

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
 Data File : VU054573.D
 Acq On : 16 Jun 2023 14:59
 Operator : MD/SY
 Sample : 03284-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCGZ5

Quant Time: Jun 17 06:15:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jun 17 06:10:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	256065	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	246378	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	124579	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	53336	3.273	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.914	69	75939	4.977	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.600%
11) 1,1-Dichloroethene-d2	2.563	65	25451	3.497	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.000%
20) 2-Butanone-d5	4.631	46	297652	64.964	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.920%
24) Chloroform-d	5.058	84	164671	4.834	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	5.698	65	84999	5.119	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.400%
32) Benzene-d6	5.724	84	314583	4.593	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.800%
36) 1,2-Dichloropropane-d6	6.685	67	113546	4.964	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.200%
41) Toluene-d8	7.894	98	251939	4.145	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.800%
43) trans-1,3-Dichloroprop...	8.177	79	32965	4.145	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.800%
46) 2-Hexanone-d5	8.630	63	174958	52.431	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.860%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	89546	5.250	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	102801	4.892	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.800%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	44184	1.566	ug/L	95
12) 1,1-Dichloroethene	2.573	96	2522	0.136	ug/L #	1
14) Carbon disulfide	2.792	76	7336	0.133	ug/L	95
15) Methyl Acetate	3.039	43	3715	0.464	ug/L #	52
18) trans-1,2-Dichloroethene	3.351	96	110884	5.782	ug/L	96
19) 1,1-Dichloroethane	3.865	63	193134	4.867	ug/L	99
21) 2-Butanone	4.627	43	82103	14.644	ug/L #	68
22) cis-1,2-Dichloroethene	4.663	96	588102	26.932	ug/L	98
27) 1,2-Dichloroethane	5.791	62	3998	0.174	ug/L	100
30) Cyclohexane	5.380	56	11907	0.327	ug/L	98
33) Benzene	5.772	78	61726	0.697	ug/L	100
34) Trichloroethene	6.537	95	291189	12.436	ug/L	97
35) Methylcyclohexane	6.759	83	10446	0.295	ug/L #	91
42) Toluene	7.968	91	30770	0.337	ug/L	93
47) Tetrachloroethene	8.550	164	16550	0.923	ug/L	92
48) 2-Hexanone	8.679	43	11096	1.166	ug/L #	86
49) Dibromochloromethane	8.550	129	15613	0.976	ug/L #	11
51) Chlorobenzene	9.444	112	293028	5.155	ug/L	98
53) m,p-Xylene	9.692	106	5153	0.141	ug/L	88

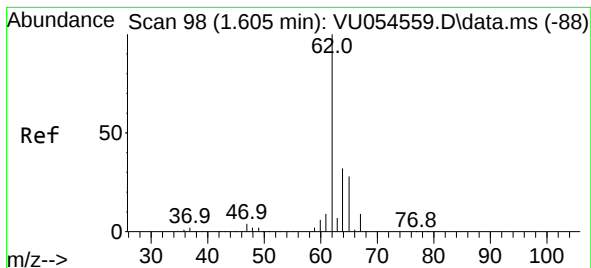
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061623\
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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Jun 17 06:10:25 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.807	75	14745	1.171	ug/L #	44
67) 1,2-Dichlorobenzene	12.209	146	12389	0.316	ug/L	97

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



#5

Vinyl chloride

Concen: 1.566 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.003 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

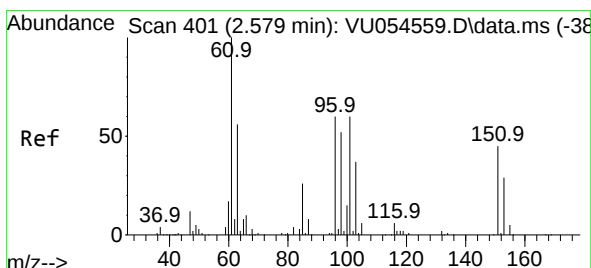
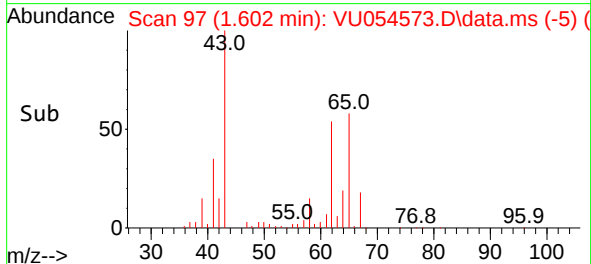
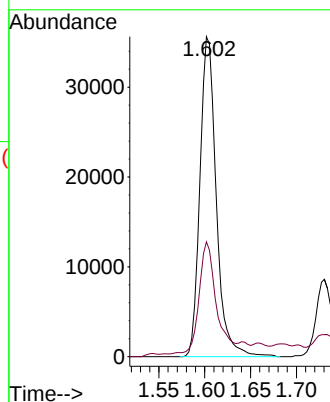
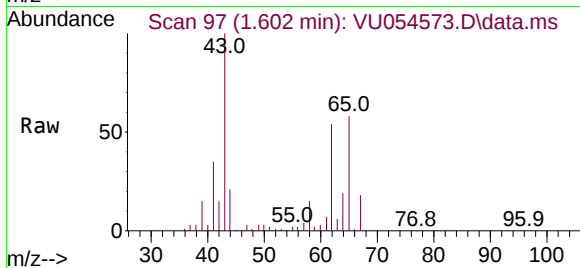
DCGZ5

Tgt Ion: 62 Resp: 44184

Ion Ratio Lower Upper

62 100

64 35.9 23.0 42.6



#12

1,1-Dichloroethene

Concen: 0.136 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.007 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

