

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039314.D
 Acq On : 04 Nov 2025 14:56
 Operator : SY/MD
 Sample : Q3521-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 TANK-2025

Quant Time: Nov 04 15:19:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

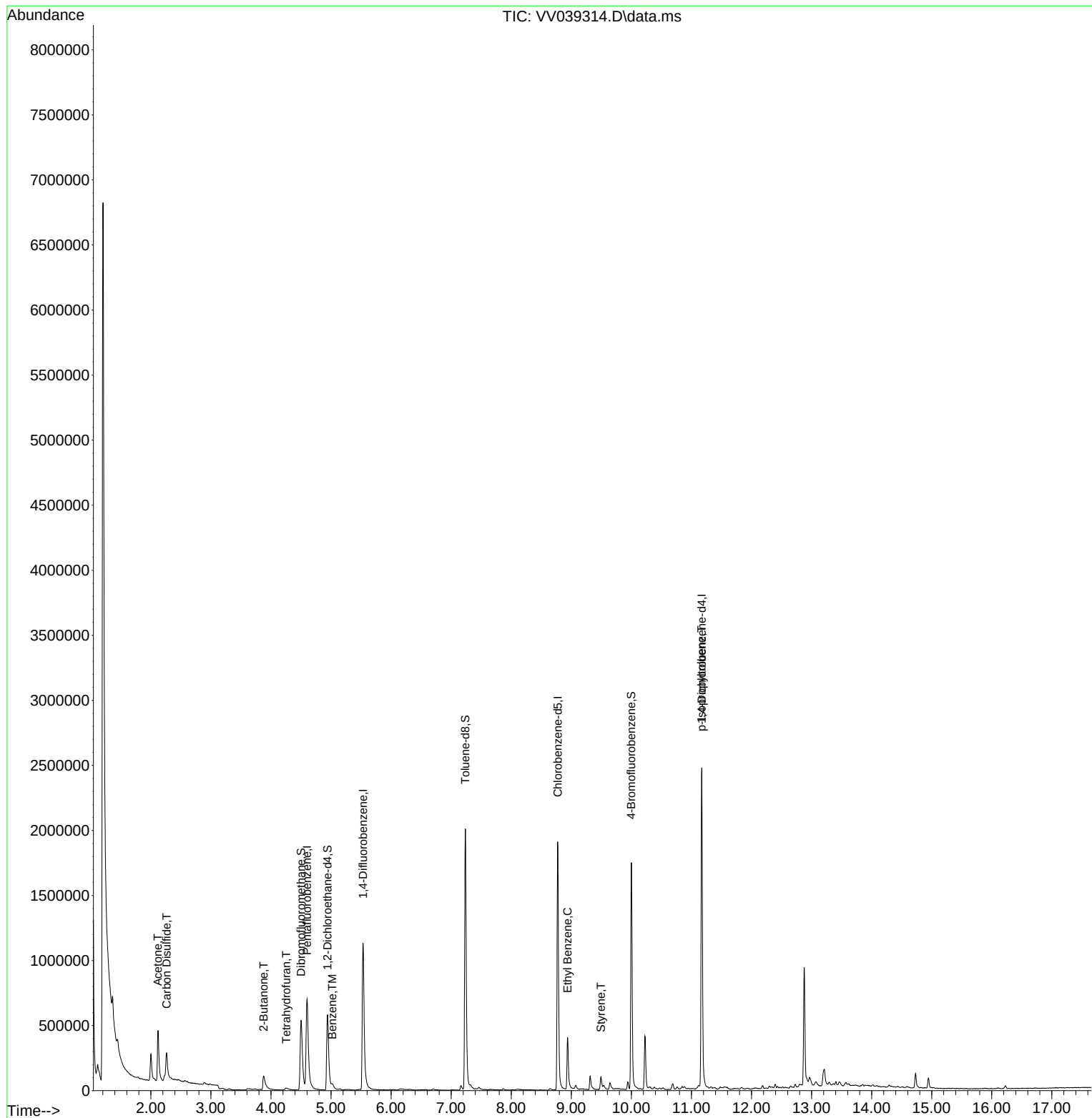
Internal Standards						
1) Pentafluorobenzene	4.600	168	625965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1134067	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1101488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	566986	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	521027	58.578	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 117.160%	
35) Dibromofluoromethane	4.500	113	463593	51.881	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 103.760%	
50) Toluene-d8	7.236	98	1436653	47.260	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 94.520%	
62) 4-Bromofluorobenzene	9.998	95	602013	55.607	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 111.220%	
Target Compounds						
					Qvalue	
16) Acetone	2.117	43	481701	110.818	ug/l	100
17) Carbon Disulfide	2.262	76	535460	22.460	ug/l	98
25) 2-Butanone	3.879	43	213868	39.317	ug/l	98
29) Tetrahydrofuran	4.256	42	9082	2.611	ug/l #	72
40) Benzene	5.021	78	43740	1.215	ug/l	99
67) Ethyl Benzene	8.937	91	293131	7.632	ug/l	99
70) Styrene	9.493	104	57854	2.417	ug/l	94
86) p-Isopropyltoluene	11.169	119	189140	6.068	ug/l	99

