

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012722\
 Data File : VU046879.D
 Acq On : 27 Jan 2022 19:02
 Operator : SY/MD
 Sample : N1273-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0HK5

Quant Time: Jan 28 01:02:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jan 28 00:56:24 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	105089	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	112408	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	51636	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	39637	4.451	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.000%
7) Chloroethane-d5	1.919	69	30067	4.285	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.800%
11) 1,1-Dichloroethene-d2	2.575	65	14067	3.971	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.400%
20) 2-Butanone-d5	4.645	46	112466	42.632	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	85.260%
24) Chloroform-d	5.066	84	69663	4.456	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.200%
26) 1,2-Dichloroethane-d4	5.706	65	39235	4.609	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.732	84	133566	4.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.800%
36) 1,2-Dichloropropane-d6	6.693	67	44989	4.536	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.899	98	111466	3.686	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	8.182	79	15576	3.576	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	71.600%
46) 2-Hexanone-d5	8.635	63	107324	41.609	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.220%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40039	4.020	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	42896	4.430	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.526	50	1636	0.201	ug/L	91
5) Vinyl chloride	1.610	62	1006863	118.801	ug/L	100
8) Chloroethane	2.105	64	716	0.147	ug/L #	51
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	462	0.075	ug/L #	21
12) 1,1-Dichloroethene	2.587	96	34149	5.820	ug/L	81
15) Methyl Acetate	2.977	43	1371	0.437	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	2586	0.157	ug/L #	1
18) trans-1,2-Dichloroethene	3.359	96	11739	1.847	ug/L	94
19) 1,1-Dichloroethane	3.877	63	154658	14.495	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	101089	15.078	ug/L	99
27) 1,2-Dichloroethane	5.800	62	1663	0.222	ug/L #	85
33) Benzene	5.780	78	26790	1.012	ug/L	100
34) Trichloroethene	6.546	95	308872	44.951	ug/L	99
35) Methylcyclohexane	6.693	83	10440	0.907	ug/L #	17
39) cis-1,3-Dichloropropene	7.568	75	1062	0.105	ug/L #	52
42) Toluene	7.973	91	17758	0.561	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	1118	0.202	ug/L	92
47) Tetrachloroethene	8.558	164	1934123	346.090	ug/L	97
49) Dibromochloromethane	8.558	129	1936553	297.223	ug/L #	10

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ALS Vial : 24 Sample Multiplier: 1

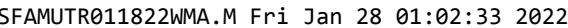
Instrument :
MSVOA_U
ClientSampleId :
C0HK5

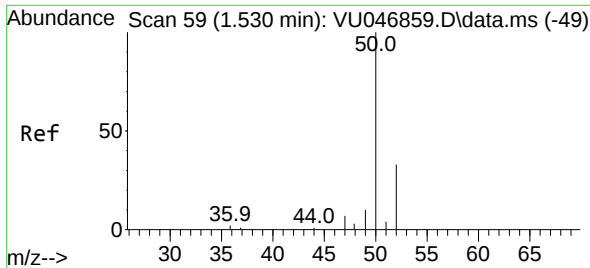
Quant Time: Jan 28 01:02:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Jan 28 00:56:24 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	9.571	91	4303	0.143	ug/L	99
53) m,p-Xylene	9.693	106	1225	0.102	ug/L	93
61) 1,2,3-Trichloropropane	11.812	75	6047	1.382	ug/L #	67
68) 1,2-Dibromo-3-chloropr...	12.777	75	147	0.162	ug/L #	7

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

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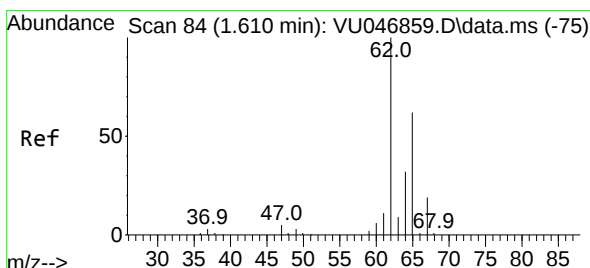
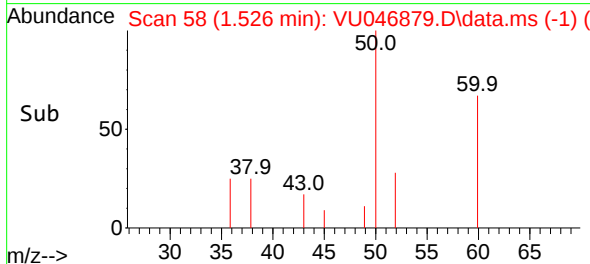
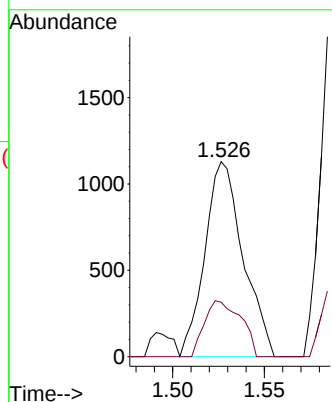
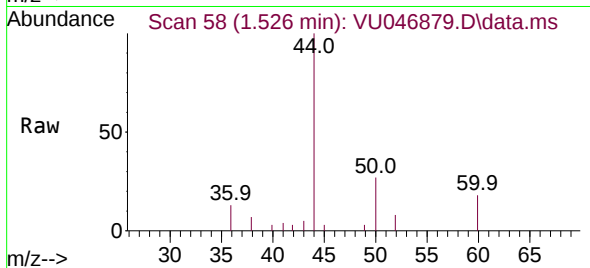




#3
Chloromethane
Concen: 0.201 ug/L
RT: 1.526 min Scan# 59
Delta R.T. -0.003 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