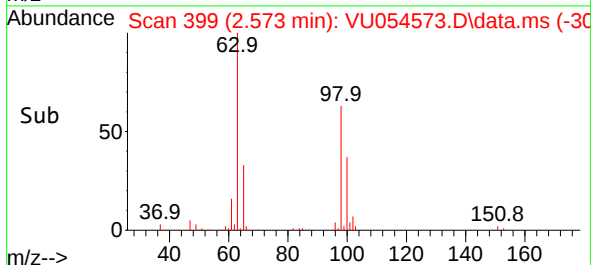
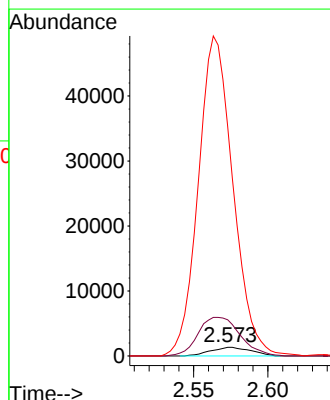
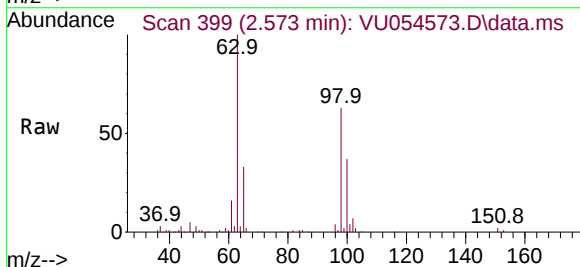
Tgt Ion: 96 Resp: 2522

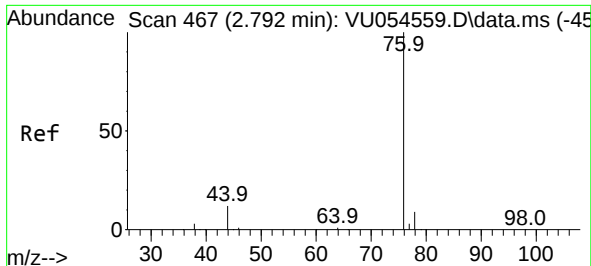
Ion Ratio Lower Upper

96 100

61 416.8 119.9 222.7#

63 2638.9 64.3 119.3#





#14

Carbon disulfide

Concen: 0.133 ug/L

RT: 2.792 min Scan# 4

Delta R.T. -0.000 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

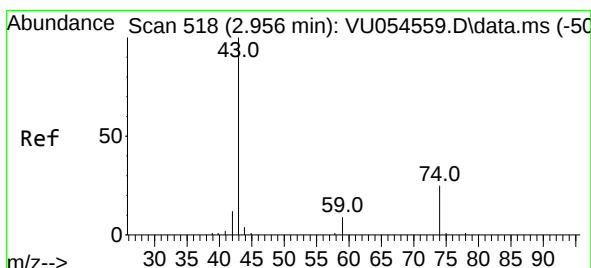
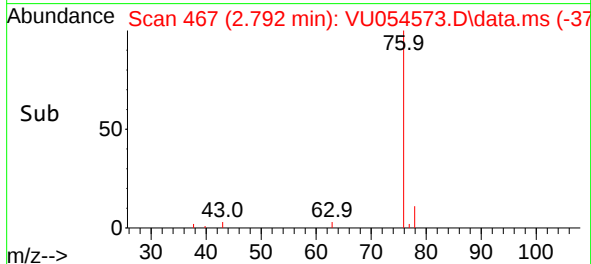
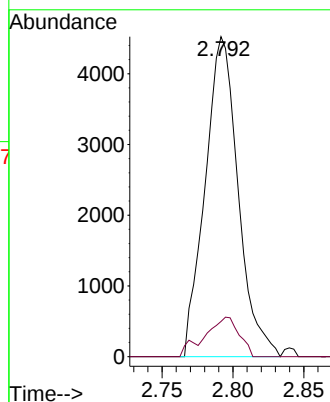
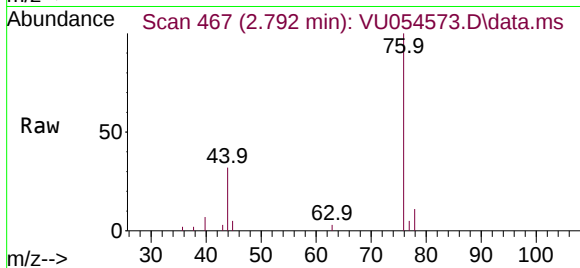
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Tgt Ion: 76 Resp: 7336

Ion Ratio Lower Upper

76 100

78 11.0 7.4 11.0



#15

Methyl Acetate

Concen: 0.464 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.083 min

Lab File: VU054573.D

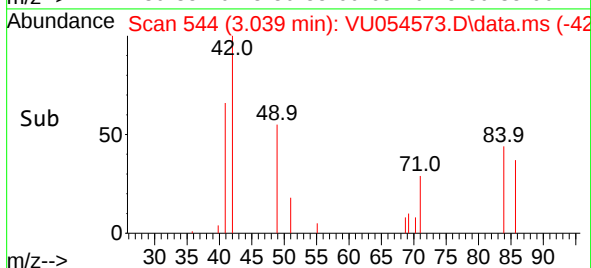
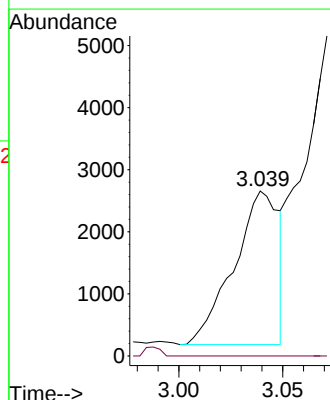
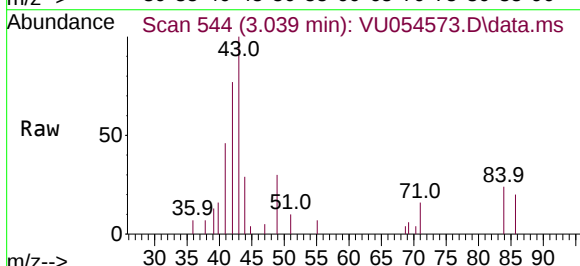
Acq: 16 Jun 2023 14:59

