

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV071524\
 Data File : VV036527.D
 Acq On : 15 Jul 2024 15:01
 Operator : SY/MD
 Sample : P3215-13
 Misc : 5.02g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

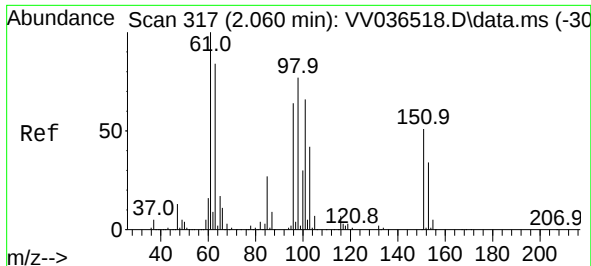
Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 16 01:28:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:25:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	226453	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	94784	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	10712	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	144174	44.438	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 177.760%#	
7) Chloroethane-d5	1.526	69	124218	43.792	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 175.160%#	
11) 1,1-Dichloroethene-d2	2.047	65	55715	33.442	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 133.760%#	
21) 2-Butanone-d5	3.831	46	31019	55.861	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 111.720%	
24) Chloroform-d	4.243	84	230939	35.036	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 140.160%	
26) 1,2-Dichloroethane-d4	4.937	65	105577	32.293	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 129.160%	
32) Benzene-d6	4.953	84	384011	81.210	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 324.840%#	
36) 1,2-Dichloropropane-d6	5.985	67	126953	90.085	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 360.320%#	
41) Toluene-d8	7.243	98	187893	43.065	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 172.240%#	
43) trans-1,3-Dichloroprop...	7.561	79	15705	26.804	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 107.200%	
47) 2-Hexanone-d5	8.034	63	14664	93.688	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 187.380%#	
56) 1,1,2,2-Tetrachloroeth...	10.152	84	73819	62.196	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 248.800%#	
66) 1,2-Dichlorobenzene-d4	11.564	152	14633	40.253	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 161.000%#	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.050	101	1849	0.477	ug/L #	21
12) 1,1-Dichloroethene	2.050	96	1870	0.559	ug/L #	1
14) Carbon disulfide	2.230	76	7811	1.040	ug/L	99
15) Methyl Acetate	2.400	43	390	0.368	ug/L #	78
16) Methylene chloride	2.442	84	33150	7.120	ug/L	93
25) Chloroform	4.275	83	6796	1.040	ug/L	97
27) 1,2-Dichloroethane	4.953	62	2283	0.622	ug/L #	93
33) Benzene	4.957	78	3094	0.660	ug/L	100
61) 1,2,3-Trichloropropane	11.191	75	832	4.365	ug/L #	46
62) 1,3,5-Trimethylbenzene	10.484	105	227	0.296	ug/L #	27
71) Naphthalene	13.461	128	512	0.875	ug/L #	85