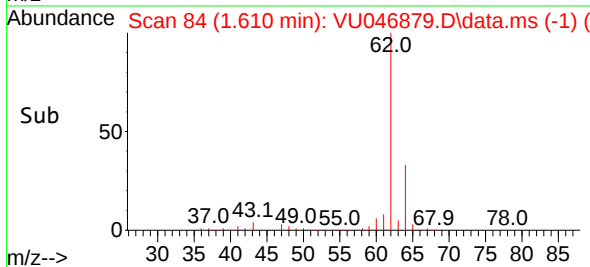
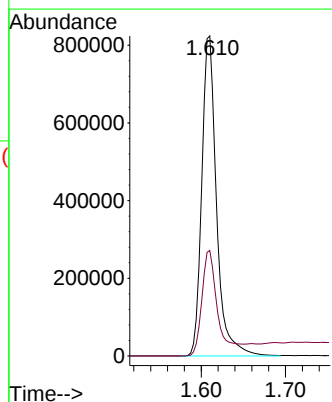
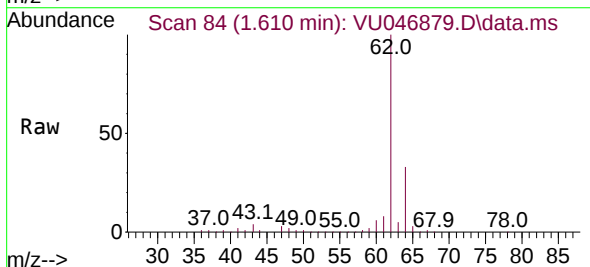
Instrument :
MSVOA_U
ClientSampleId :
C0HK5

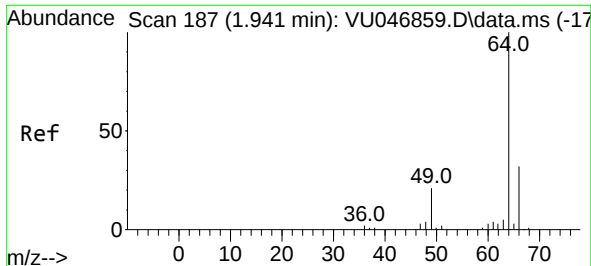
Tgt Ion: 50 Resp: 1636
Ion Ratio Lower Upper
50 100
52 27.9 23.0 42.8



#5
Vinyl chloride
Concen: 118.801 ug/L
RT: 1.610 min Scan# 84
Delta R.T. -0.000 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 62 Resp: 1006863
Ion Ratio Lower Upper
62 100
64 33.0 22.9 42.5

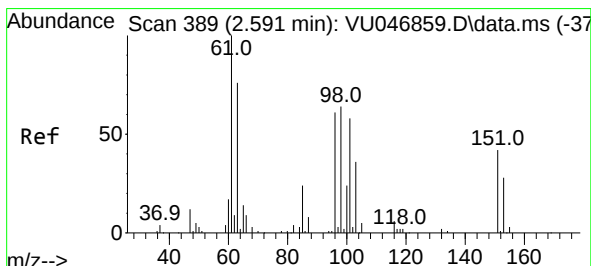
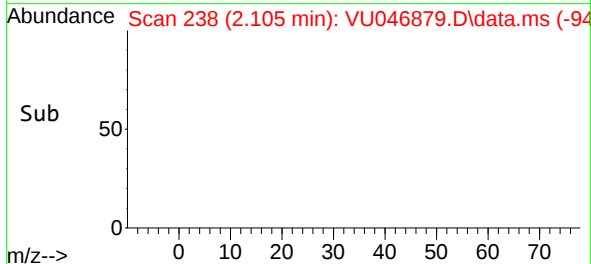
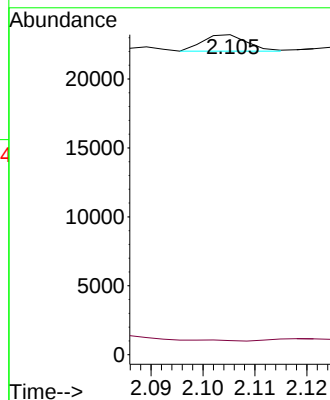
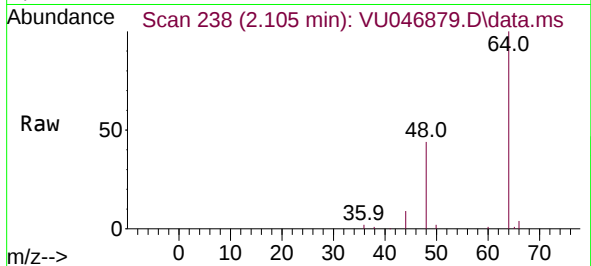




#8
Chloroethane
Concen: 0.147 ug/L
RT: 2.105 min Scan# 21
Delta R.T. 0.164 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

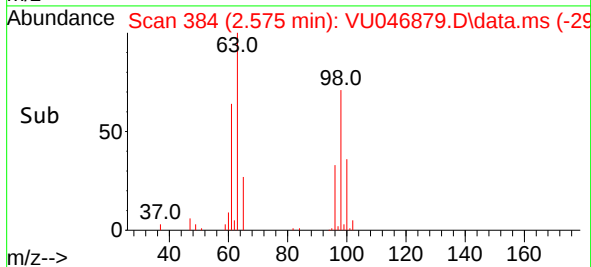
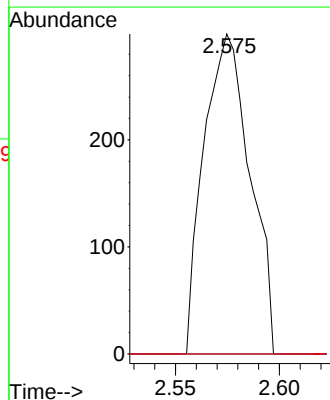
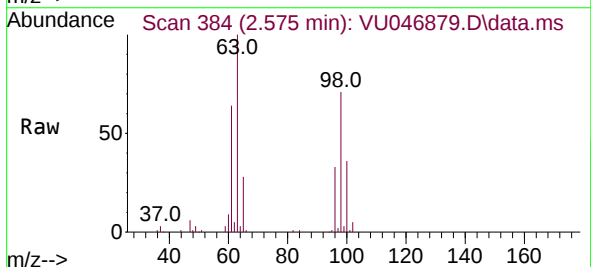
Instrument :
MSVOA_U
ClientSampleId :
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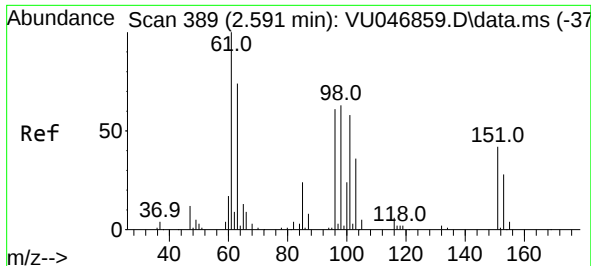
Tgt Ion: 64 Resp: 716
Ion Ratio Lower Upper
64 100
66 4.4 22.1 41.1#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.075 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.016 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 101 Resp: 462
Ion Ratio Lower Upper
101 100
85 0.0 34.6 51.8#
151 0.0 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 5.820 ug/L