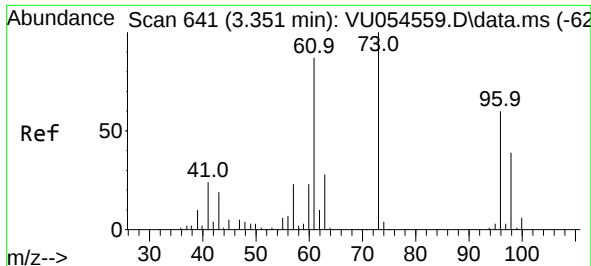
Tgt Ion: 43 Resp: 3715

Ion Ratio Lower Upper

43 100

74 0.0 19.0 28.6#

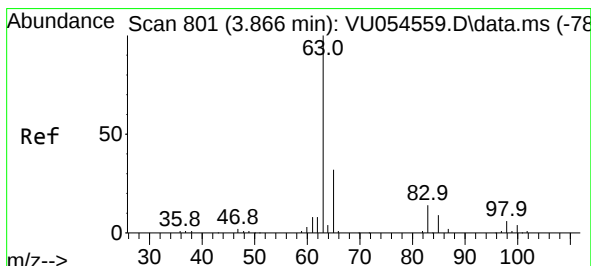
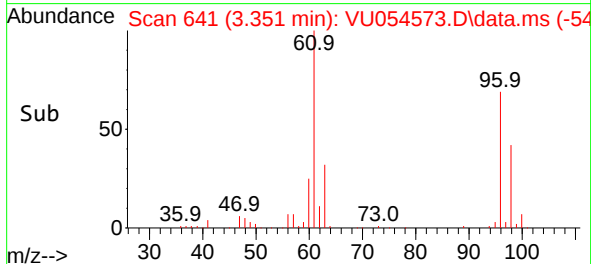
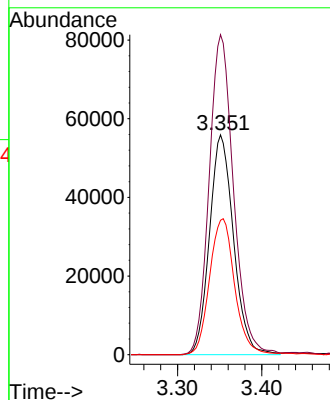
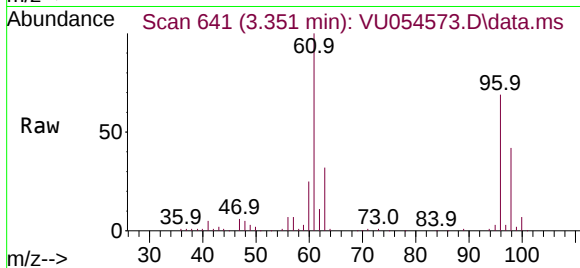




#18
trans-1,2-Dichloroethene
Concen: 5.782 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

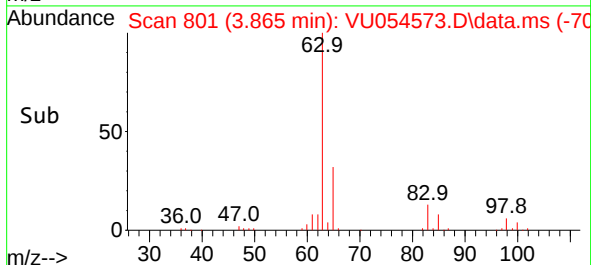
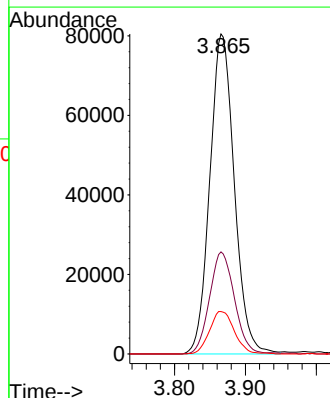
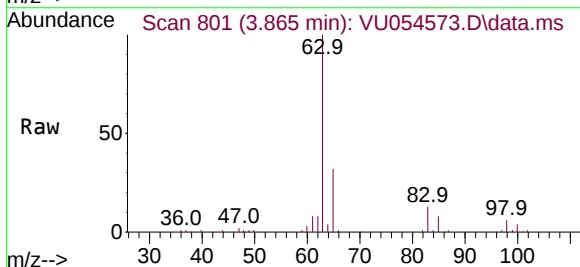
Instrument :
MSVOA_U
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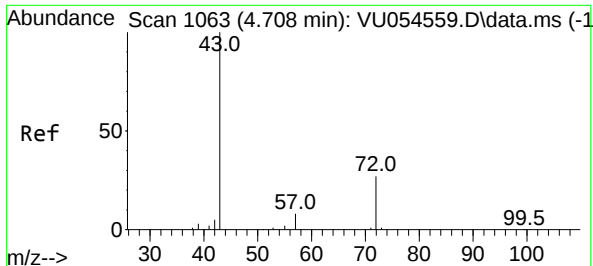
Tgt Ion: 96 Resp: 110884
Ion Ratio Lower Upper
96 100
61 145.6 104.6 194.2
98 61.2 45.4 84.4



#19
1,1-Dichloroethane
Concen: 4.867 ug/L
RT: 3.865 min Scan# 801
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

Tgt Ion: 63 Resp: 193134
Ion Ratio Lower Upper
63 100
65 31.9 22.2 41.2
83 13.3 9.0 16.6





#21

2-Butanone

Concen: 14.644 ug/L

RT: 4.627 min Scan# 1038

Delta R.T. -0.081 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

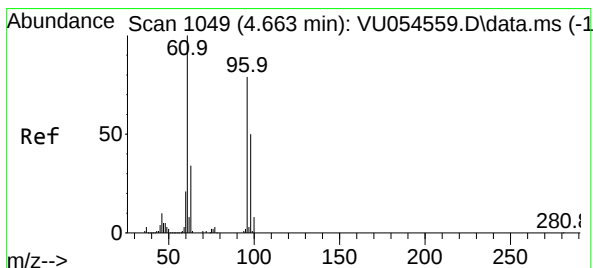
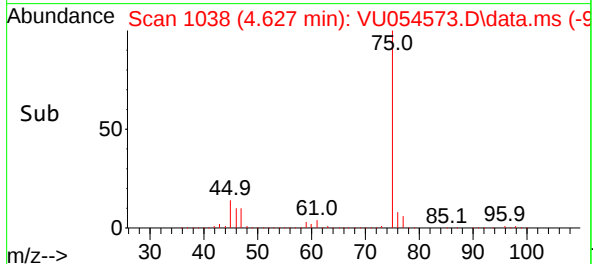
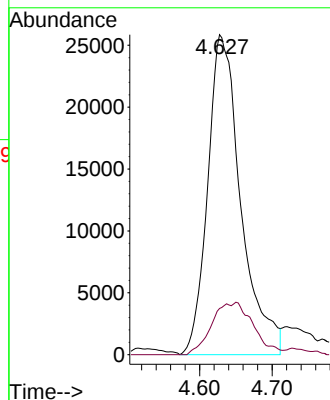
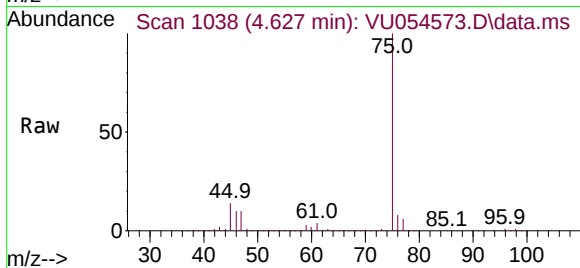
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Tgt Ion: 43 Resp: 82103