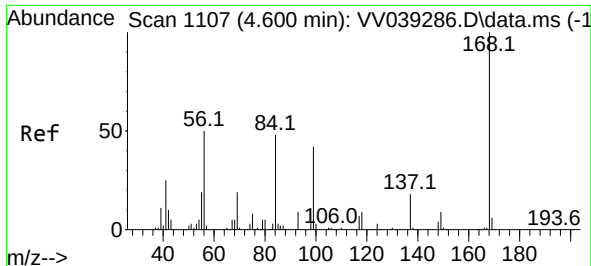
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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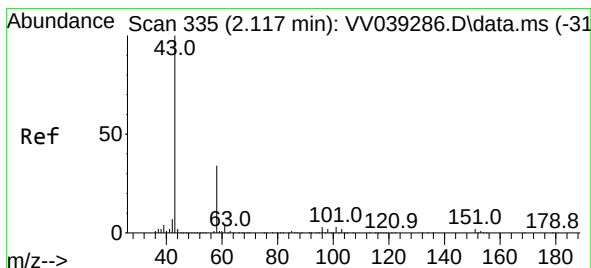
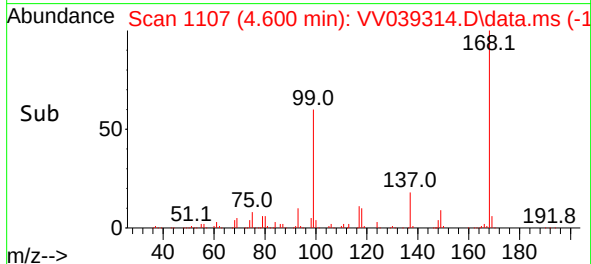
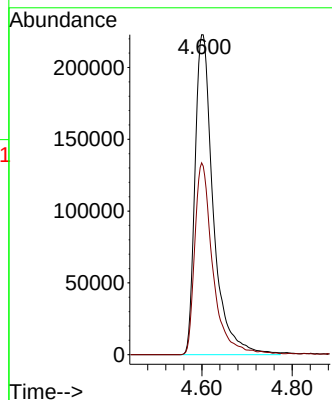
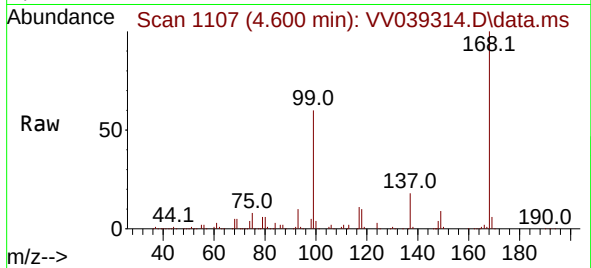




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

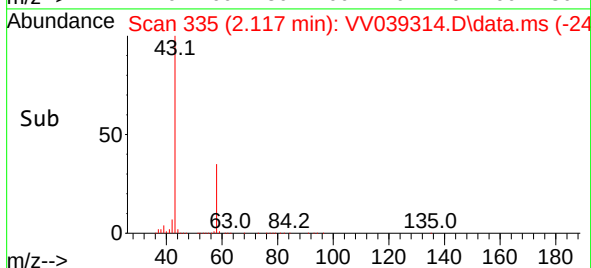
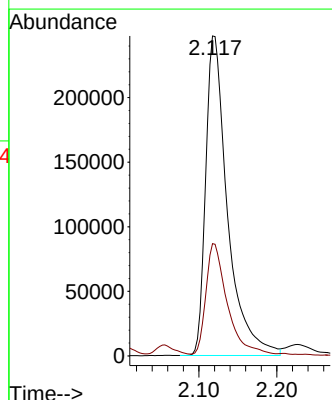
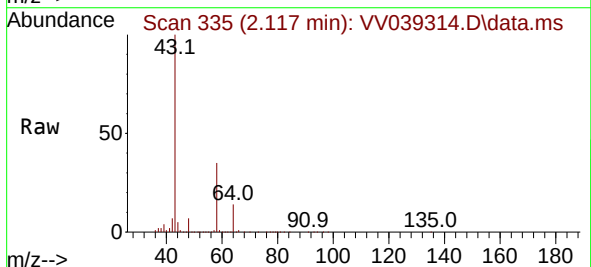
Instrument :
MSVOA_V
ClientSampleId :
TANK-2025

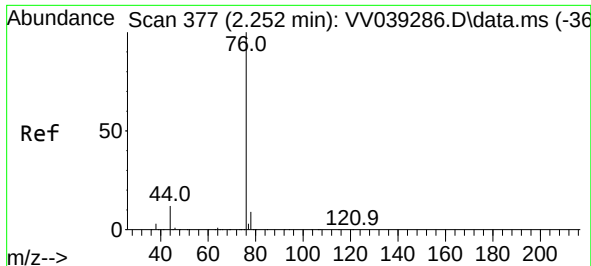
Tgt Ion:168 Resp: 625965
Ion Ratio Lower Upper
168 100
99 60.0 46.6 70.0



#16
Acetone
Concen: 110.818 ug/l
RT: 2.117 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