RT: 2.587 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046879.D

Acq: 27 Jan 2022 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0HK5

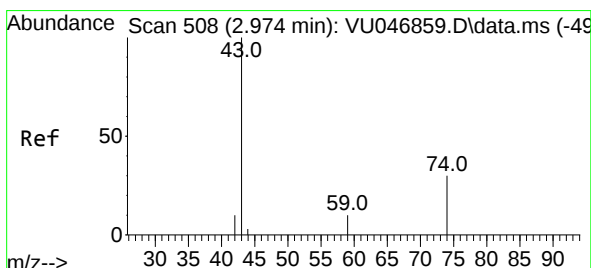
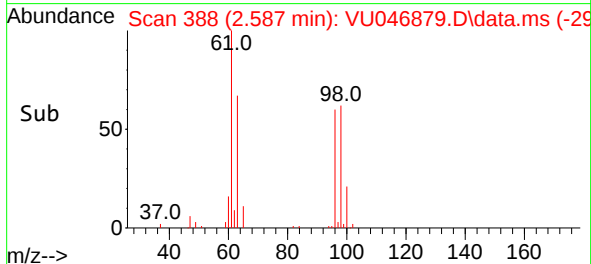
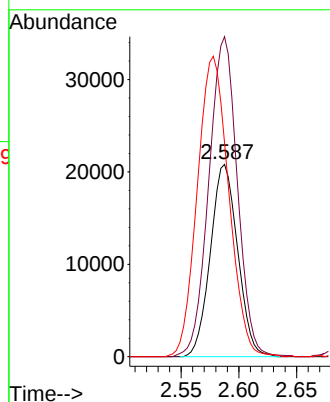
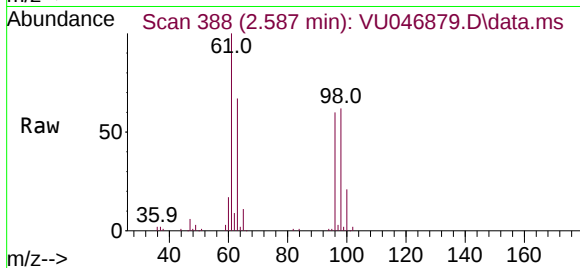
Tgt Ion: 96 Resp: 34149

Ion Ratio Lower Upper

96 100

61 166.4 124.7 231.5

63 111.4 105.2 195.4



#15

Methyl Acetate

Concen: 0.437 ug/L

RT: 2.977 min Scan# 509

Delta R.T. 0.003 min

Lab File: VU046879.D

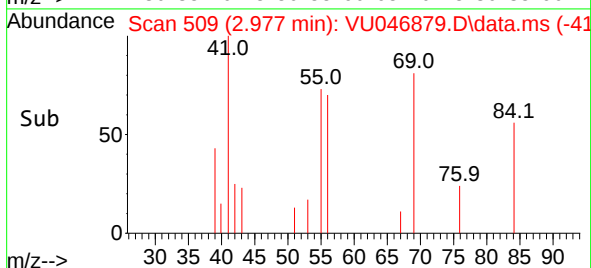
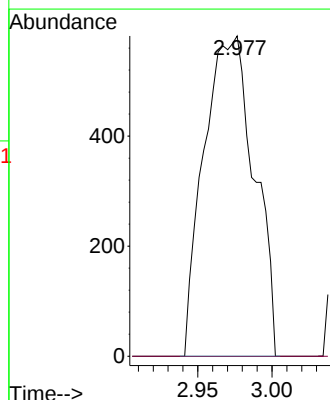
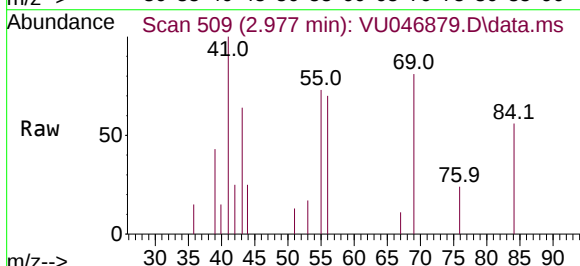
Acq: 27 Jan 2022 19:02

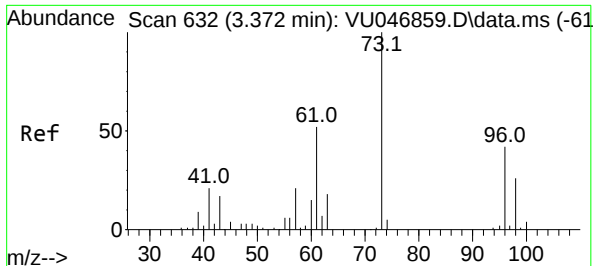
Tgt Ion: 43 Resp: 1371

Ion Ratio Lower Upper

43 100

74 0.0 19.1 28.7#





#17

Methyl tert-butyl Ether

Concen: 0.157 ug/L

RT: 3.369 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046879.D

Acq: 27 Jan 2022 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0HK5

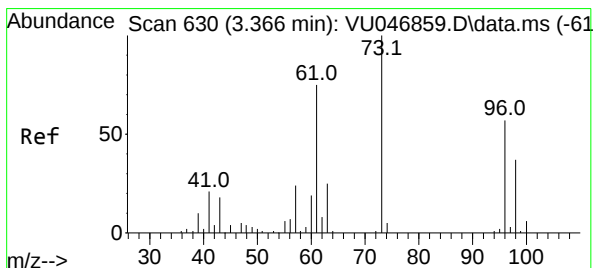
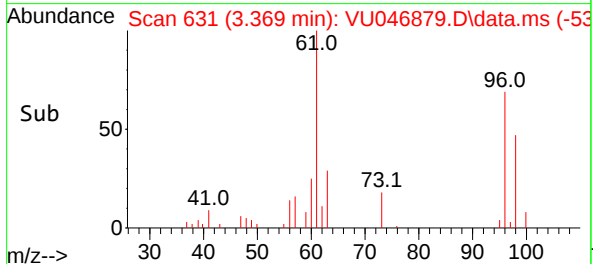
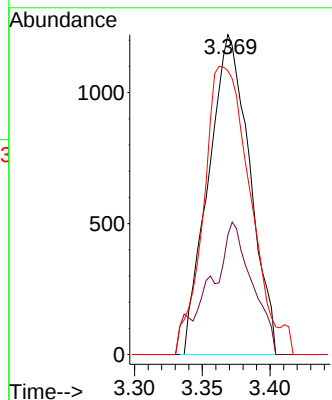
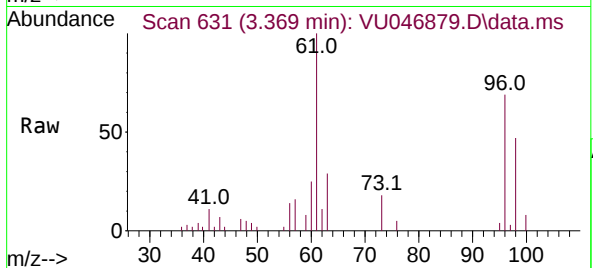
Tgt Ion: 73 Resp: 2586