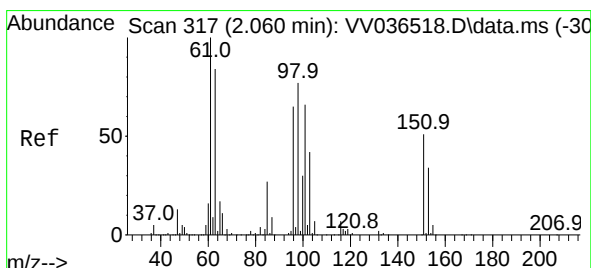
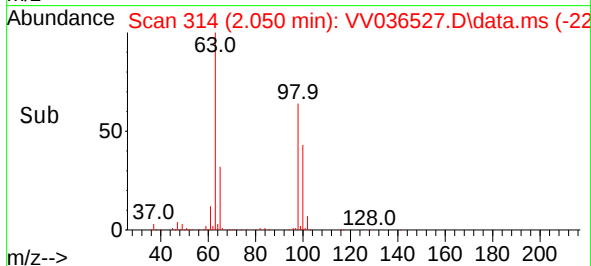
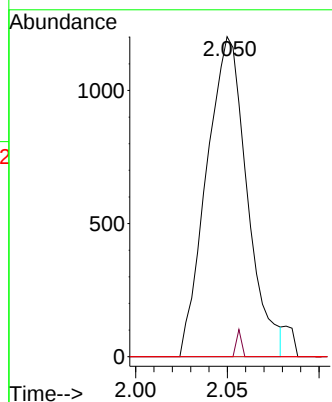
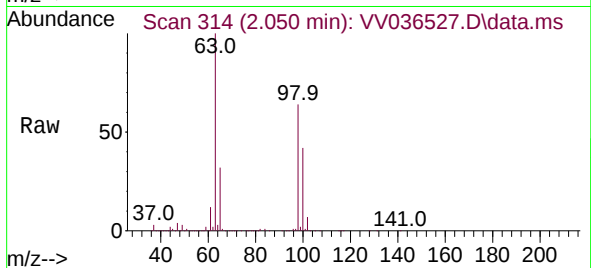
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.477 ug/L
RT: 2.050 min Scan# 314
Delta R.T. -0.010 min
Lab File: VV036527.D
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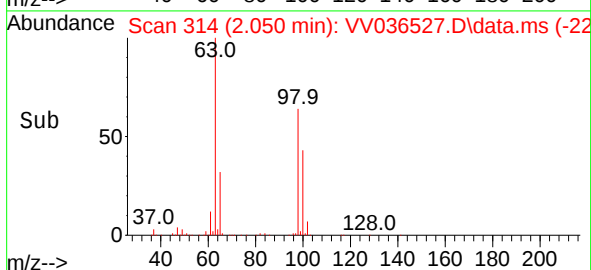
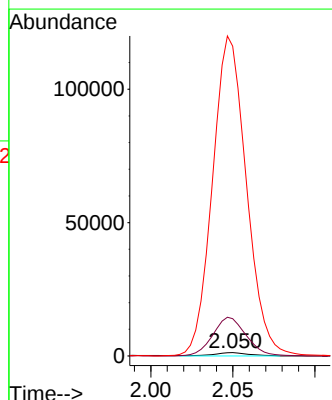
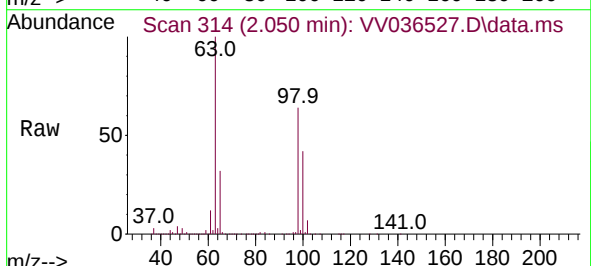
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MSVOA_V
ClientSampleId :

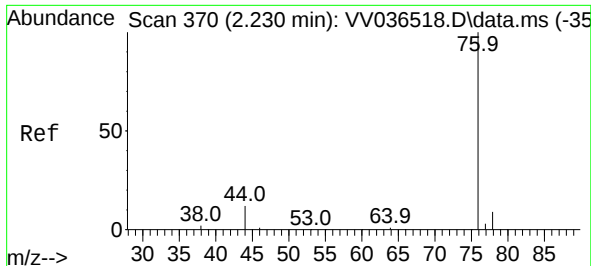
Tgt Ion:101 Resp: 1849
Ion Ratio Lower Upper
101 100
85 2.3 32.5 48.7#
151 2.1 62.6 94.0#



#12
1,1-Dichloroethene
Concen: 0.559 ug/L
RT: 2.050 min Scan# 314
Delta R.T. -0.010 min
Lab File: VV036527.D
Acq: 15 Jul 2024 15:01

Tgt Ion: 96 Resp: 1870
Ion Ratio Lower Upper
96 100
61 1129.0 110.8 205.8#
63 9397.4 103.9 192.9#

