

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
 Data File : VU049989.D
 Acq On : 28 Jul 2022 16:46
 Operator : SY/MD
 Sample : N3873-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GBJ27RE

Quant Time: Jul 29 02:37:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR072722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 29 02:27:55 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	63028	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	60199	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	22869	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	27533	5.088	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 101.800%	
7) Chloroethane-d5	1.909	69	20501	5.274	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 105.400%	
11) 1,1-Dichloroethene-d2	2.565	65	9973	5.347	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 107.000%	
20) 2-Butanone-d5	4.626	46	91384	75.860	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	= 151.720%#	
24) Chloroform-d	5.067	84	45283	5.057	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 101.200%	
26) 1,2-Dichloroethane-d4	5.703	65	26812	5.942	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 118.800%	
32) Benzene-d6	5.729	84	89599	5.037	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 100.800%	
36) 1,2-Dichloropropane-d6	6.694	67	30739	5.275	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 105.400%	
41) Toluene-d8	7.899	98	71794	4.541	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 90.800%	
43) trans-1,3-Dichloroprop...	8.182	79	11173	5.470	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 109.400%	
46) 2-Hexanone-d5	8.636	63	50873	66.536	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 133.080%#	
56) 1,1,2,2-Tetrachloroeth...	10.758	84	33077	6.755	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 135.200%#	
66) 1,2-Dichlorobenzene-d4	12.195	152	23049	5.434	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 108.600%	
Target Compounds						
					Qvalue	
8) Chloroethane	1.932	64	2753	0.896	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	317	0.084	ug/L #	34
12) 1,1-Dichloroethene	2.578	96	36461	10.482	ug/L	87
14) Carbon disulfide	2.790	76	1851	0.175	ug/L #	75
15) Methyl Acetate	3.044	43	2074	1.181	ug/L #	48
19) 1,1-Dichloroethane	3.871	63	65366	8.334	ug/L	99
27) 1,2-Dichloroethane	5.806	62	859	0.175	ug/L #	73
29) 1,1,1-Trichloroethane	5.317	97	11555	1.808	ug/L	98
30) Cyclohexane	5.388	56	816	0.151	ug/L	97
31) Carbon tetrachloride	5.321	117	1378	0.265	ug/L	89
33) Benzene	5.774	78	2181	0.124	ug/L	100
35) Methylcyclohexane	6.764	83	1517	0.269	ug/L	91
37) 1,2-Dichloropropane	6.694	63	2908	0.601	ug/L #	88
39) cis-1,3-Dichloropropene	7.562	75	655	0.105	ug/L #	22
48) 2-Hexanone	8.684	43	13963	6.547	ug/L #	93
49) Dibromochloromethane	8.559	129	693	0.175	ug/L #	10
61) 1,2,3-Trichloropropane	11.816	75	3117	1.174	ug/L #	66
65) 1,4-Dichlorobenzene	11.841	146	778	0.122	ug/L	95
71) Naphthalene	14.099	128	1041	0.141	ug/L #	69

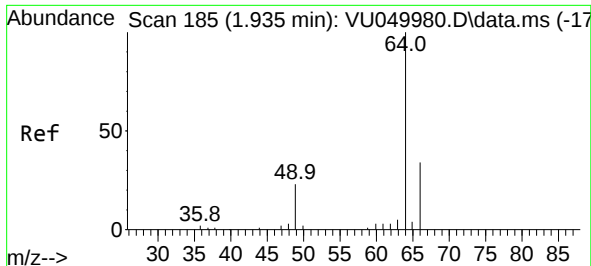
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072822\
Data File : VU049989.D
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

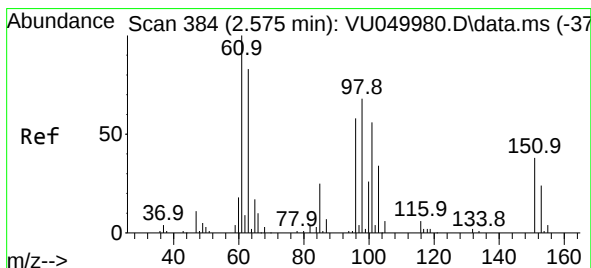
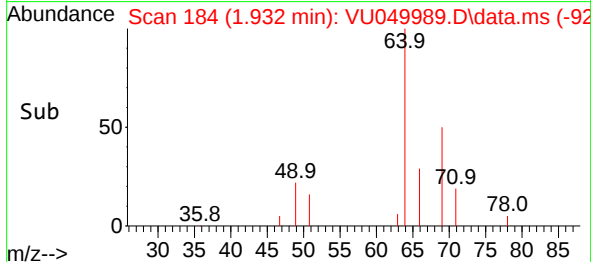
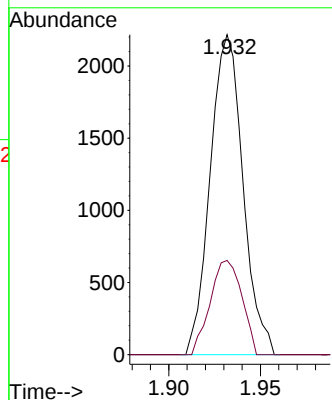
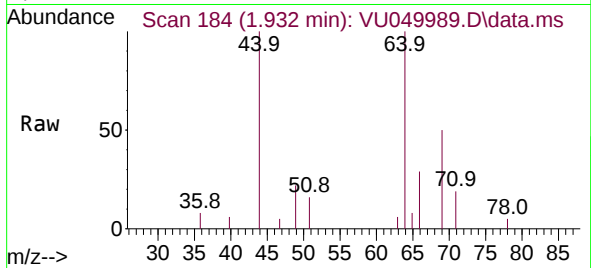
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.896 ug/L
RT: 1.932 min Scan# 184
Delta R.T. -0.003 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