Ion Ratio Lower Upper

43 100

72 10.0 13.4 40.1#



#22

cis-1,2-Dichloroethene

Concen: 26.932 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

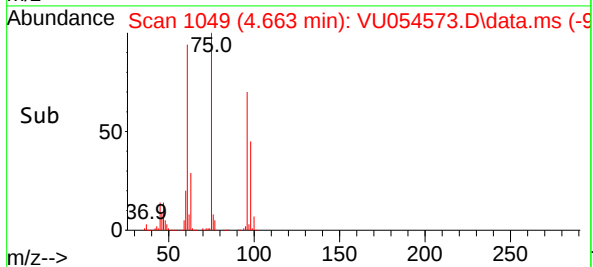
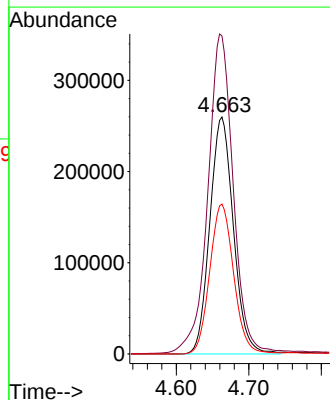
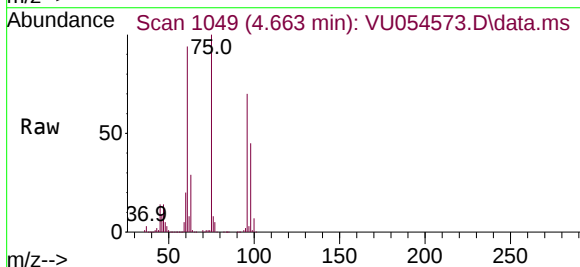
Tgt Ion: 96 Resp: 588102

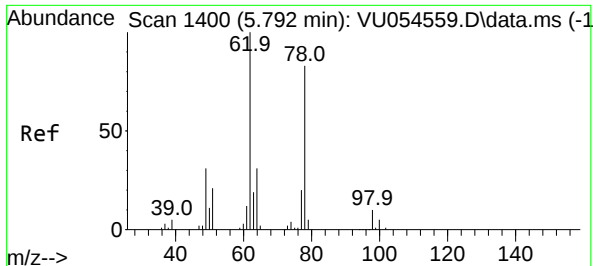
Ion Ratio Lower Upper

96 100

61 134.2 96.5 179.1

98 63.3 44.9 83.3

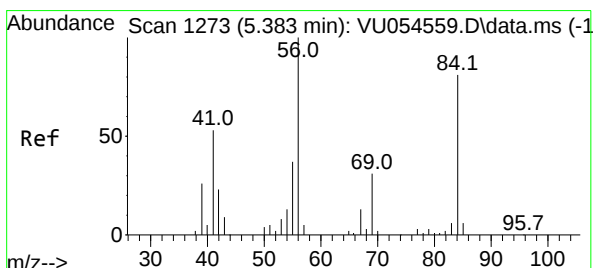
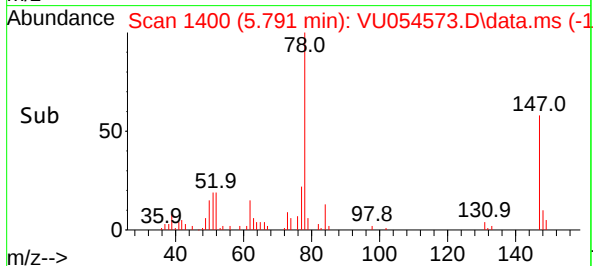
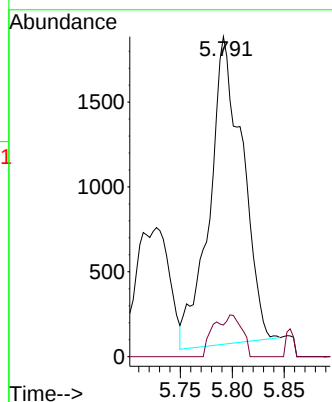
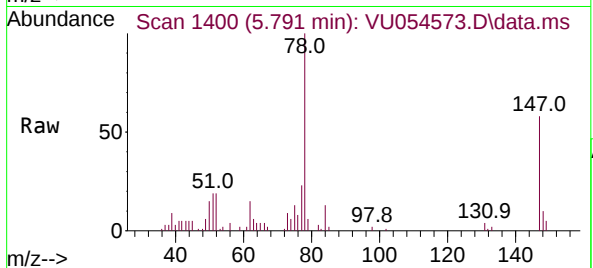




#27
1,2-Dichloroethane
Concen: 0.174 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

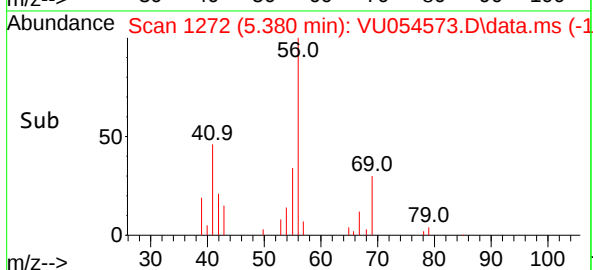
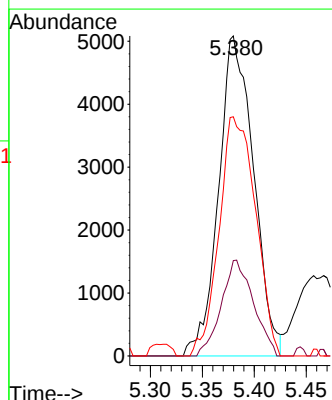
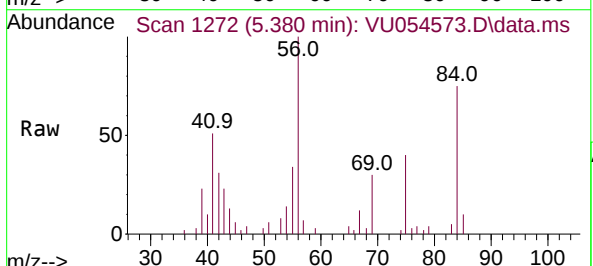
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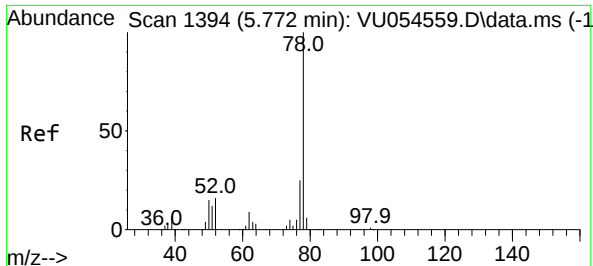
Tgt Ion: 62 Resp: 3998
Ion Ratio Lower Upper
62 100
98 9.9 7.8 11.6