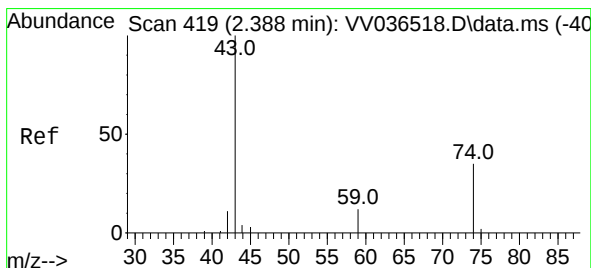
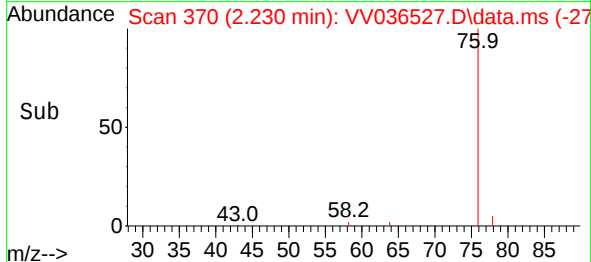
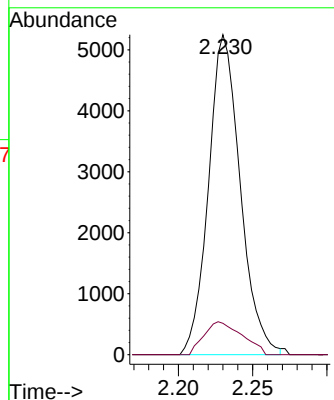
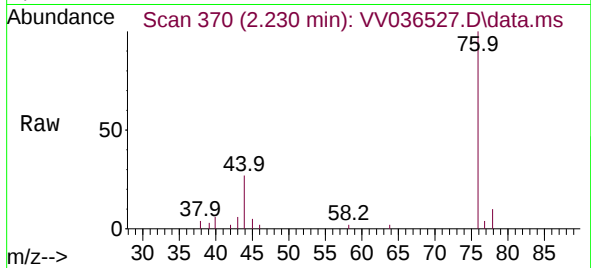




#14
Carbon disulfide
Concen: 1.040 ug/L
RT: 2.230 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV036527.D
Acq: 15 Jul 2024 15:01

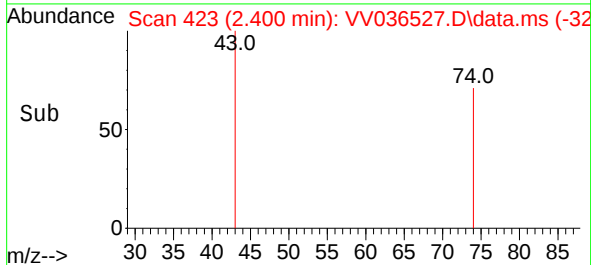
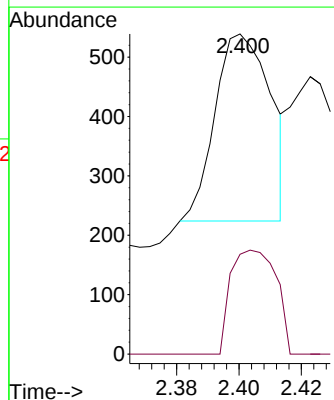
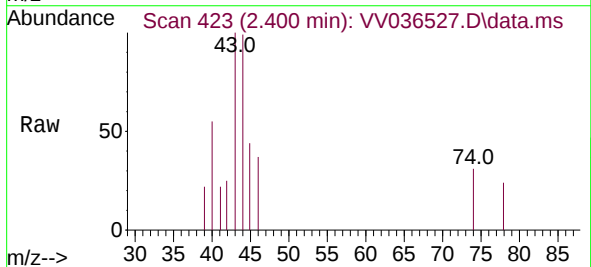
Instrument :
MSVOA_V
ClientSampleId :

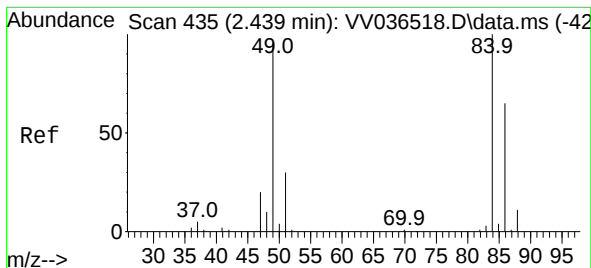
Tgt Ion: 76 Resp: 7811
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.2