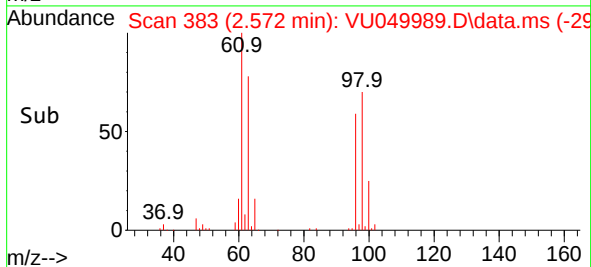
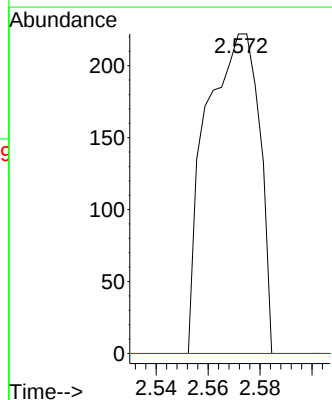
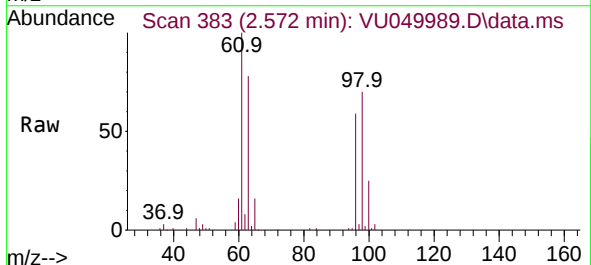
Instrument :
MSVOA_U
ClientSampleId :
GBJ27RE

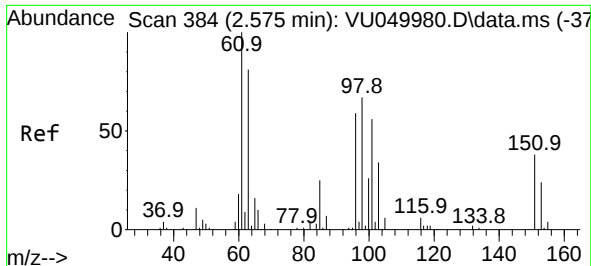
Tgt Ion: 64 Resp: 2753
Ion Ratio Lower Upper
64 100
66 29.5 21.4 39.8



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.084 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.003 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

Tgt Ion: 101 Resp: 317
Ion Ratio Lower Upper
101 100
85 21.1 34.1 51.1#
151 0.0 56.6 85.0#





#12

1,1-Dichloroethene

Concen: 10.482 ug/L

RT: 2.578 min Scan# 3

Delta R.T. 0.003 min

Lab File: VU049989.D

Acq: 28 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

GBJ27RE

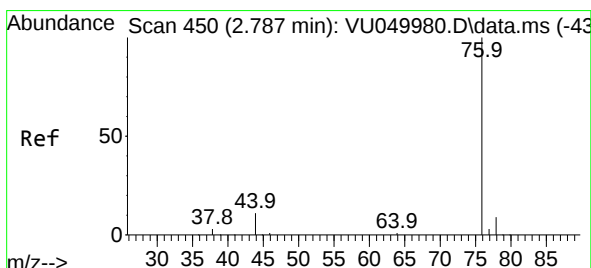
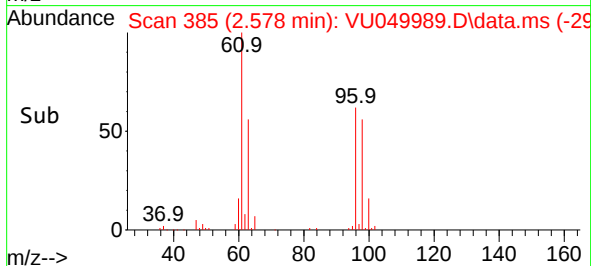
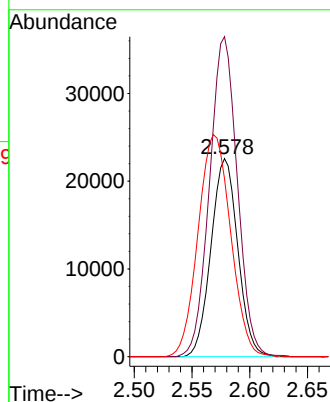
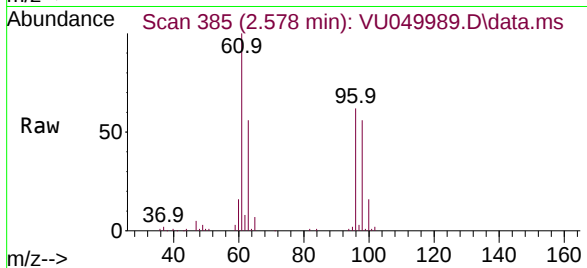
Tgt Ion: 96 Resp: 36461