#30
Cyclohexane
Concen: 0.327 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

Tgt Ion: 56 Resp: 11907
Ion Ratio Lower Upper
56 100
69 27.5 23.9 35.9
84 77.9 63.0 94.6

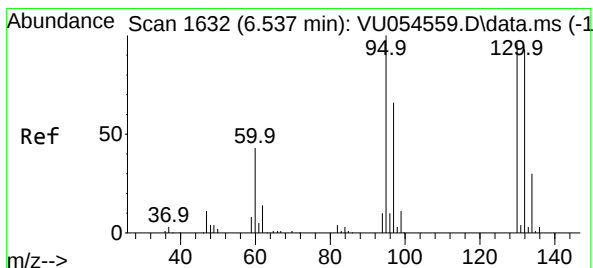
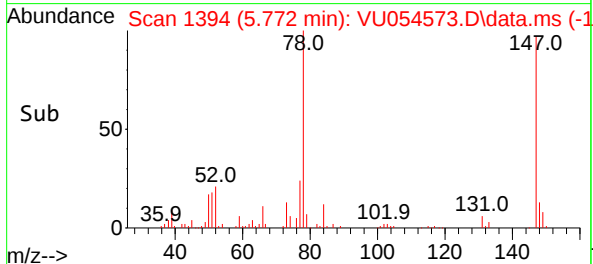
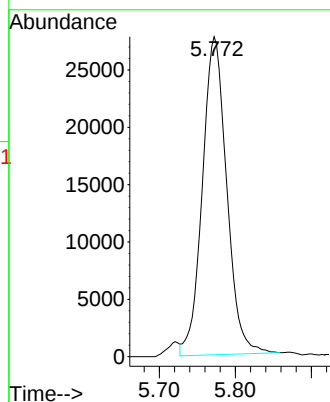
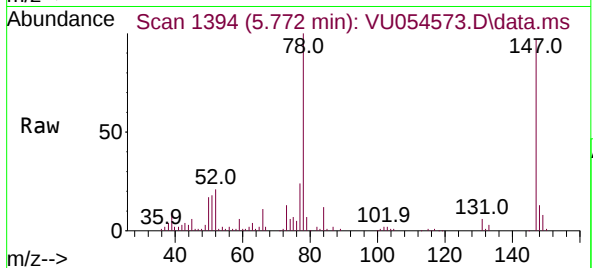




#33
Benzene
Concen: 0.697 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

Instrument :
MSVOA_U
ClientSampleId :
DCGZ5

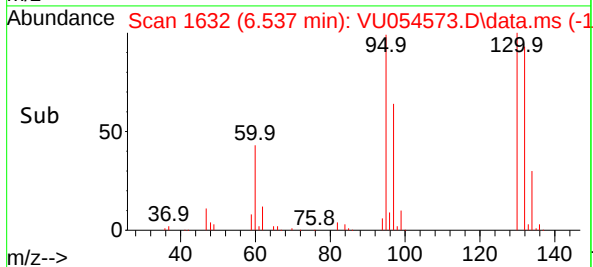
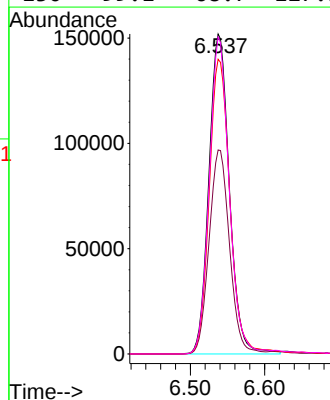
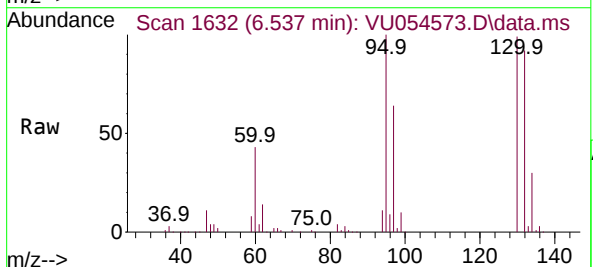
Tgt Ion: 78 Resp: 61726

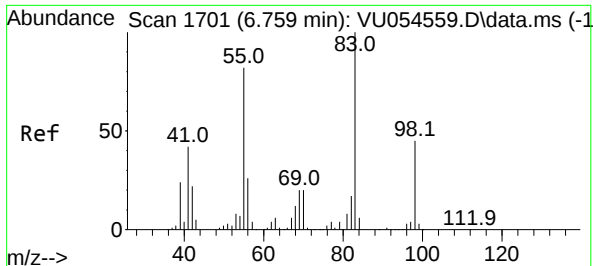


#34
Trichloroethene
Concen: 12.436 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

Tgt Ion: 95 Resp: 291189

Ion	Ratio	Lower	Upper
95	100		
97	63.8	46.8	87.0
132	92.1	68.4	127.0
130	99.1	68.7	127.5