Ion Ratio Lower Upper

73 100

43 30.0 14.8 22.2#

57 102.0 17.4 26.0#



#18

trans-1,2-Dichloroethene

Concen: 1.847 ug/L

RT: 3.359 min Scan# 628

Delta R.T. -0.007 min

Lab File: VU046879.D

Acq: 27 Jan 2022 19:02

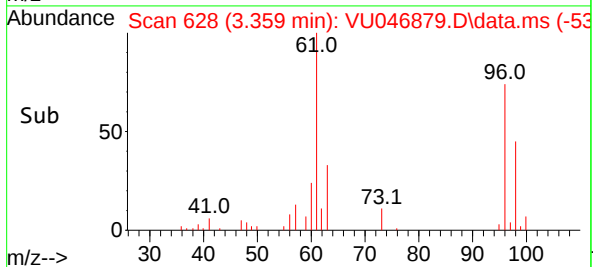
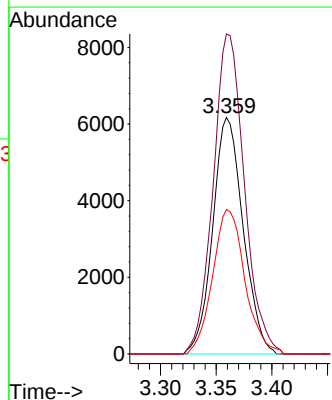
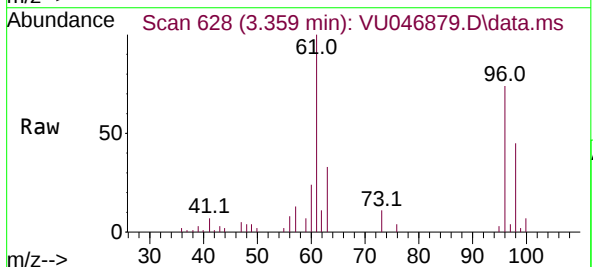
Tgt Ion: 96 Resp: 11739

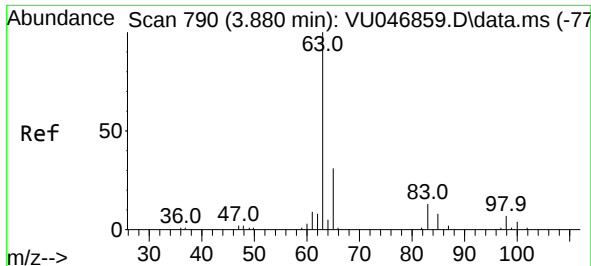
Ion Ratio Lower Upper

96 100

61 135.3 100.8 187.2

98 61.1 45.1 83.7





#19

1,1-Dichloroethane

Concen: 14.495 ug/L

RT: 3.877 min Scan# 790

Delta R.T. -0.003 min

Lab File: VU046879.D

Acq: 27 Jan 2022 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0HK5

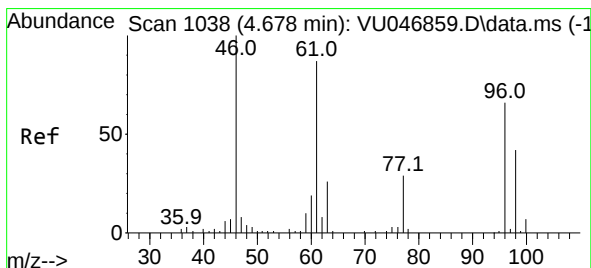
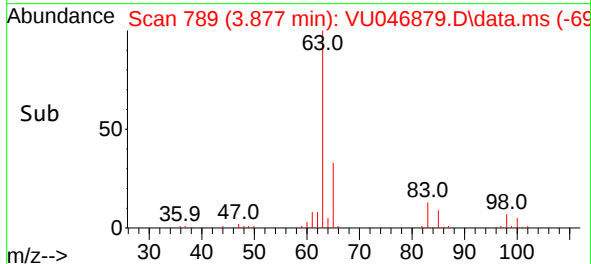
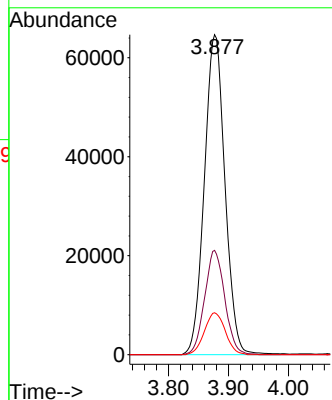
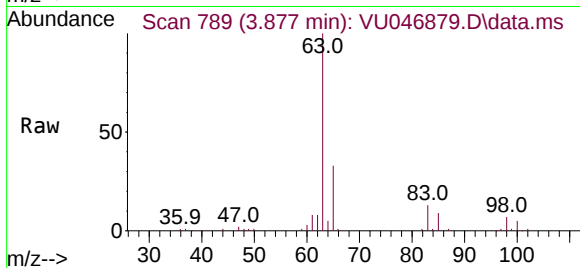
Tgt Ion: 63 Resp: 154658

Ion Ratio Lower Upper

63 100

65 32.6 22.3 41.5

83 13.1 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 15.078 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. -0.007 min