Ion Ratio Lower Upper

96 100

61 161.6 115.7 214.9

63 89.9 84.8 157.4



#14

Carbon disulfide

Concen: 0.175 ug/L

RT: 2.790 min Scan# 451

Delta R.T. 0.003 min

Lab File: VU049989.D

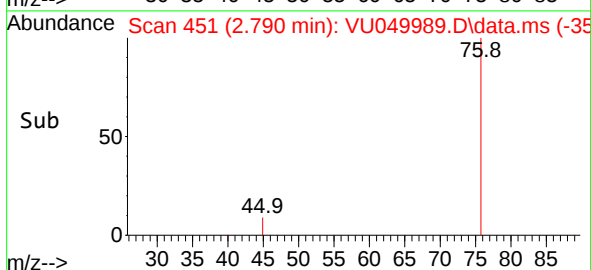
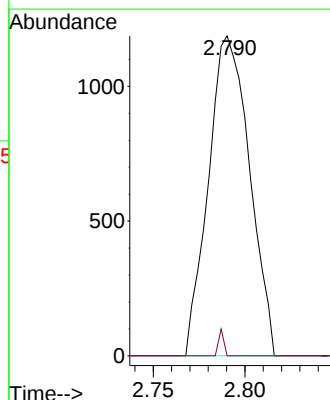
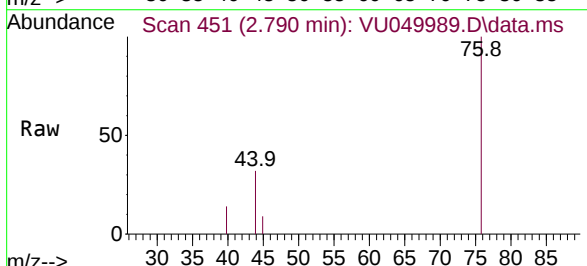
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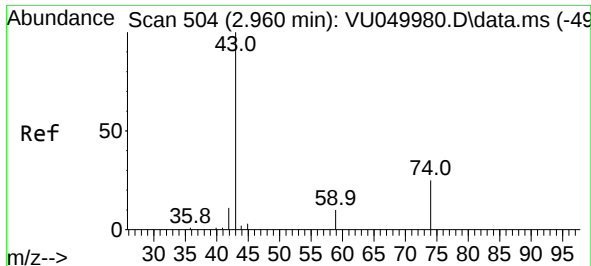
Tgt Ion: 76 Resp: 1851

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#

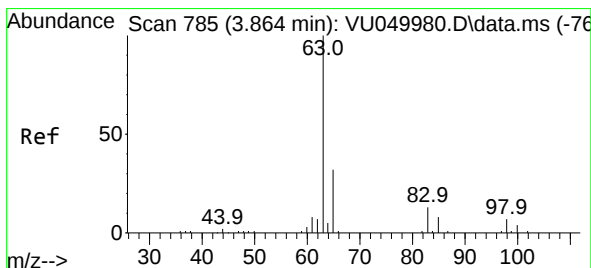
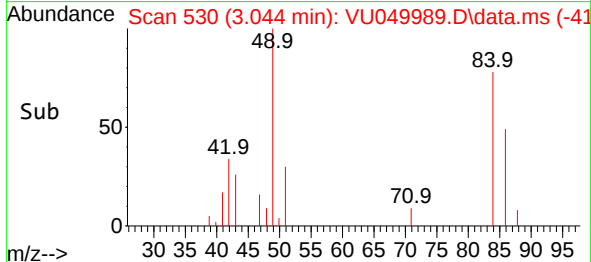
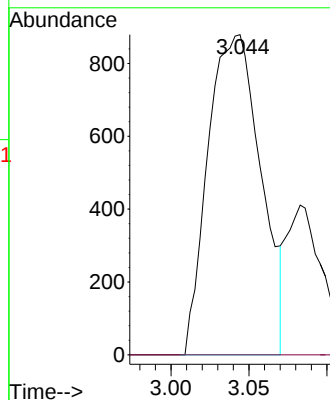
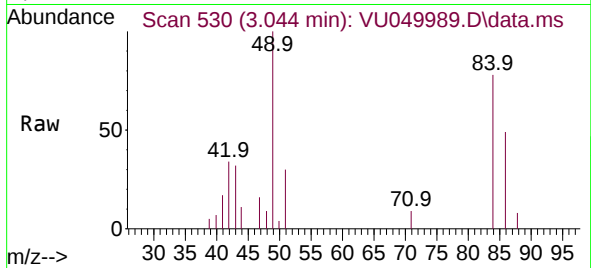




#15
Methyl Acetate
Concen: 1.181 ug/L
RT: 3.044 min Scan# 51
Delta R.T. 0.084 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

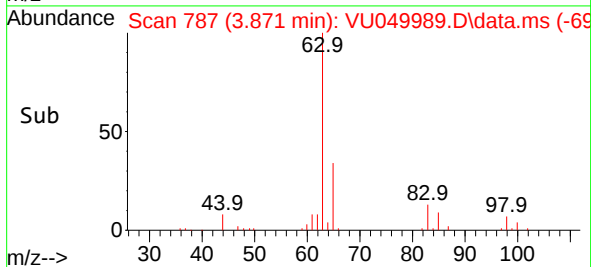
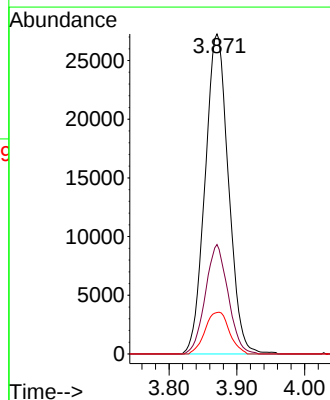
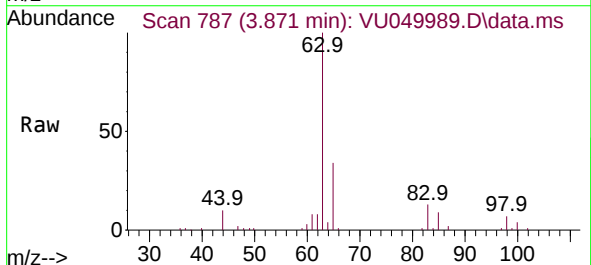
Instrument :
MSVOA_U
ClientSampleId :
GBJ27RE

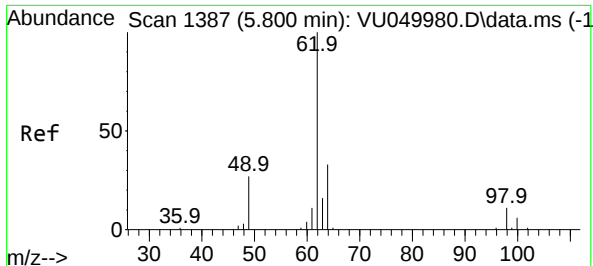
Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#



#19
1,1-Dichloroethane
Concen: 8.334 ug/L
RT: 3.871 min Scan# 787
Delta R.T. 0.007 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

Tgt Ion: 63 Resp: 65366
Ion Ratio Lower Upper
63 100
65 34.2 23.4 43.6
83 13.0 9.4 17.4





