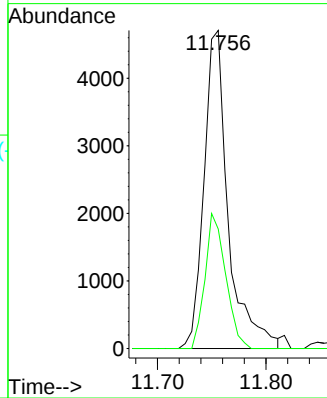
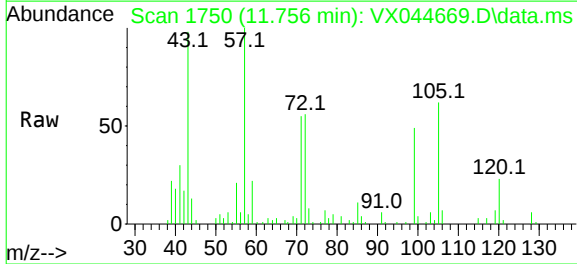




#80
1,2,4-Trimethylbenzene
Concen: 0.777 ug/l
RT: 11.756 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

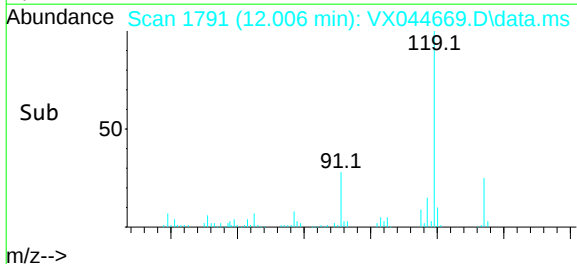
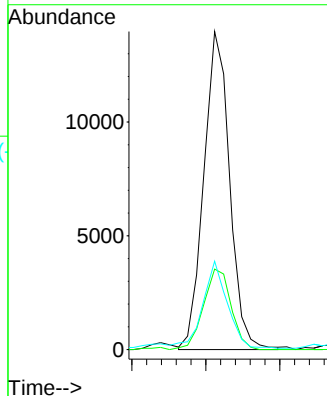
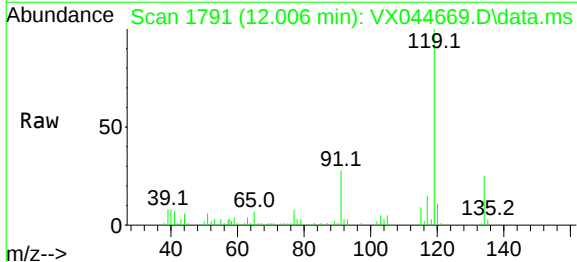
Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)

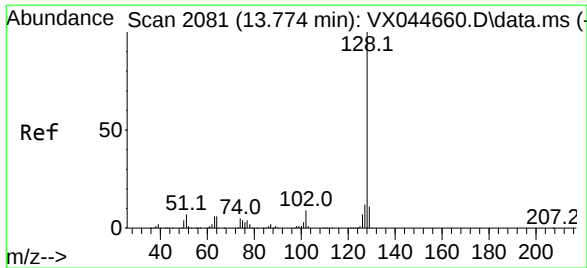
Tgt Ion:105 Resp: 7286
Ion Ratio Lower Upper
105 100
120 36.2 0.0 88.4



#82
p-Isopropyltoluene
Concen: 1.808 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

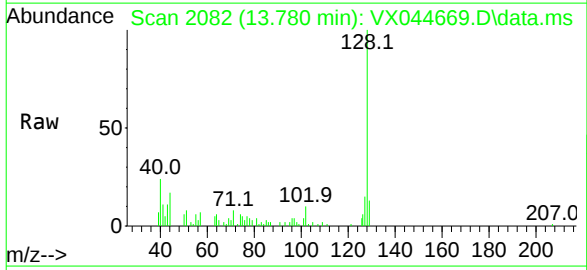
Tgt Ion:119 Resp: 16955
Ion Ratio Lower Upper
119 100
134 27.0 0.0 52.2
91 25.8 0.0 50.2





#91
Naphthalene
Concen: 0.654 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX044669.D
Acq: 16 Jan 2025 13:33

Instrument :
MSVOA_X
ClientSampleId :
001-WILLETS-PT-BLVD(DEC)



Tgt Ion:	128	Resp:	7185
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	12.7	9.0	13.6