Lab File: VU046879.D

Acq: 27 Jan 2022 19:02

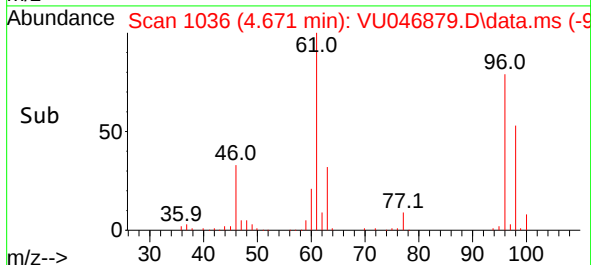
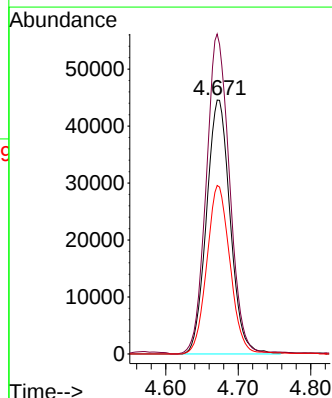
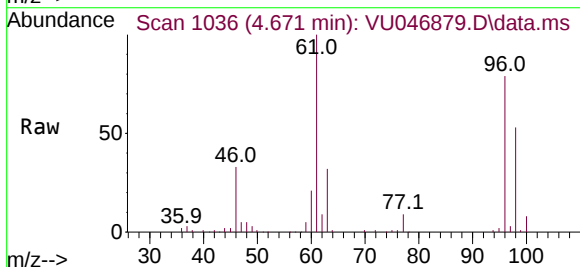
Tgt Ion: 96 Resp: 101089

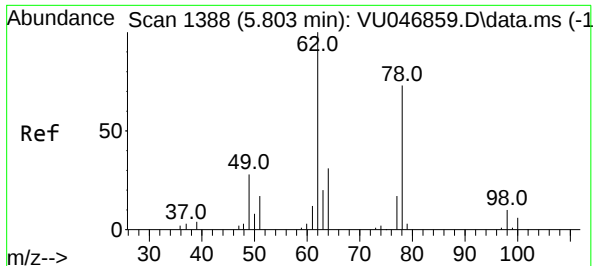
Ion Ratio Lower Upper

96 100

61 126.1 88.5 164.3

98 66.4 44.4 82.5

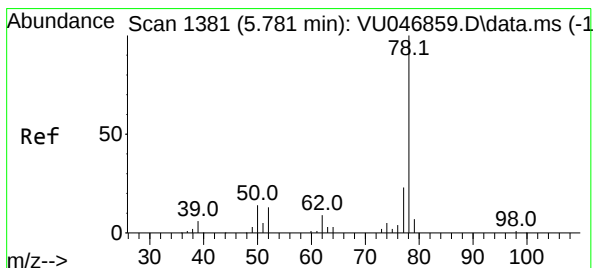
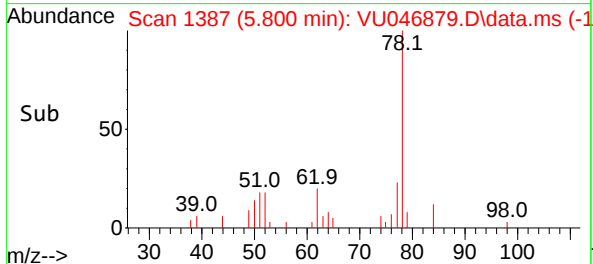
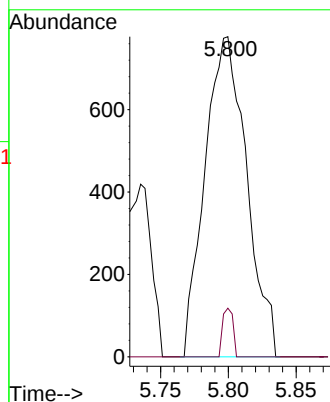
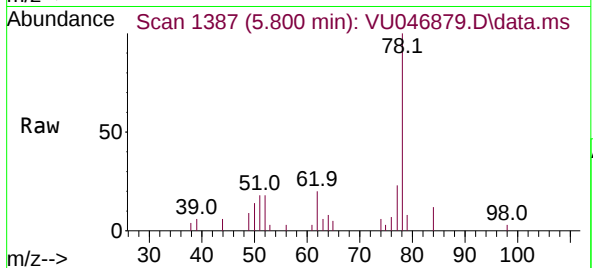




#27
1,2-Dichloroethane
Concen: 0.222 ug/L
RT: 5.800 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

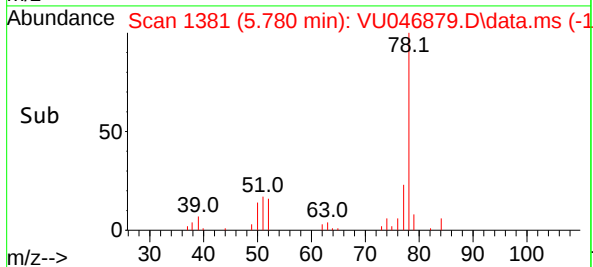
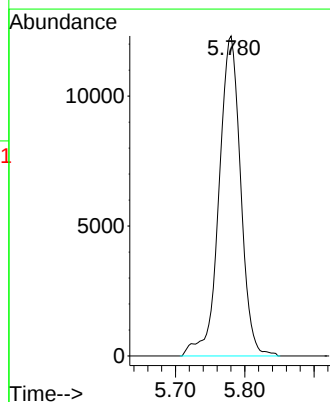
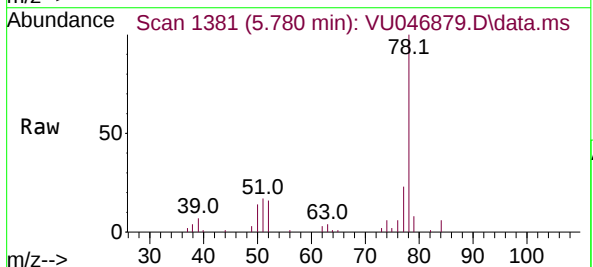
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MSVOA_U
ClientSampleId :
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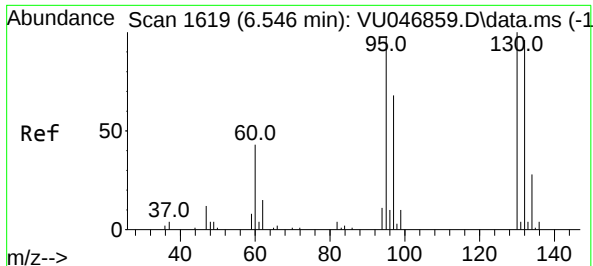
Tgt Ion: 62 Resp: 1663
Ion Ratio Lower Upper
62 100
98 15.2 7.8 11.8#



#33
Benzene
Concen: 1.012 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 78 Resp: 26790