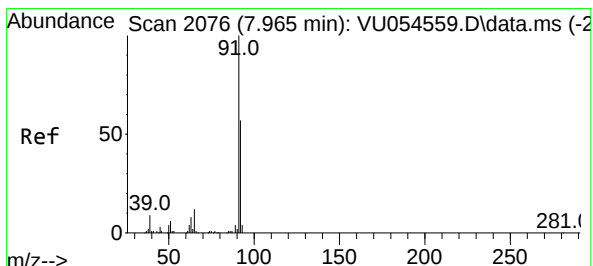
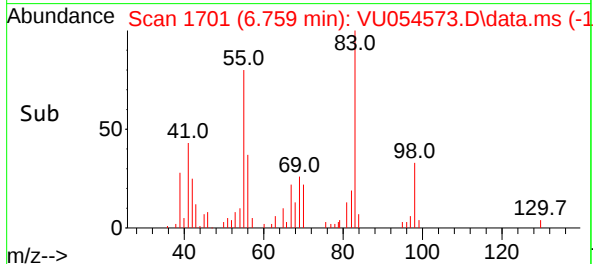
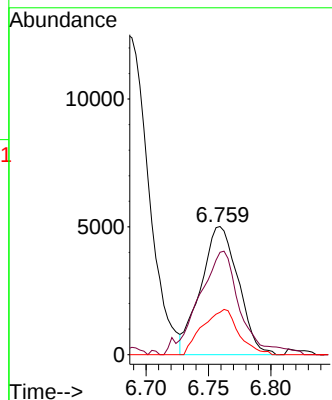
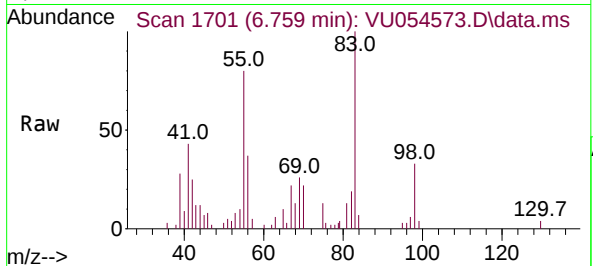




#35
Methylcyclohexane
Concen: 0.295 ug/L
RT: 6.759 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

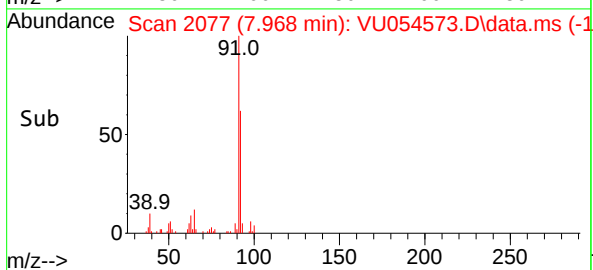
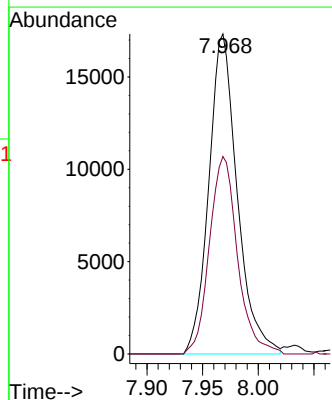
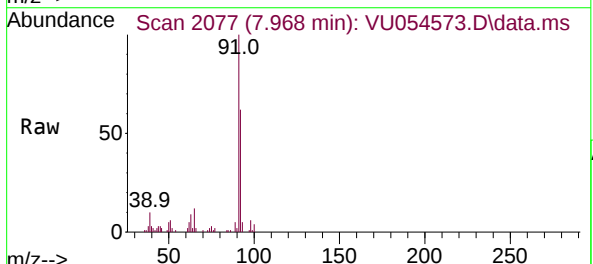
Instrument :
MSVOA_U
ClientSampleId :
DCGZ5

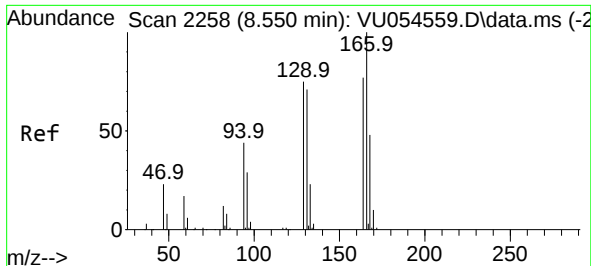
Tgt Ion: 83 Resp: 10446
Ion Ratio Lower Upper
83 100
55 88.8 67.1 100.7
98 34.1 35.1 52.7#



#42
Toluene
Concen: 0.337 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

Tgt Ion: 91 Resp: 30770
Ion Ratio Lower Upper
91 100
92 61.7 39.5 73.4





#47

Tetrachloroethene

Concen: 0.923 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

DCGZ5

Tgt Ion:164 Resp: 16550

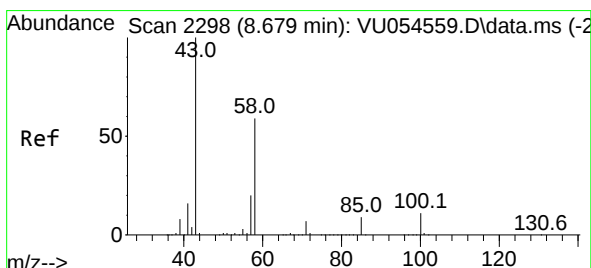
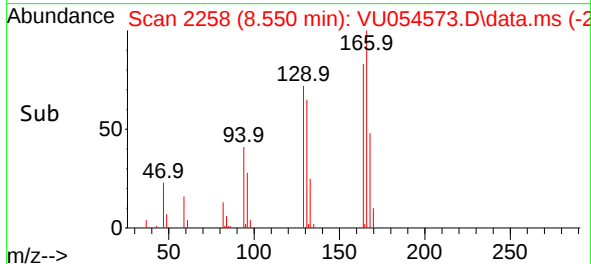
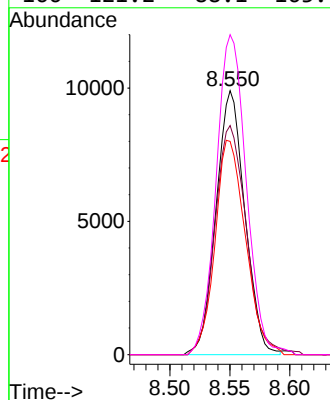
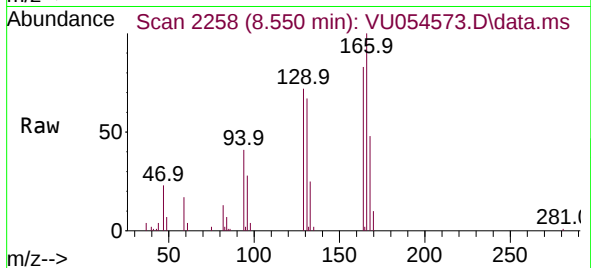
Ion Ratio Lower Upper