#27

1,2-Dichloroethane

Concen: 0.175 ug/L

RT: 5.806 min Scan# 11

Delta R.T. 0.007 min

Lab File: VU049989.D

Acq: 28 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

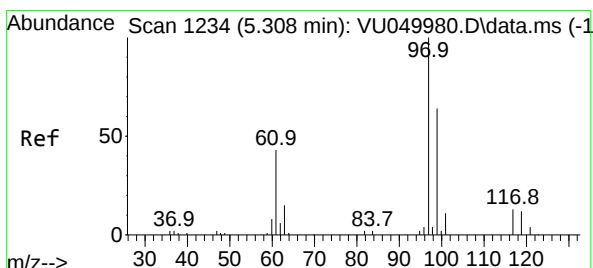
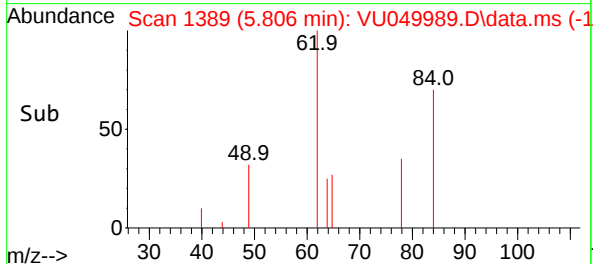
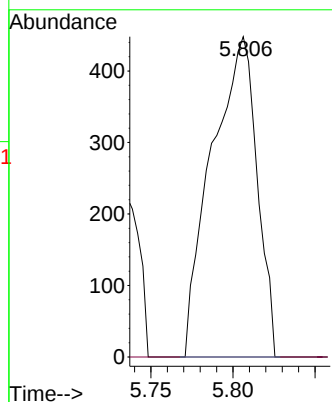
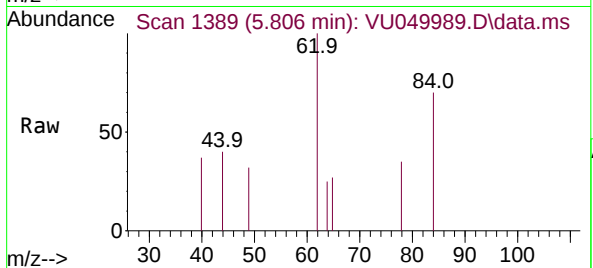
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Tgt Ion: 62 Resp: 859

Ion Ratio Lower Upper

62 100

98 0.0 7.9 11.9#



#29

1,1,1-Trichloroethane

Concen: 1.808 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. 0.010 min

Lab File: VU049989.D

Acq: 28 Jul 2022 16:46

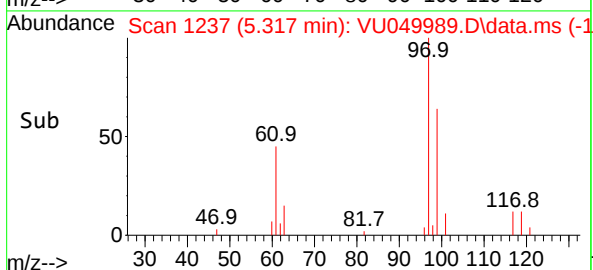
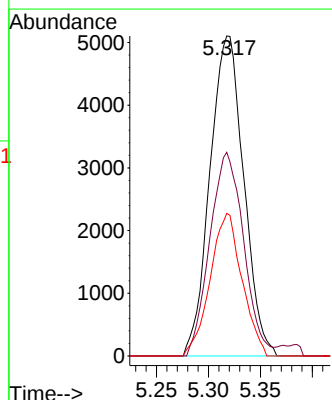
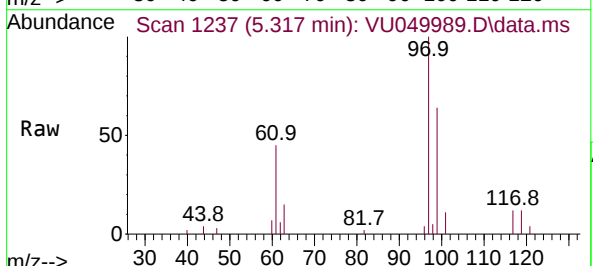
Tgt Ion: 97 Resp: 11555

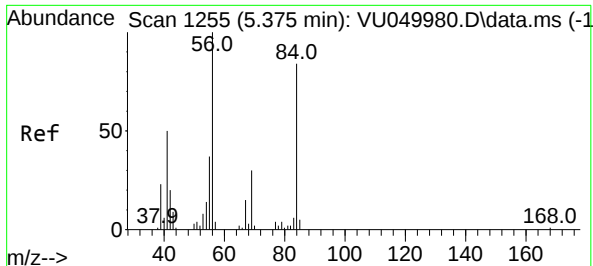
Ion Ratio Lower Upper

97 100

99 63.7 52.0 78.0

61 41.9 35.0 52.6

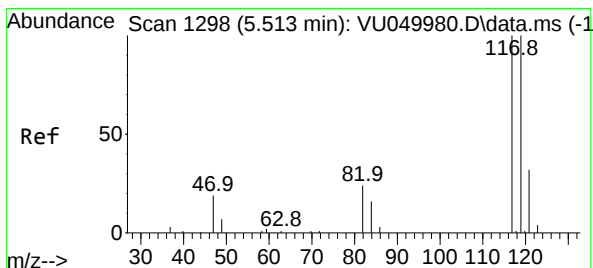
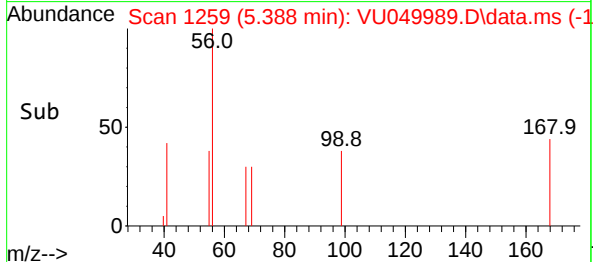
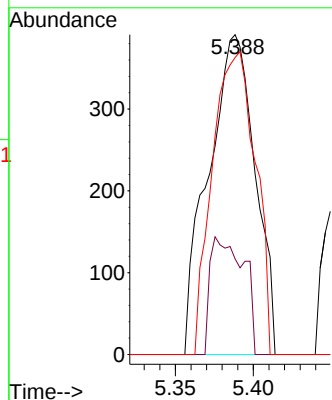
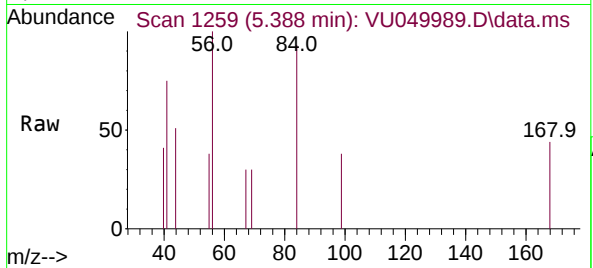