Tgt Ion: 43 Resp: 481701
Ion Ratio Lower Upper
43 100
58 34.4 27.5 41.3

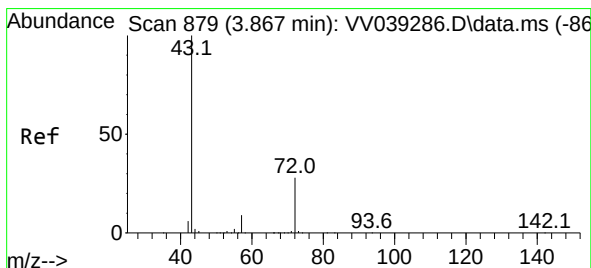
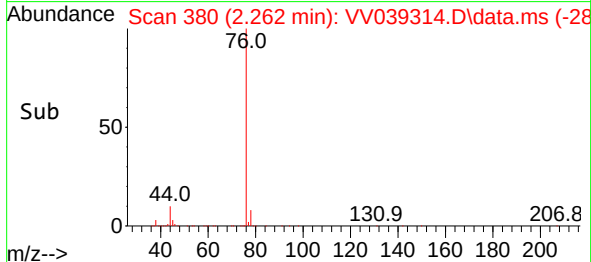
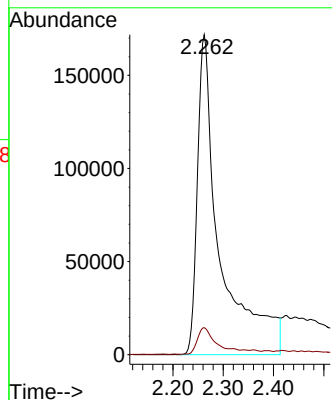
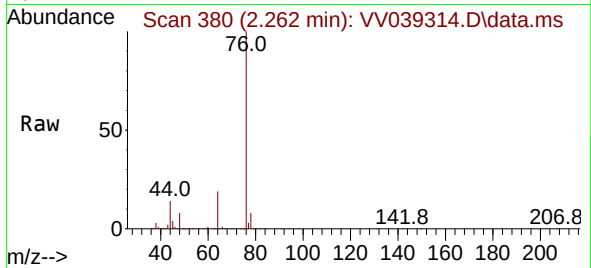




#17
Carbon Disulfide
Concen: 22.460 ug/l
RT: 2.262 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

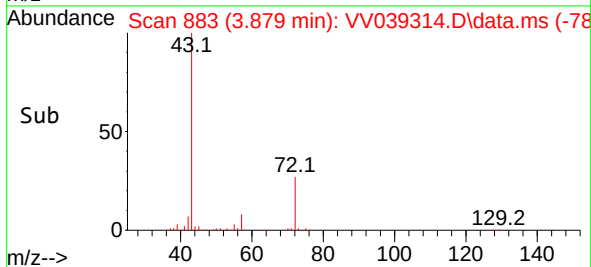
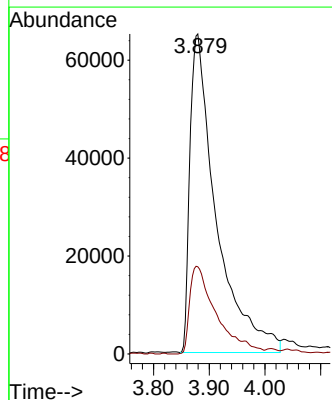
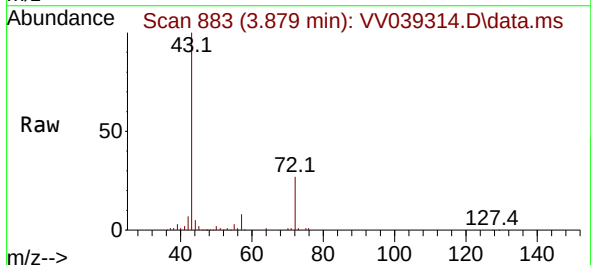
Instrument :
MSVOA_V
ClientSampleId :
TANK-2025

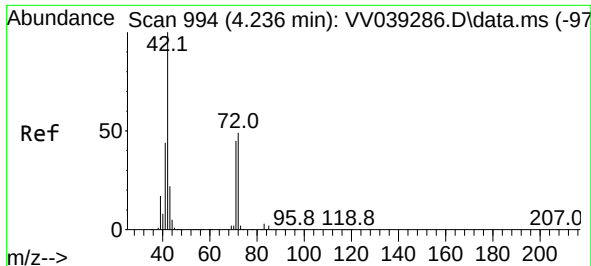
Tgt Ion: 76 Resp: 535460
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#25
2-Butanone
Concen: 39.317 ug/l
RT: 3.879 min Scan# 883
Delta R.T. 0.013 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

Tgt Ion: 43 Resp: 213868
Ion Ratio Lower Upper
43 100
72 27.2 22.6 34.0





#29

Tetrahydrofuran

Concen: 2.611 ug/l

RT: 4.256 min Scan# 1000

Delta R.T. 0.019 min

Lab File: VV039314.D

Acq: 04 Nov 2025 14:56

Instrument :

MSVOA_V

ClientSampleId :