164 100

129 86.8 67.7 125.7

131 80.8 64.6 120.0

166 121.2 88.1 163.7



#48

2-Hexanone

Concen: 1.166 ug/L

RT: 8.679 min Scan# 2298

Delta R.T. -0.000 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

Tgt Ion: 43 Resp: 11096

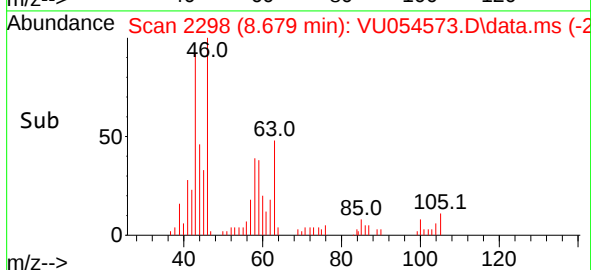
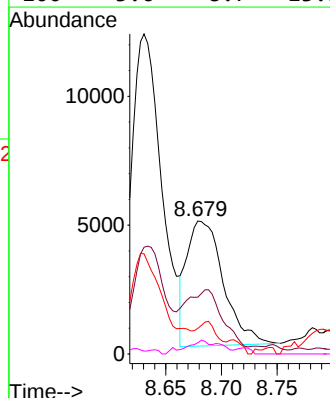
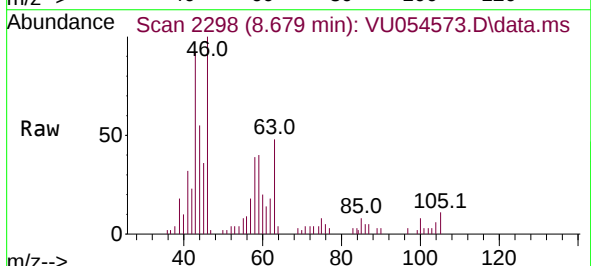
Ion Ratio Lower Upper

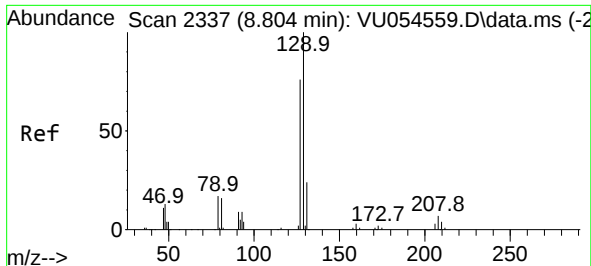
43 100

58 47.8 45.2 67.8

57 12.7 15.8 23.6#

100 3.6 8.7 13.1#





#49

Dibromochloromethane

Concen: 0.976 ug/L

RT: 8.550 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

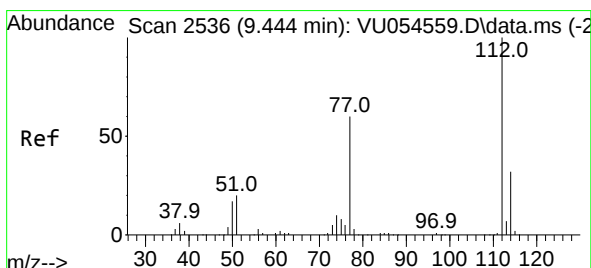
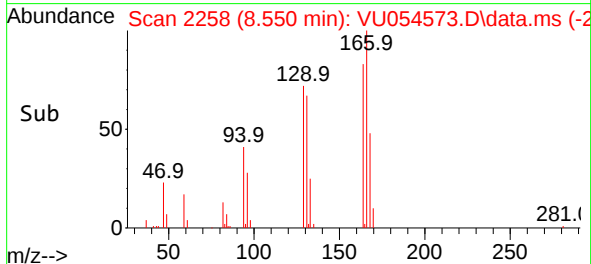
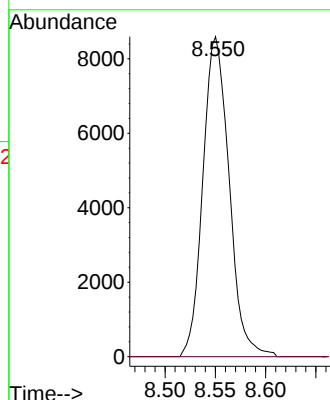
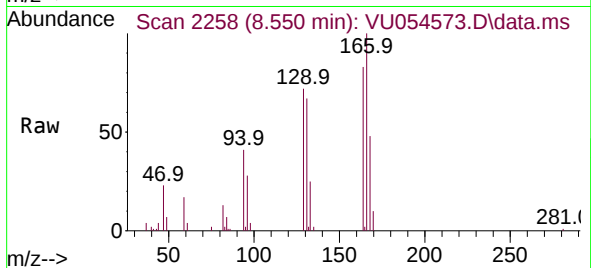
DCGZ5

Tgt Ion:129 Resp: 15613

Ion Ratio Lower Upper

129 100

127 0.0 53.2 98.8#



#51

Chlorobenzene

Concen: 5.155 ug/L

RT: 9.444 min Scan# 2536

Delta R.T. -0.000 min

Lab File: VU054573.D

Acq: 16 Jun 2023 14:59

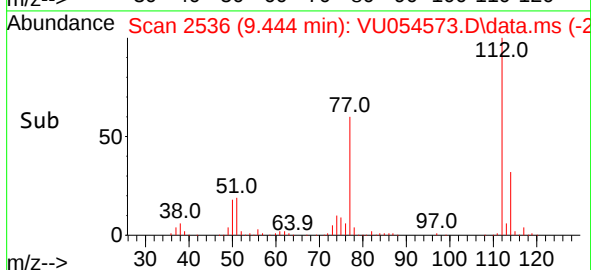
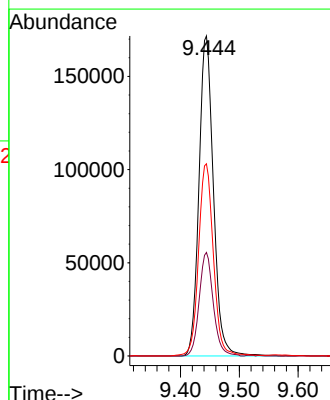
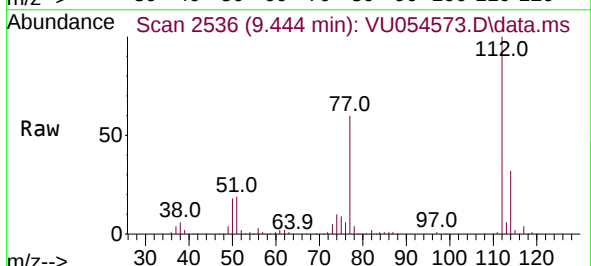
Tgt Ion:112 Resp: 293028