#15
Methyl Acetate
Concen: 0.368 ug/L
RT: 2.400 min Scan# 423
Delta R.T. 0.013 min
Lab File: VV036527.D
Acq: 15 Jul 2024 15:01

Tgt Ion: 43 Resp: 390
Ion Ratio Lower Upper
43 100
74 45.4 26.3 39.5#





#16

Methylene chloride

Concen: 7.120 ug/L

RT: 2.442 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV036527.D

Acq: 15 Jul 2024 15:01

Instrument :

MSVOA_V

ClientSampleId :

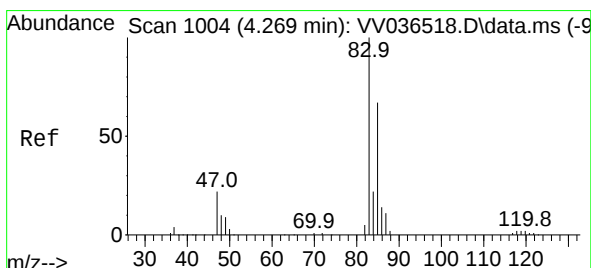
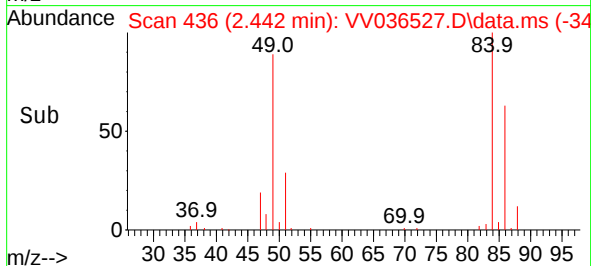
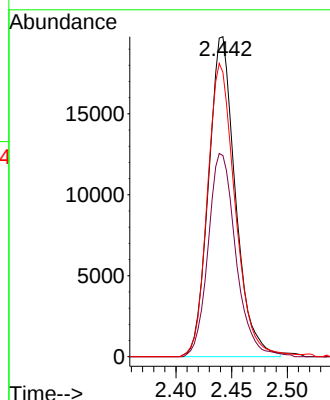
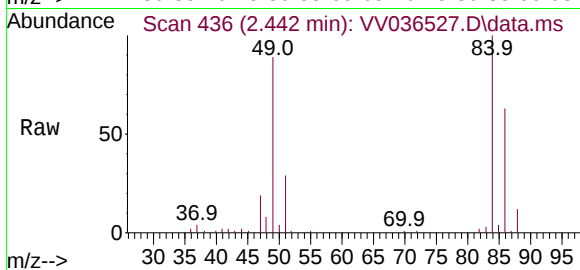
Tgt Ion: 84 Resp: 33150