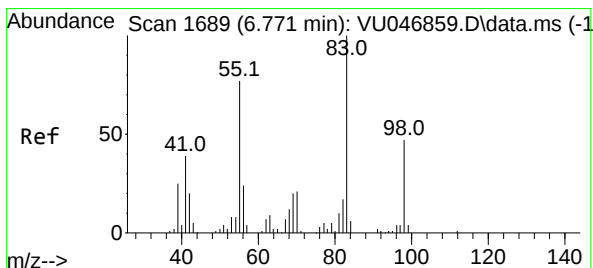
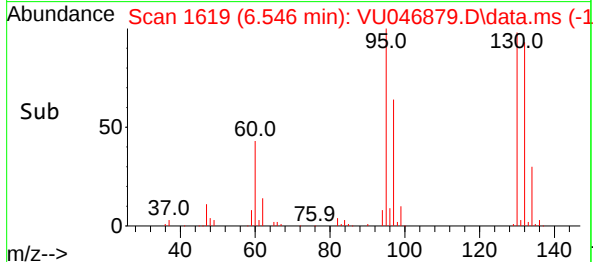
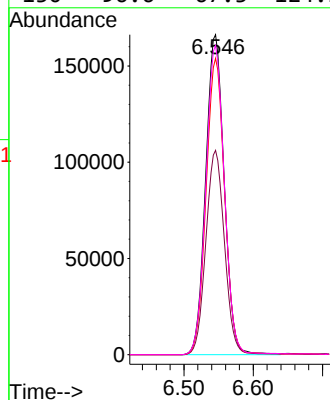
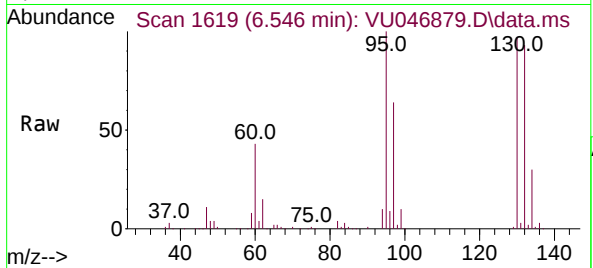




#34
Trichloroethene
Concen: 44.951 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

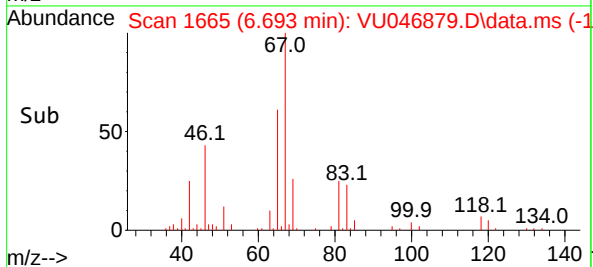
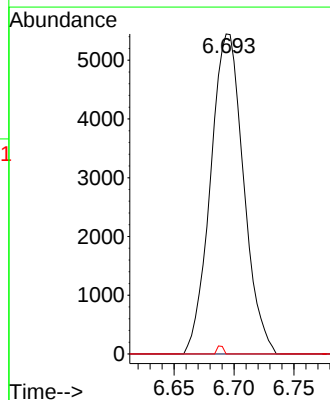
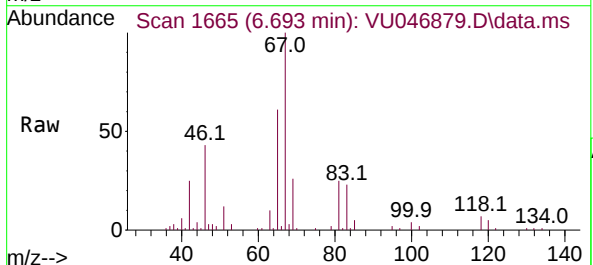
Instrument :
MSVOA_U
ClientSampleId :
C0HK5

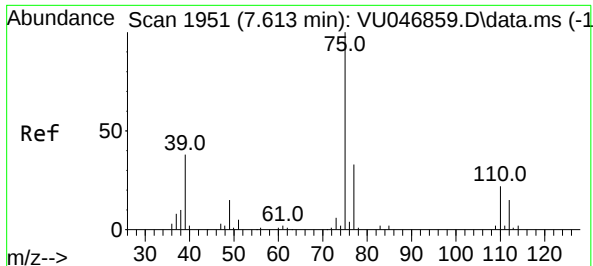
Tgt Ion: 95 Resp: 308872
Ion Ratio Lower Upper
95 100
97 63.8 46.5 86.5
132 92.6 65.1 120.9
130 96.6 67.3 124.9



#35
Methylcyclohexane
Concen: 0.907 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.077 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 83 Resp: 10440
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#

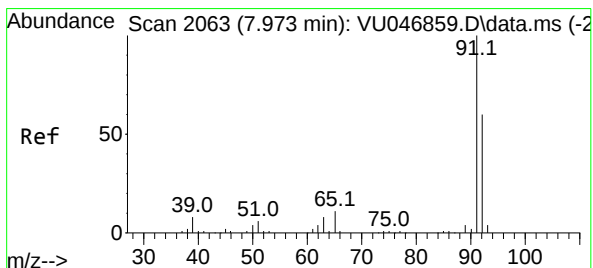
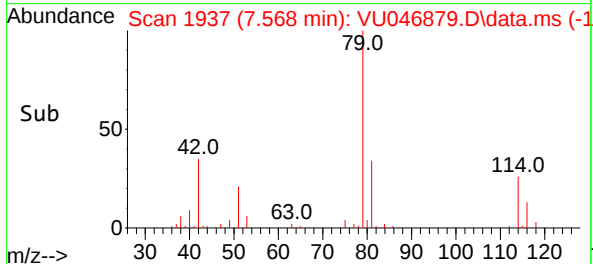
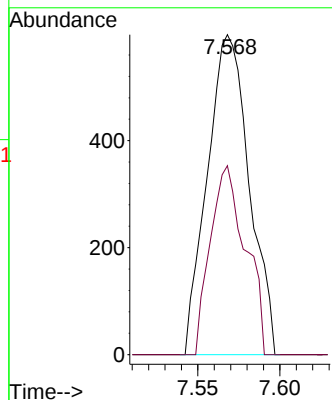
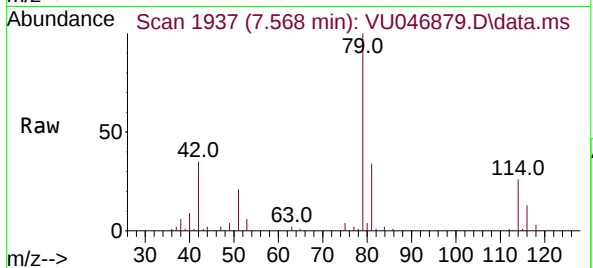




#39
cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 7.568 min Scan# 1951
Delta R.T. -0.045 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