TANK-2025

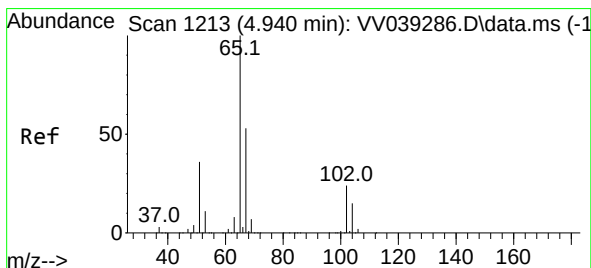
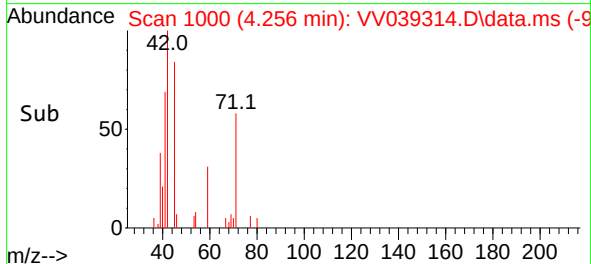
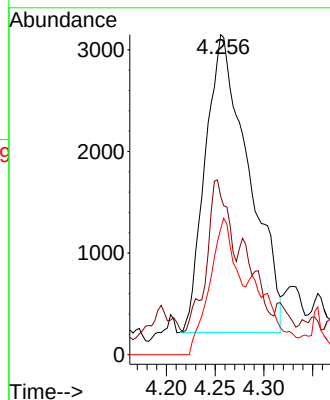
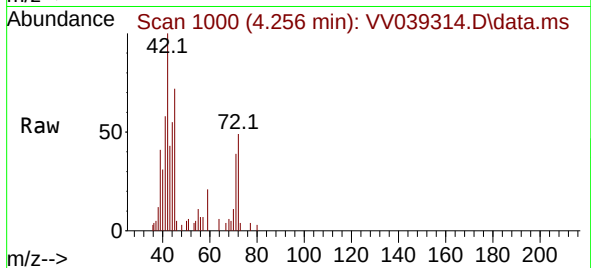
Tgt Ion: 42 Resp: 9082

Ion Ratio Lower Upper

42 100

72 27.8 39.8 59.8#

71 29.3 36.5 54.7#



#33

1,2-Dichloroethane-d4

Concen: 58.578 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039314.D

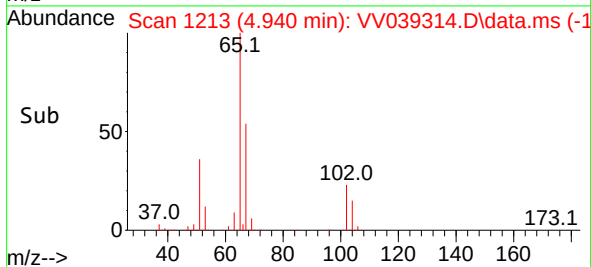
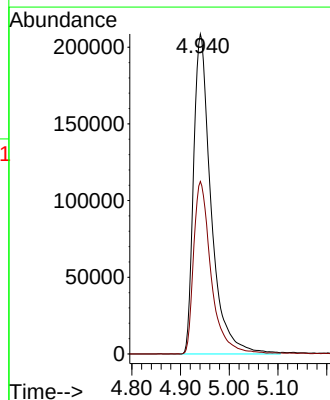
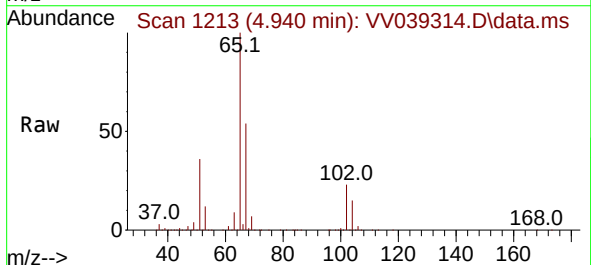
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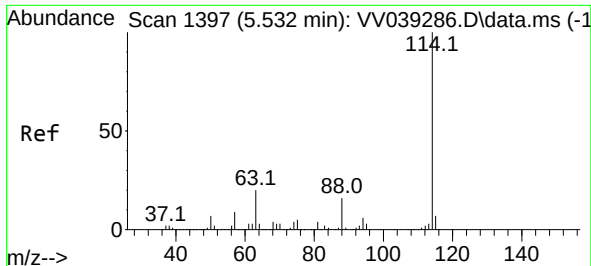
Tgt Ion: 65 Resp: 521027