#30
Cyclohexane
Concen: 0.151 ug/L
RT: 5.388 min Scan# 1259
Delta R.T. 0.013 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

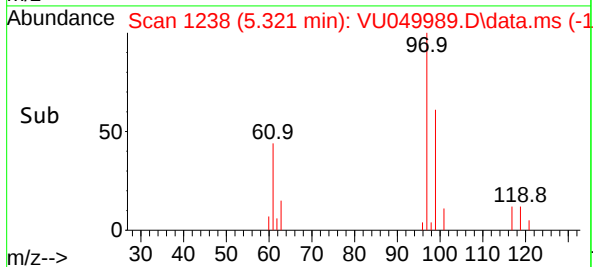
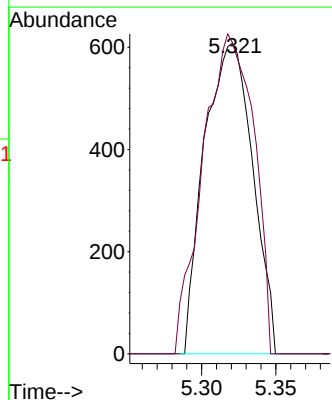
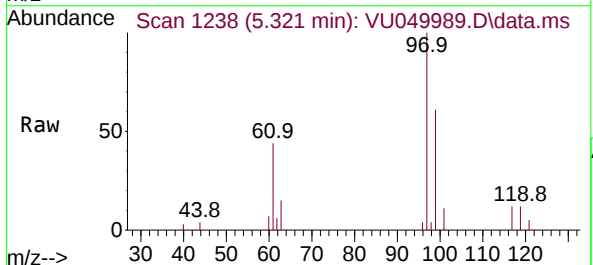
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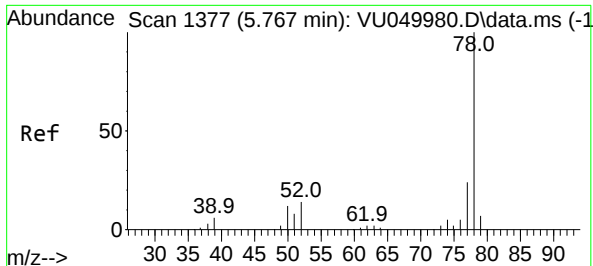
Tgt Ion: 56 Resp: 816
Ion Ratio Lower Upper
56 100
69 26.1 25.1 37.7
84 86.6 70.1 105.1



#31
Carbon tetrachloride
Concen: 0.265 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.193 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

Tgt Ion: 117 Resp: 1378
Ion Ratio Lower Upper
117 100
119 108.2 77.8 116.6

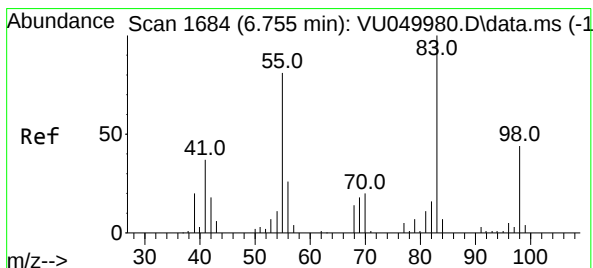
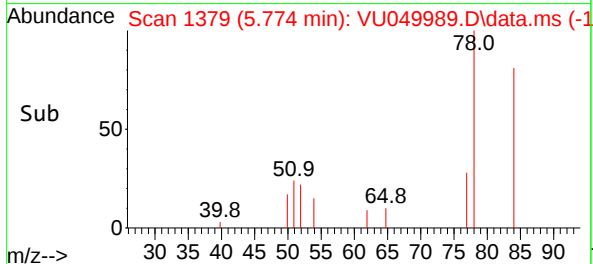
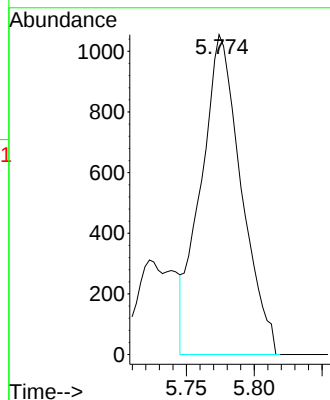
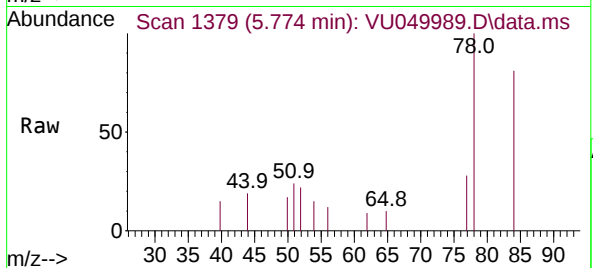




#33
Benzene
Concen: 0.124 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.007 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