Ion Ratio Lower Upper

84 100

86 62.8 46.3 86.1

49 88.8 68.1 126.5



#25

Chloroform

Concen: 1.040 ug/L

RT: 4.275 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV036527.D

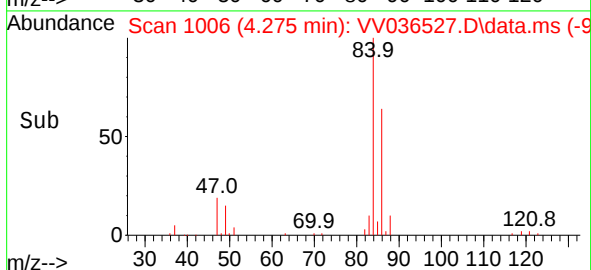
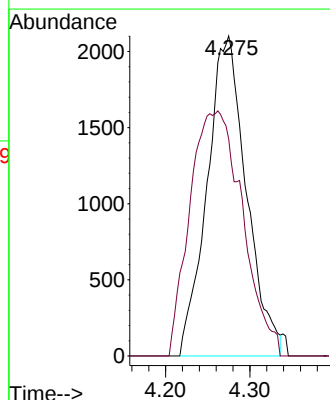
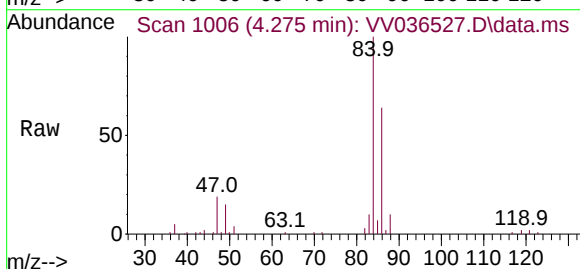
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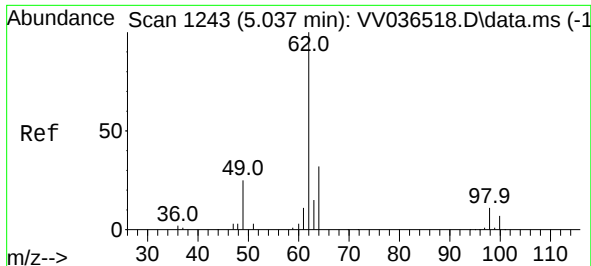
Tgt Ion: 83 Resp: 6796

Ion Ratio Lower Upper

83 100

85 67.8 45.6 84.6

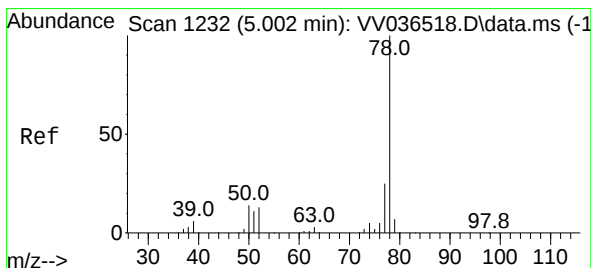
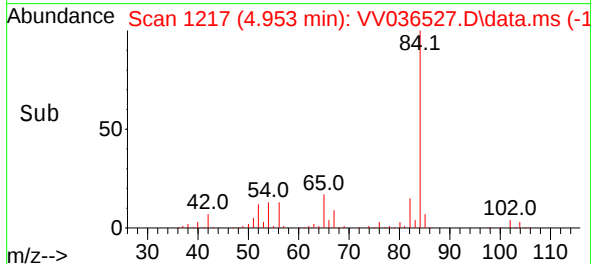
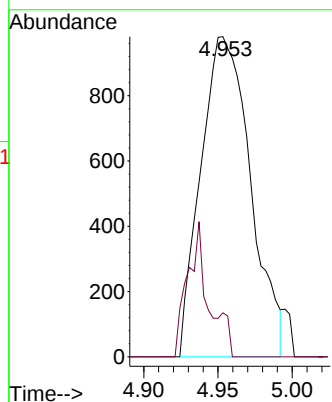
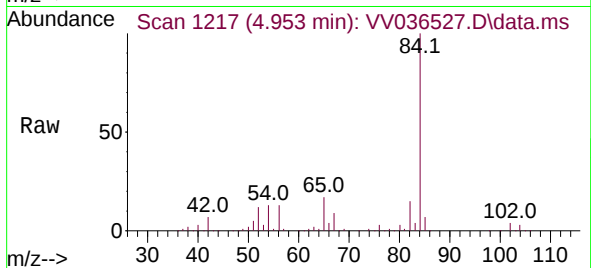




#27
1,2-Dichloroethane
Concen: 0.622 ug/L
RT: 4.953 min Scan# 1217
Delta R.T. -0.084 min
Lab File: VV036527.D
Acq: 15 Jul 2024 15:01