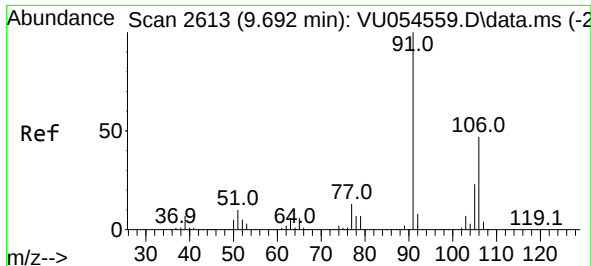
Ion Ratio Lower Upper

112 100

114 32.3 22.7 42.1

77 60.1 49.8 74.8

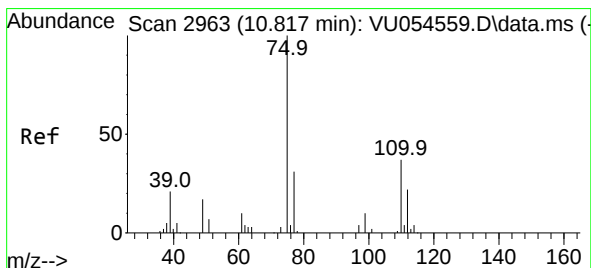
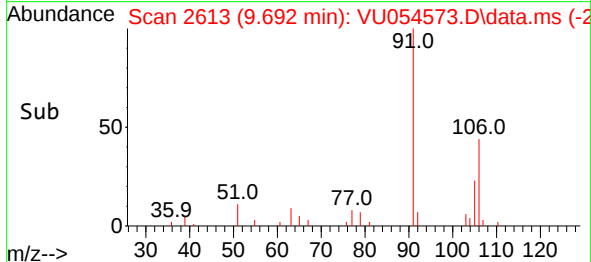
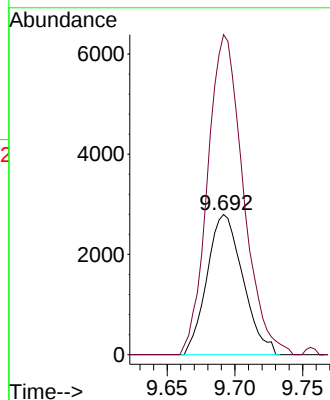
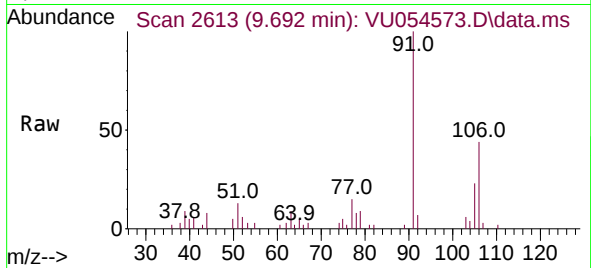




#53
m,p-Xylene
Concen: 0.141 ug/L
RT: 9.692 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

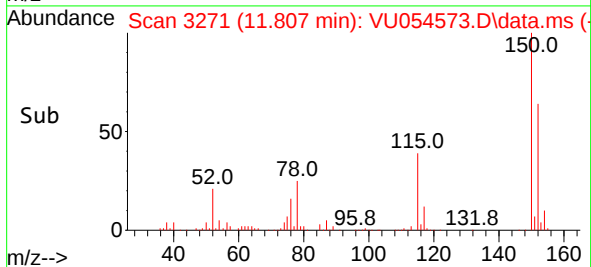
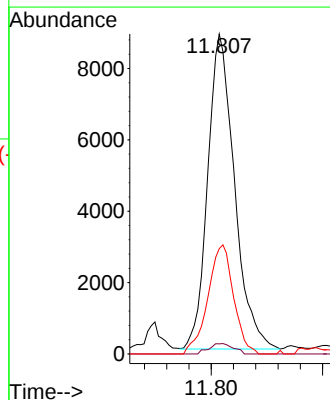
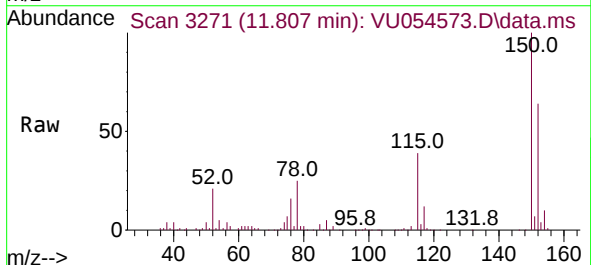
Instrument :
MSVOA_U
ClientSampleId :
DCGZ5

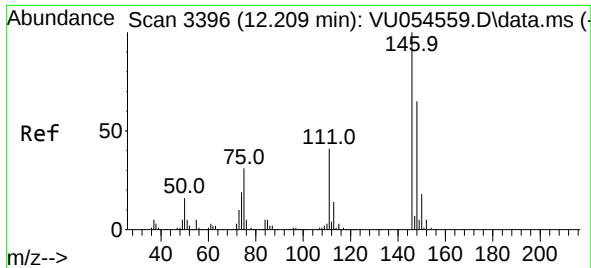
Tgt Ion:106 Resp: 5153
Ion Ratio Lower Upper
106 100
91 228.3 147.0 273.0



#61
1,2,3-Trichloropropane
Concen: 1.171 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU054573.D
Acq: 16 Jun 2023 14:59

Tgt Ion: 75 Resp: 14745
Ion Ratio Lower Upper
75 100
110 3.0 28.0 42.0#
77 0.0 25.4 38.2#





#67

1,2-Dichlorobenzene

Concen: 0.316 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU054573.D

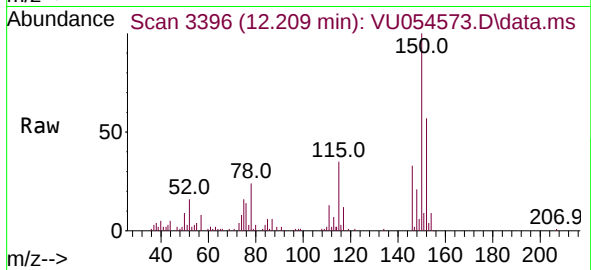
Acq: 16 Jun 2023 14:59

Instrument :

MSVOA_U

ClientSampleId :

DCGZ5



Tgt Ion:146 Resp: 12389

Ion Ratio Lower Upper

146 100

111 38.3 34.5 51.7

148 63.2 50.9 76.3