Ion Ratio Lower Upper

65 100

67 53.9 0.0 108.4

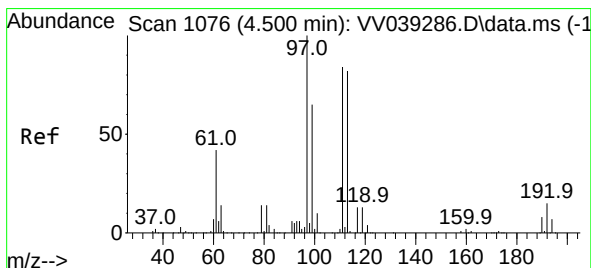
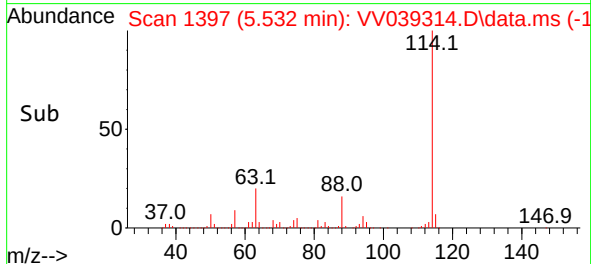
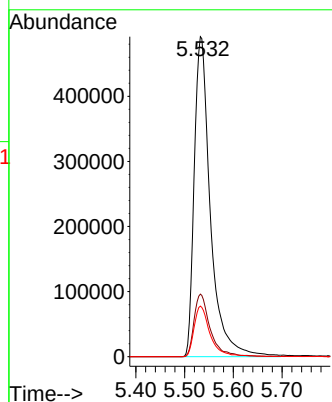
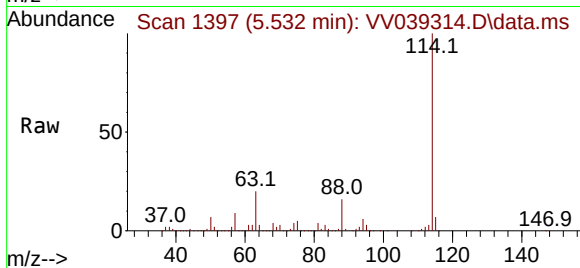




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

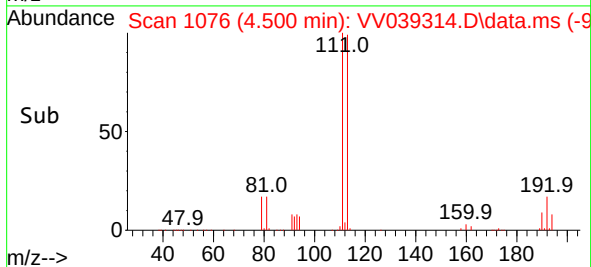
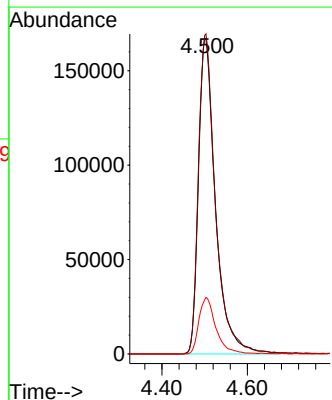
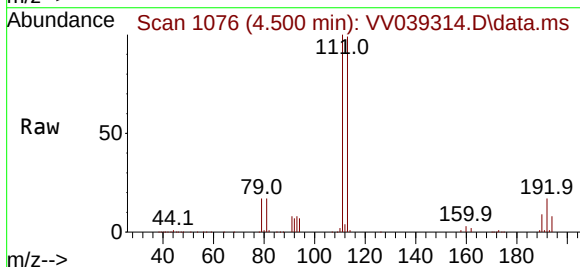
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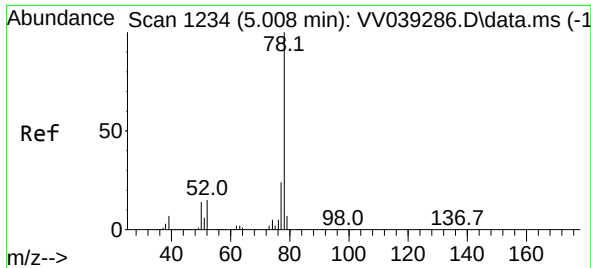
Tgt Ion:114 Resp: 1134067
Ion Ratio Lower Upper
114 100
63 19.5 0.0 39.6
88 15.8 0.0 31.6



#35
Dibromofluoromethane
Concen: 51.881 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

Tgt Ion:113 Resp: 463593
Ion Ratio Lower Upper
113 100
111 101.5 82.0 123.0
192 17.8 14.3 21.5

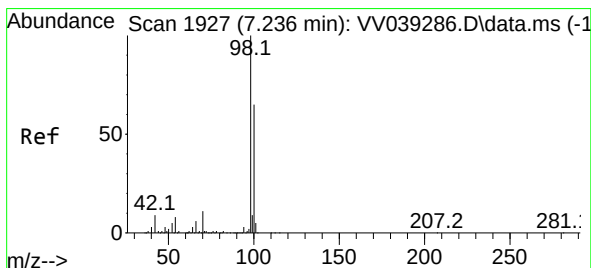
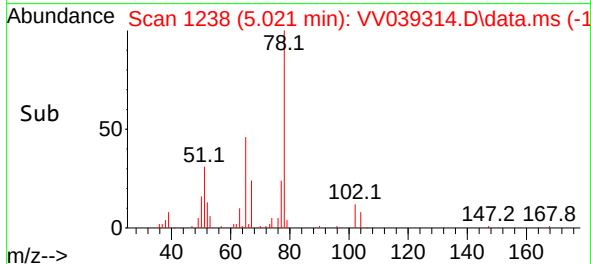
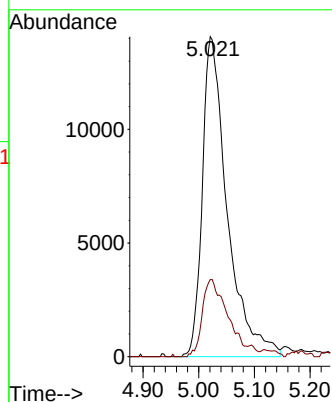
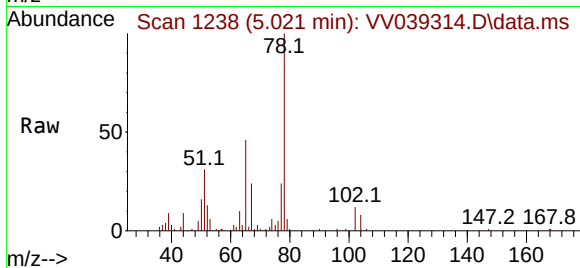