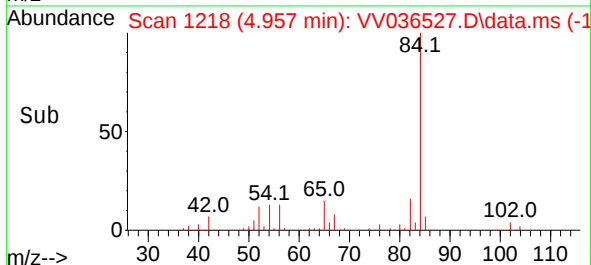
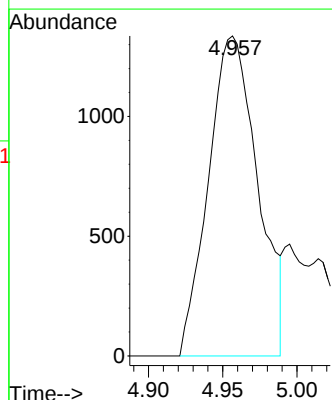
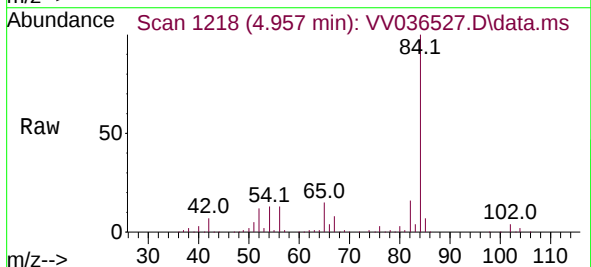
Instrument :
MSVOA_V
ClientSampleId :

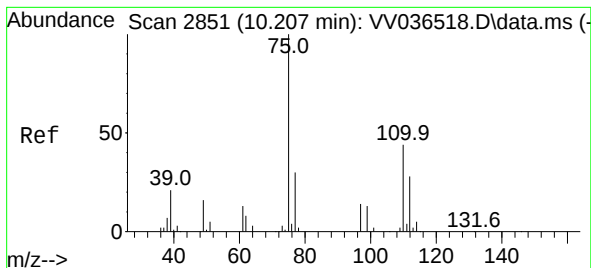
Tgt Ion: 62 Resp: 2283
Ion Ratio Lower Upper
62 100
98 13.8 8.9 13.3#



#33
Benzene
Concen: 0.660 ug/L
RT: 4.957 min Scan# 1218
Delta R.T. -0.045 min
Lab File: VV036527.D
Acq: 15 Jul 2024 15:01

Tgt Ion: 78 Resp: 3094





#61

1,2,3-Trichloropropane

Concen: 4.365 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.984 min

Lab File: VV036527.D

Acq: 15 Jul 2024 15:01

Instrument :

MSVOA_V

ClientSampleId :

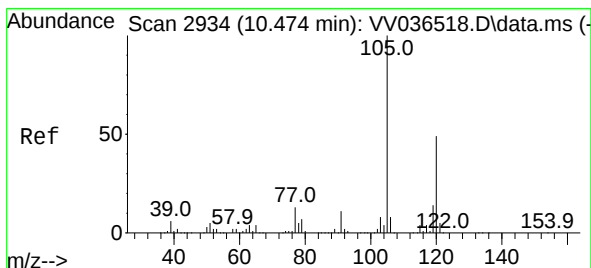
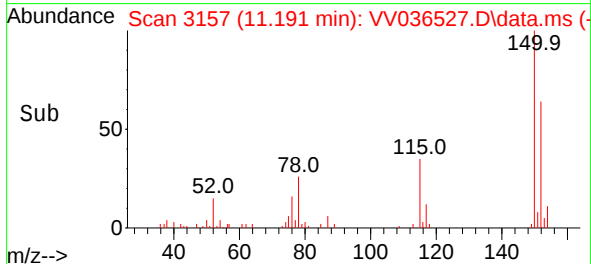
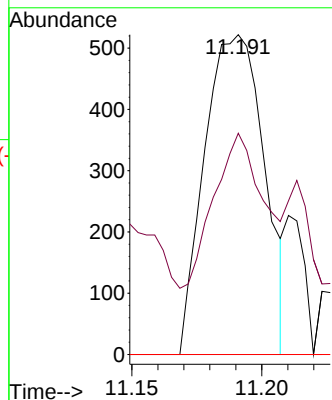
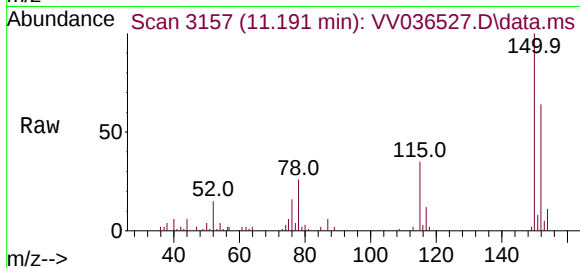
Tgt Ion: 75 Resp: 832