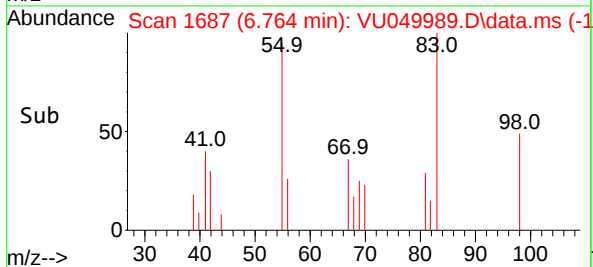
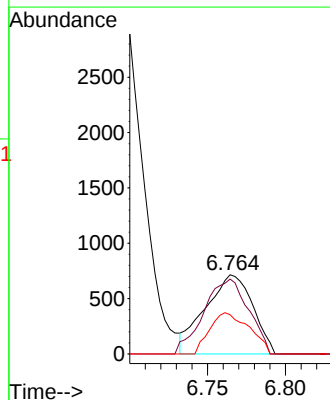
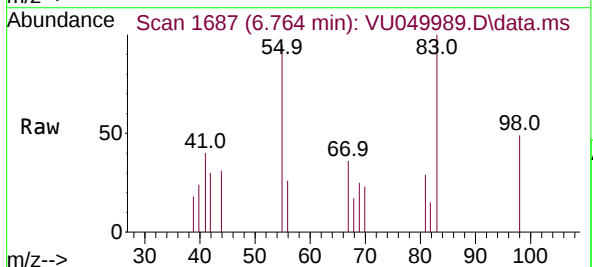
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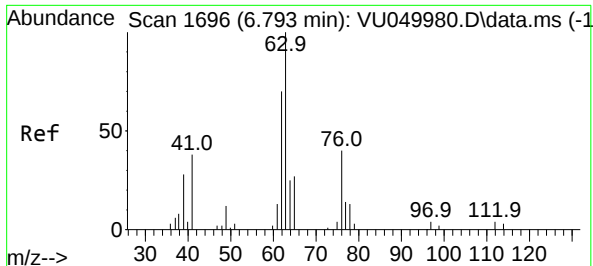
Tgt Ion: 78 Resp: 2181



#35
Methylcyclohexane
Concen: 0.269 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.010 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

Tgt Ion: 83 Resp: 1517
Ion Ratio Lower Upper
83 100
55 89.1 61.6 92.4
98 43.2 34.8 52.2





#37

1,2-Dichloropropane

Concen: 0.601 ug/L

RT: 6.694 min Scan# 1

Delta R.T. -0.099 min

Lab File: VU049989.D

Acq: 28 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

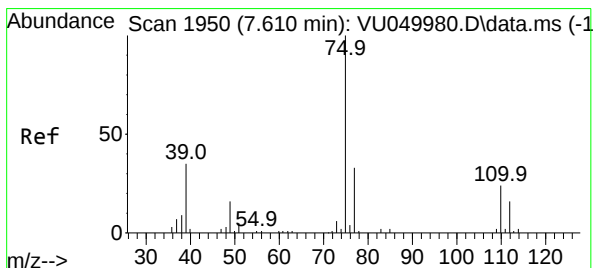
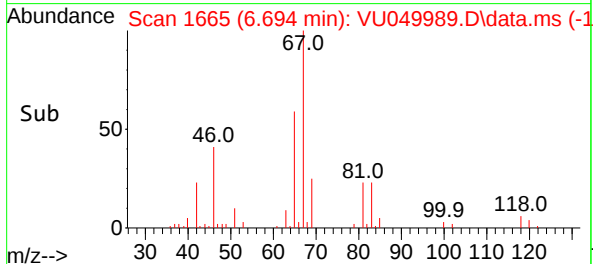
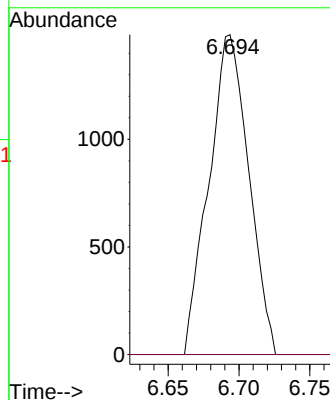
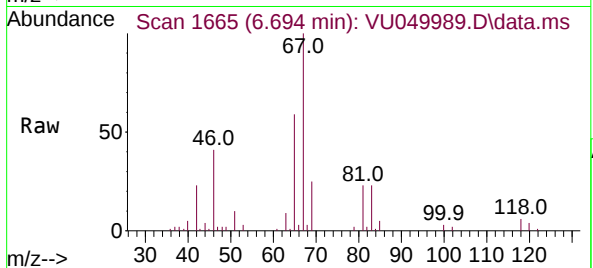
GBJ27RE

Tgt Ion: 63 Resp: 2908

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.6#



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.048 min

Lab File: VU049989.D

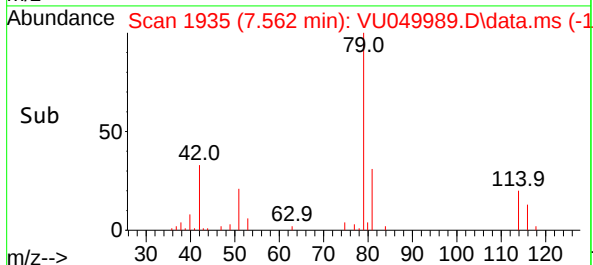
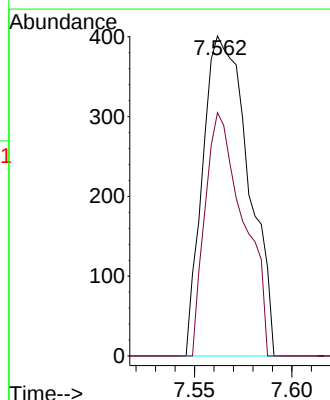
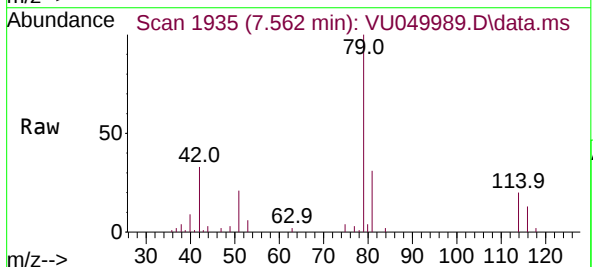
Acq: 28 Jul 2022 16:46