#40
Benzene
Concen: 1.215 ug/l
RT: 5.021 min Scan# 11
Delta R.T. 0.013 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

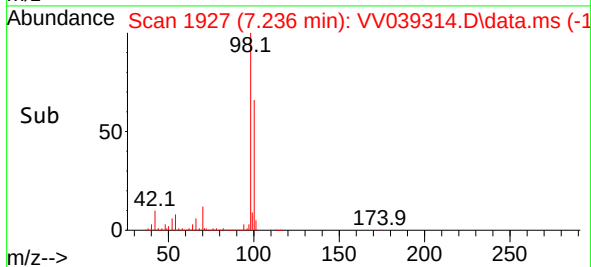
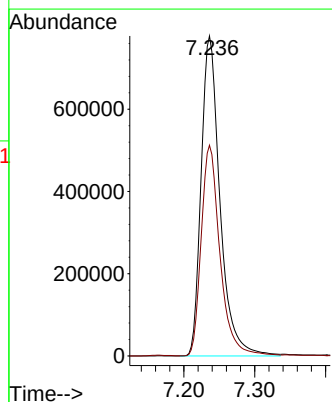
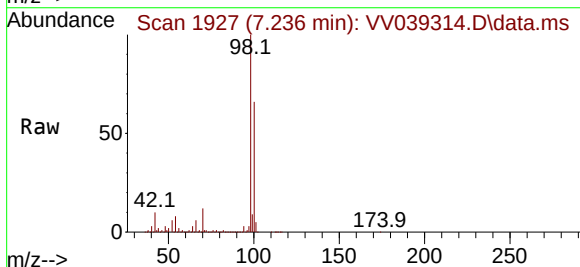
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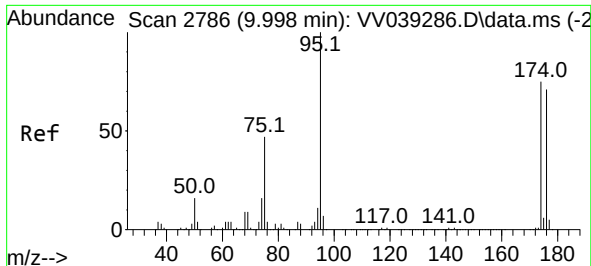
Tgt Ion: 78 Resp: 43740
Ion Ratio Lower Upper
78 100
77 24.1 18.9 28.3



#50
Toluene-d8
Concen: 47.260 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

Tgt Ion: 98 Resp: 1436653
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2

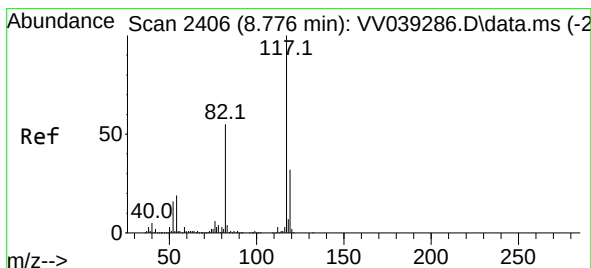
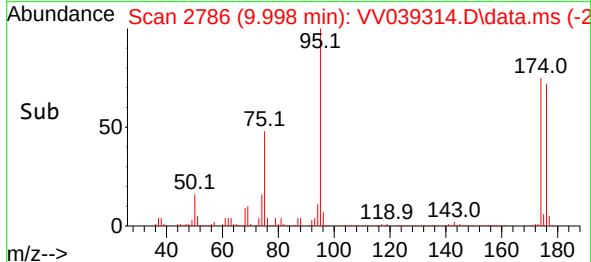
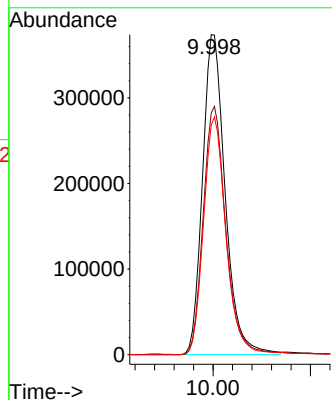
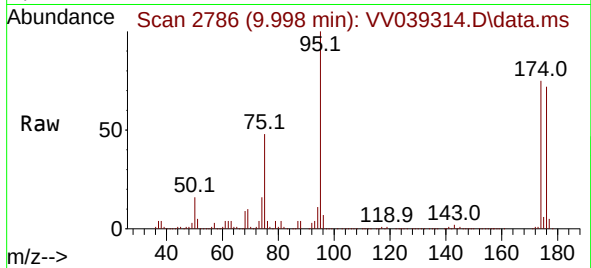




#62
4-Bromofluorobenzene
Concen: 55.607 ug/l
RT: 9.998 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