Ion Ratio Lower Upper

75 100

77 52.0 25.6 38.4#

110 0.0 34.8 52.2#



#62

1,3,5-Trimethylbenzene

Concen: 0.296 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.009 min

Lab File: VV036527.D

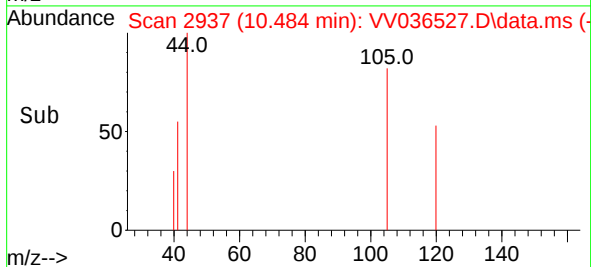
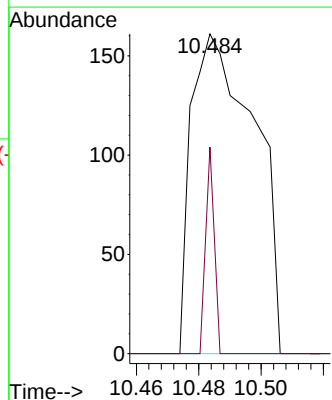
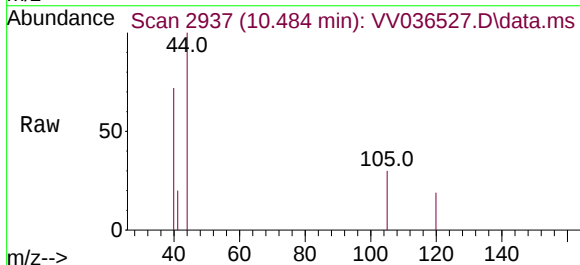
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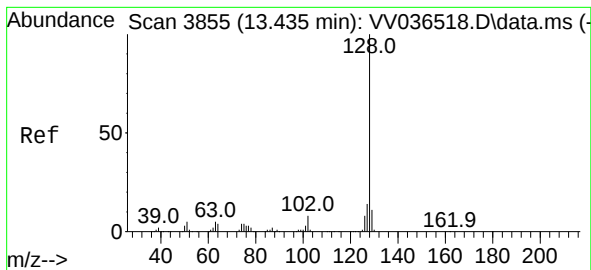
Tgt Ion:105 Resp: 227

Ion Ratio Lower Upper

105 100

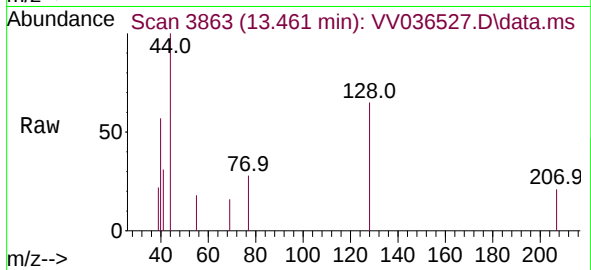
120 0.0 39.9 59.9#





#71
Naphthalene
Concen: 0.875 ug/L
RT: 13.461 min Scan# 3863
Delta R.T. 0.026 min
Lab File: VV036527.D
Acq: 15 Jul 2024 15:01

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 512
Ion Ratio Lower Upper
128 100
127 15.0 10.8 16.2
129 0.0 8.6 13.0#