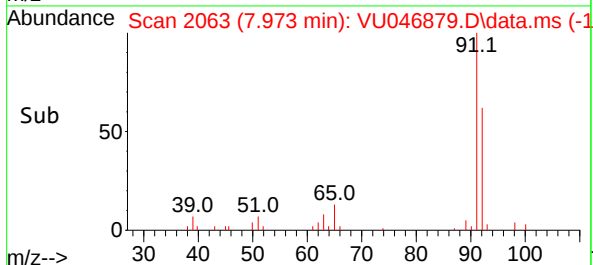
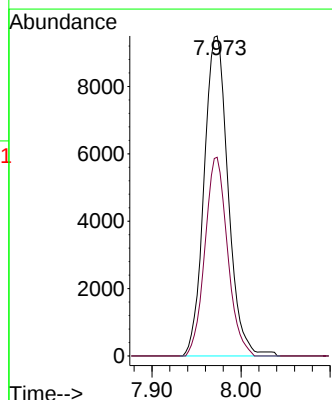
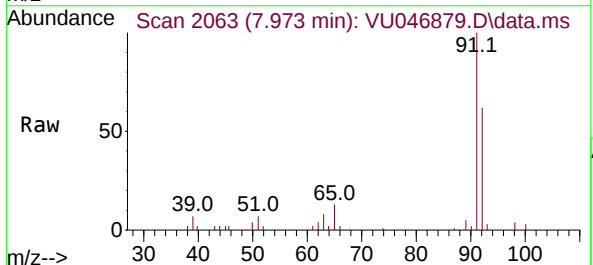
Instrument :
MSVOA_U
ClientSampleId :
C0HK5

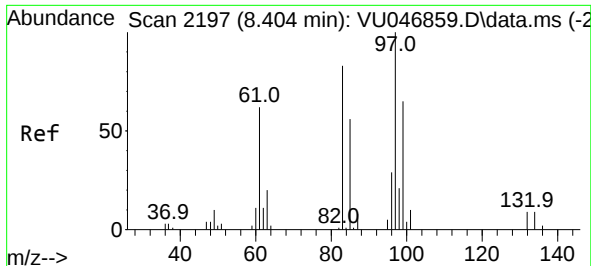
Tgt Ion: 75 Resp: 1062
Ion Ratio Lower Upper
75 100
77 59.0 22.5 41.9#



#42
Toluene
Concen: 0.561 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 91 Resp: 17758
Ion Ratio Lower Upper
91 100
92 62.1 41.3 76.7



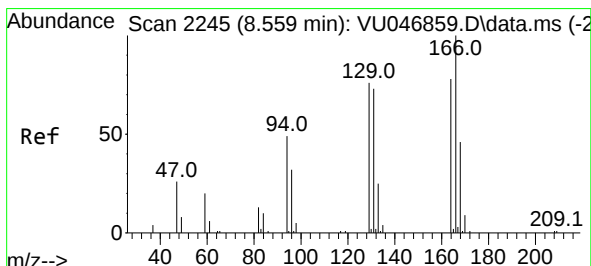
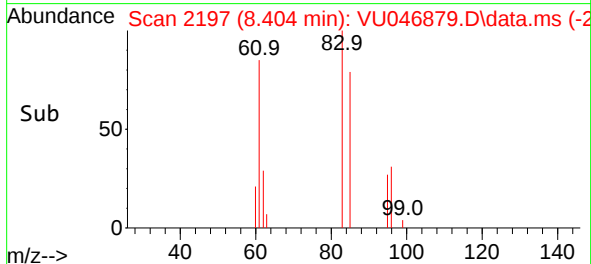
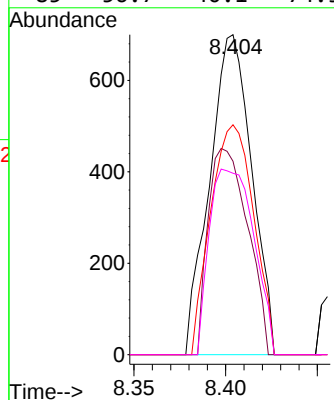
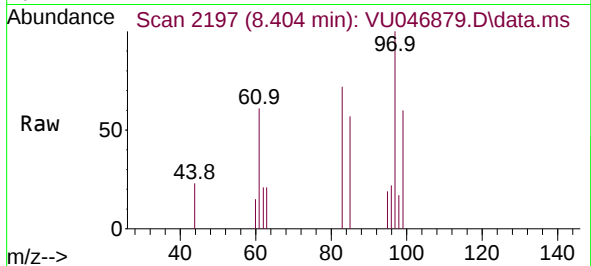


#45
1,1,2-Trichloroethane
Concen: 0.202 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Instrument :
MSVOA_U
ClientSampleId :
C0HK5

Tgt Ion: 97 Resp: 1118

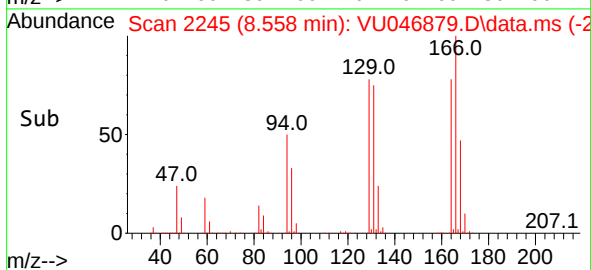
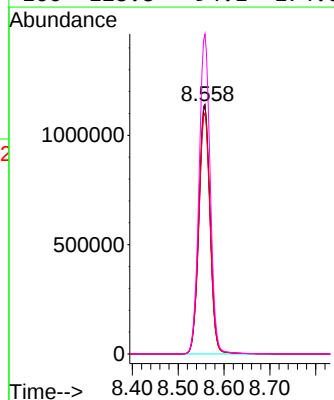
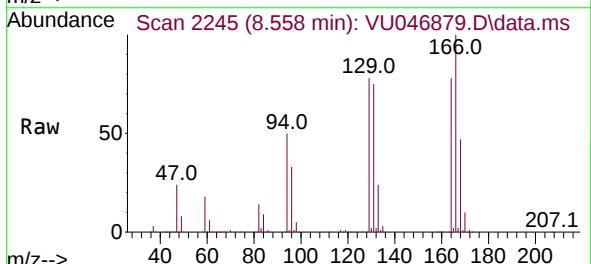
Ion	Ratio	Lower	Upper
97	100		
99	60.4	42.3	78.5
83	71.9	62.0	115.2
85	56.7	40.1	74.5