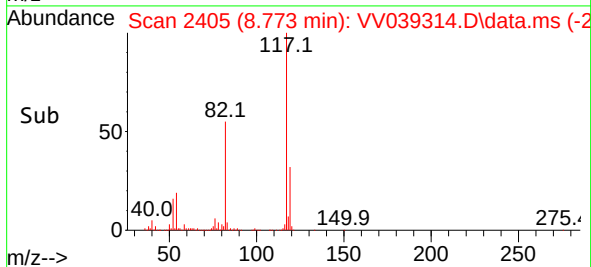
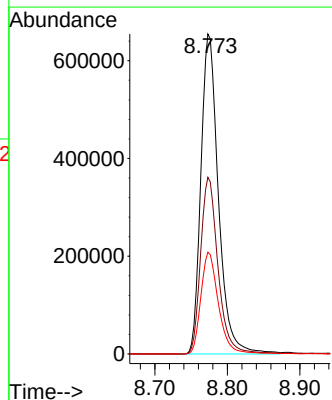
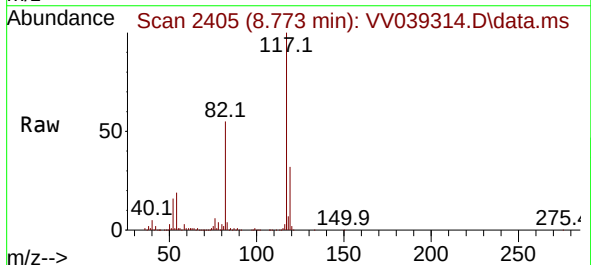
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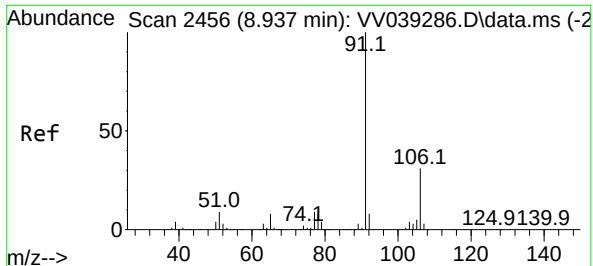
Tgt Ion: 95 Resp: 602013
Ion Ratio Lower Upper
95 100
174 78.2 0.0 153.6
176 74.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039314.D
Acq: 04 Nov 2025 14:56

Tgt Ion: 117 Resp: 1101488
Ion Ratio Lower Upper
117 100
82 55.2 43.8 65.8
119 31.8 25.8 38.6





#67

Ethyl Benzene

Concen: 7.632 ug/l

RT: 8.937 min Scan# 2456

Delta R.T. -0.000 min

Lab File: VV039314.D

Acq: 04 Nov 2025 14:56

Instrument :

MSVOA_V

ClientSampleId :

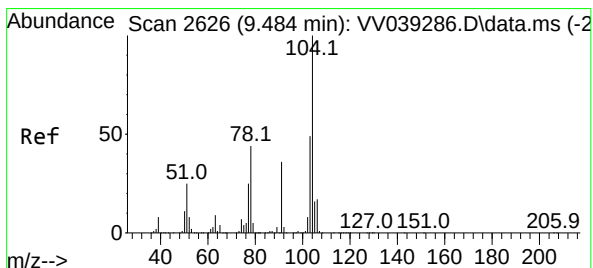
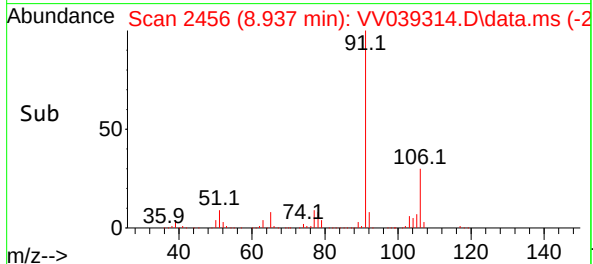
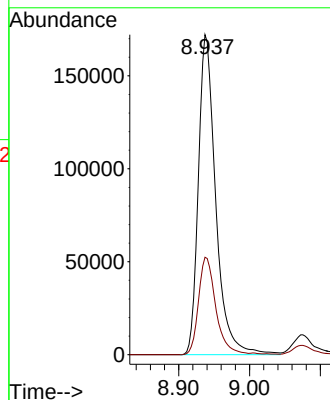
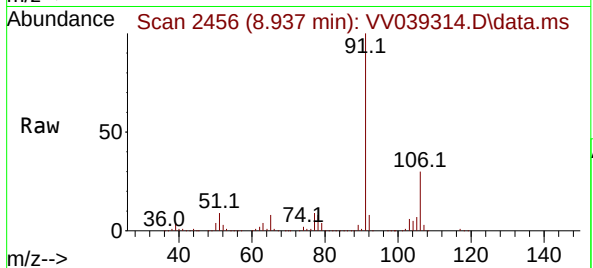
TANK-2025