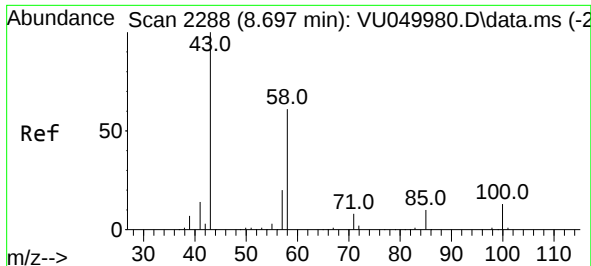
Tgt Ion: 75 Resp: 655

Ion Ratio Lower Upper

75 100

77 76.1 22.5 41.9#

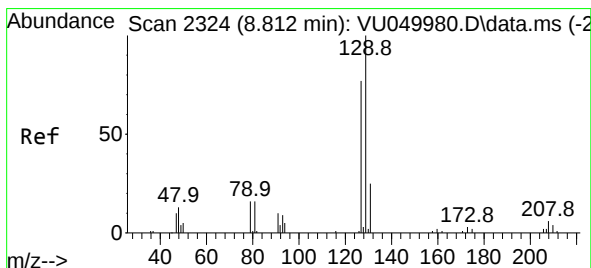
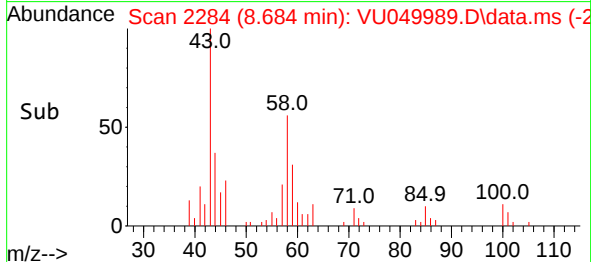
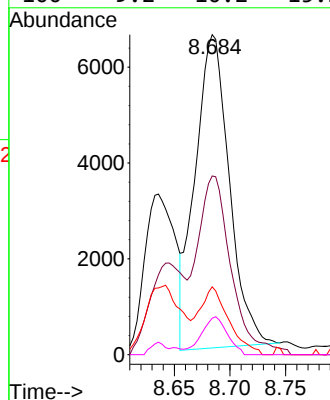
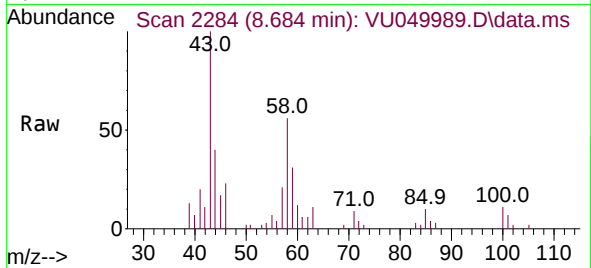




#48
2-Hexanone
Concen: 6.547 ug/L
RT: 8.684 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

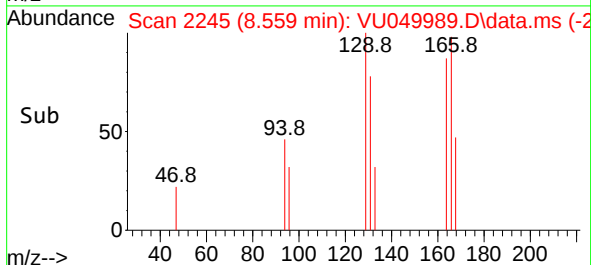
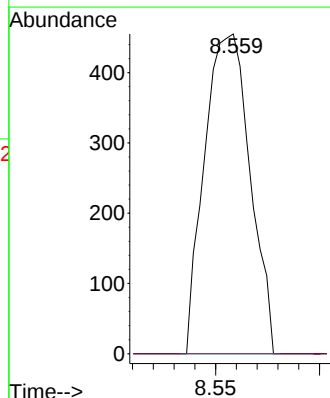
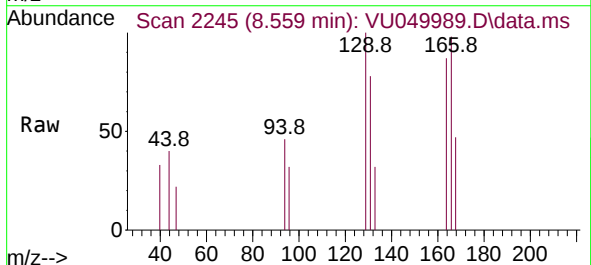
Instrument :
MSVOA_U
ClientSampleId :
GBJ27RE

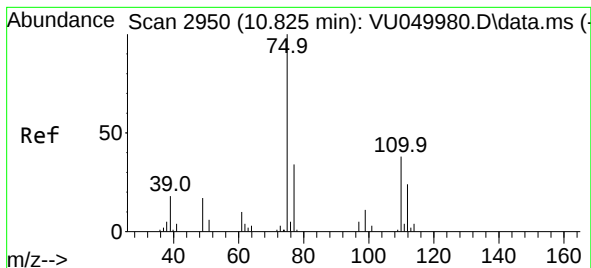
Tgt Ion: 43	Resp: 13963
Ion Ratio	Lower Upper
43 100	
58 56.0	49.4 74.0
57 18.7	17.0 25.4
100 9.2	10.2 15.2#



#49
Dibromochloromethane
Concen: 0.175 ug/L
RT: 8.559 min Scan# 2245
Delta R.T. -0.254 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

Tgt Ion: 129	Resp: 693
Ion Ratio	Lower Upper
129 100	
127 0.0	54.5 101.1#





#61

1,2,3-Trichloropropane

Concen: 1.174 ug/L

RT: 11.816 min Scan# 3117

Delta R.T. 0.991 min

Lab File: VU049989.D

Acq: 28 Jul 2022 16:46

Instrument :