Tgt Ion: 91 Resp: 293131

Ion Ratio Lower Upper

91 100

106 30.4 24.6 37.0



#70

Styrene

Concen: 2.417 ug/l

RT: 9.493 min Scan# 2629

Delta R.T. 0.010 min

Lab File: VV039314.D

Acq: 04 Nov 2025 14:56

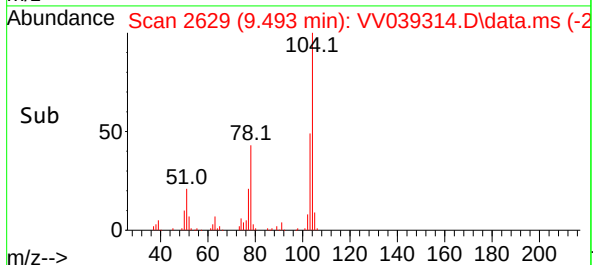
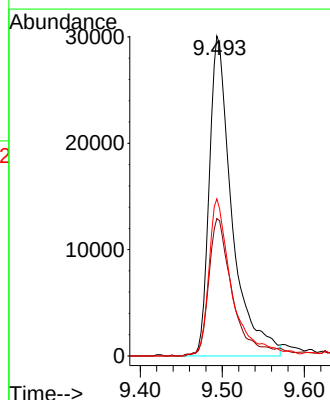
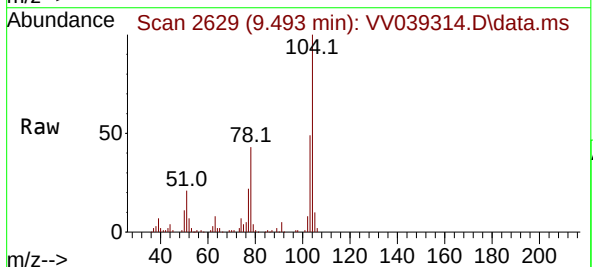
Tgt Ion: 104 Resp: 57854

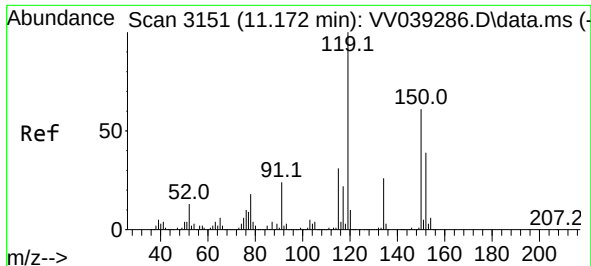
Ion Ratio Lower Upper

104 100

78 44.3 38.9 58.3

103 49.6 42.9 64.3

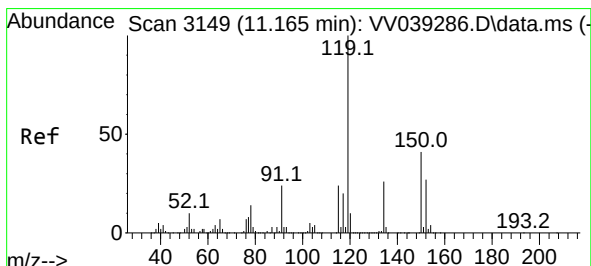
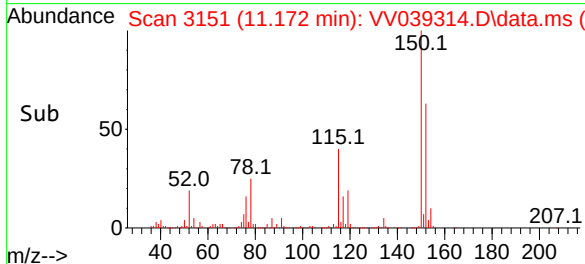
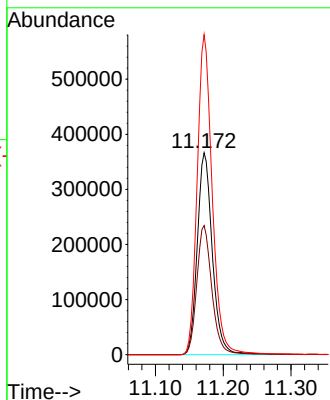
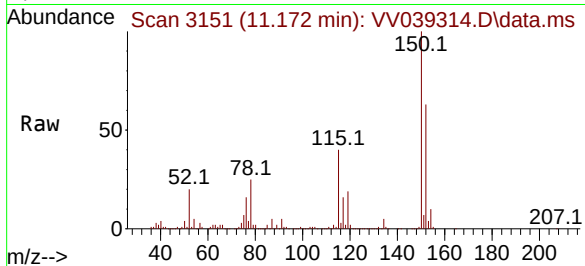




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.172 min Scan# 3151
 Delta R.T. -0.000 min
 Lab File: VV039314.D
 Acq: 04 Nov 2025 14:56

Instrument :
 MSVOA_V
 ClientSampleId :
 TANK-2025

Tgt Ion:152 Resp: 566986
 Ion Ratio Lower Upper
 152 100
 115 64.0 42.3 126.8
 150 158.5 0.0 348.0



#86
 p-Isopropyltoluene
 Concen: 6.068 ug/l
 RT: 11.169 min Scan# 3150
 Delta R.T. 0.003 min
 Lab File: VV039314.D
 Acq: 04 Nov 2025 14:56

Tgt Ion:119 Resp: 189140
 Ion Ratio Lower Upper
 119 100
 134 25.8 12.9 38.6
 91 25.3 12.2 36.4