MSVOA_U

ClientSampleId :

GBJ27RE

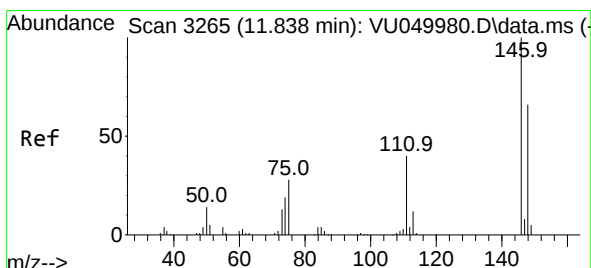
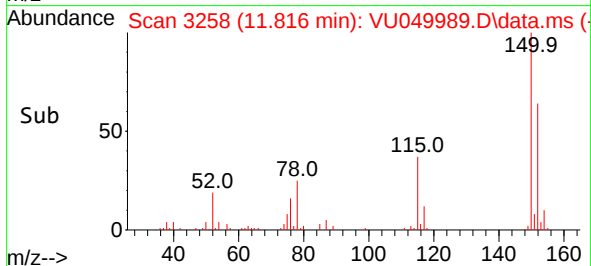
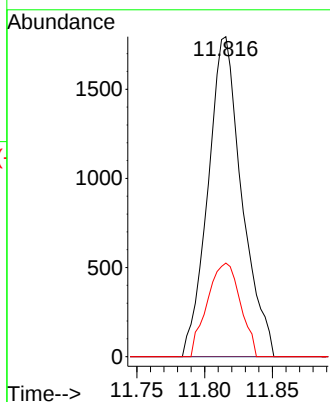
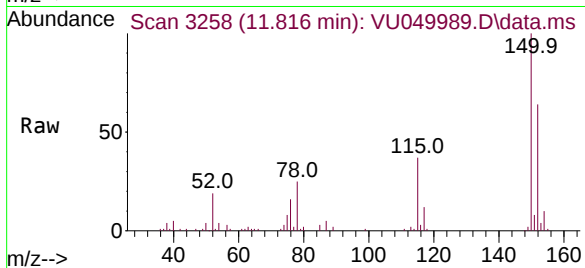
Tgt Ion: 75 Resp: 3117

Ion Ratio Lower Upper

75 100

110 0.0 28.1 42.1#

77 28.5 24.7 37.1



#65

1,4-Dichlorobenzene

Concen: 0.122 ug/L

RT: 11.841 min Scan# 3266

Delta R.T. 0.003 min

Lab File: VU049989.D

Acq: 28 Jul 2022 16:46

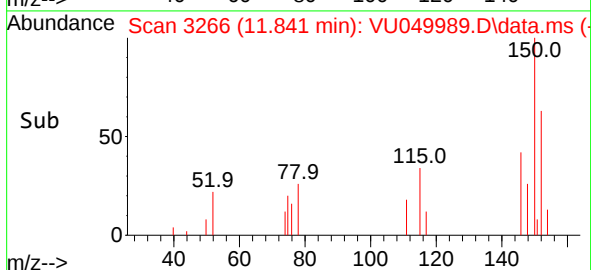
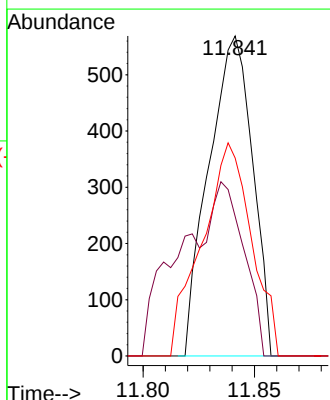
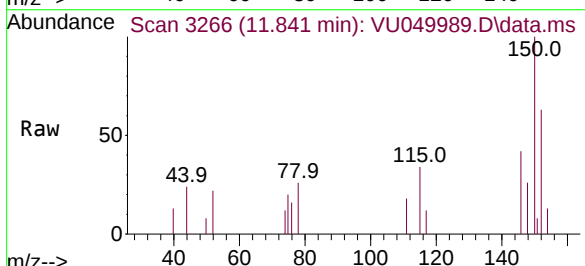
Tgt Ion:146 Resp: 778

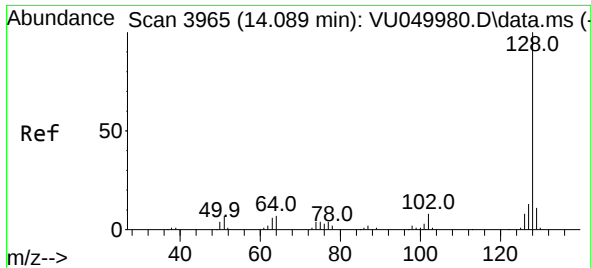
Ion Ratio Lower Upper

146 100

111 43.6 26.4 49.0

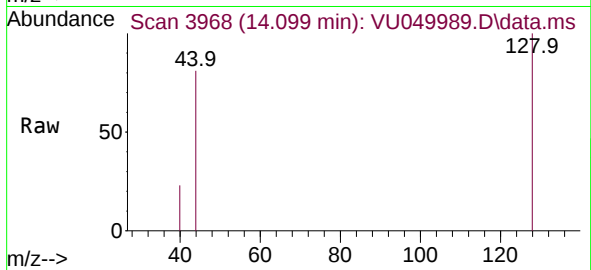
148 61.9 44.3 82.3





#71
Naphthalene
Concen: 0.141 ug/L
RT: 14.099 min Scan# 3968
Delta R.T. 0.010 min
Lab File: VU049989.D
Acq: 28 Jul 2022 16:46

Instrument :
MSVOA_U
ClientSampleId :
GBJ27RE



Tgt Ion:128 Resp: 1041
Ion Ratio Lower Upper
128 100
129 0.0 8.5 12.7#
127 0.0 10.3 15.5#