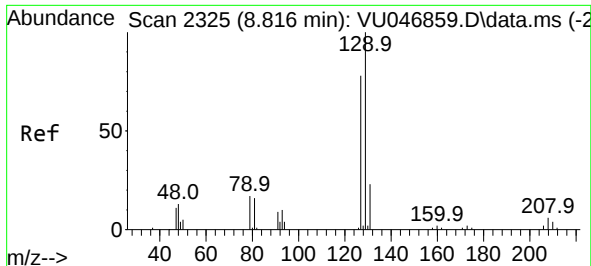


#47
Tetrachloroethene
Concen: 346.090 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 164 Resp: 1934123

Ion	Ratio	Lower	Upper
164	100		
129	100.5	71.8	133.4
131	97.0	68.5	127.3
166	128.8	94.1	174.8

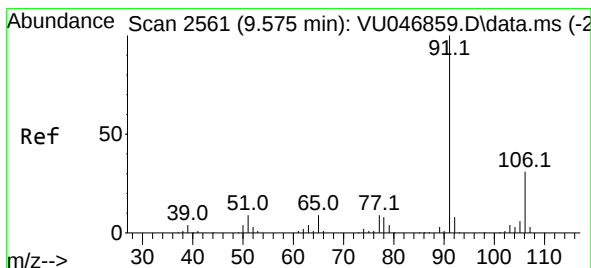
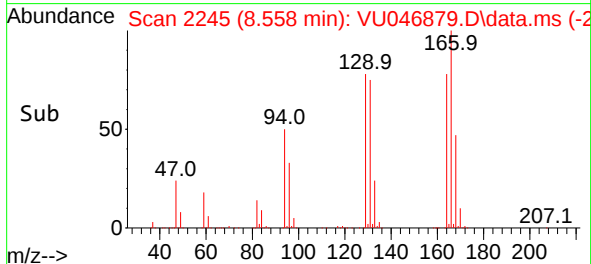
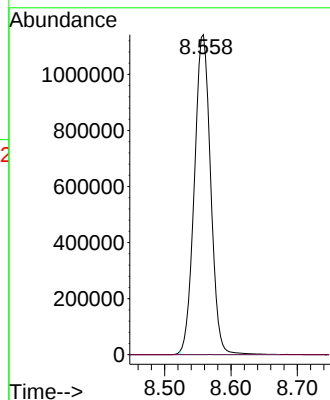
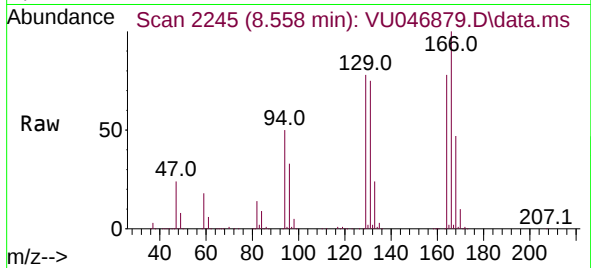




#49
Dibromochloromethane
Concen: 297.223 ug/L
RT: 8.558 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

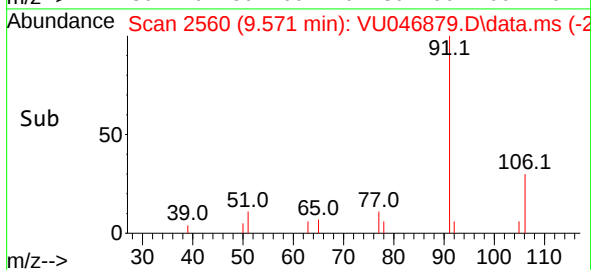
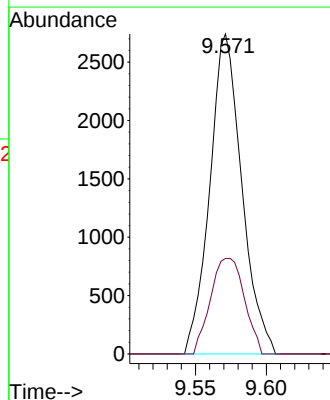
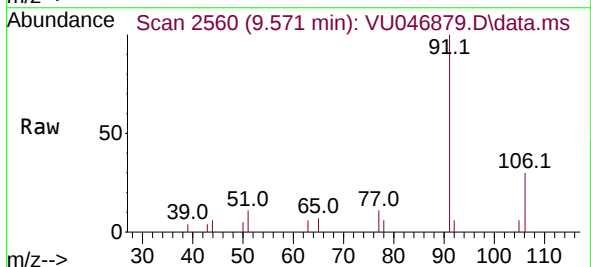
Instrument :
MSVOA_U
ClientSampleId :
C0HK5

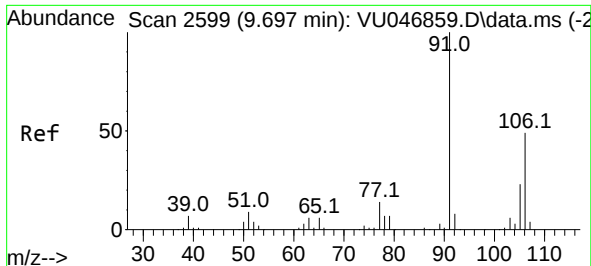
Tgt Ion:129 Resp: 1936553
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#52
Ethylbenzene
Concen: 0.143 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.003 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 91 Resp: 4303
Ion Ratio Lower Upper
91 100
106 29.9 21.5 39.9

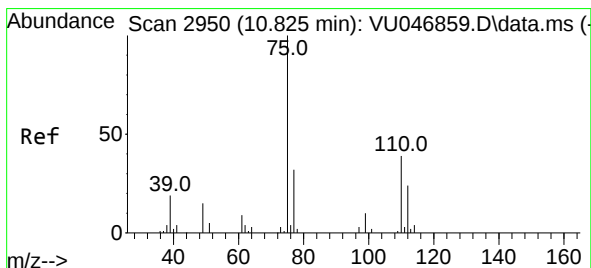
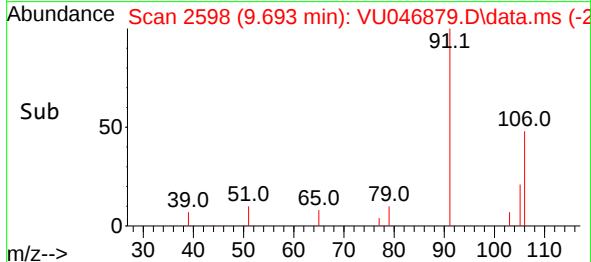
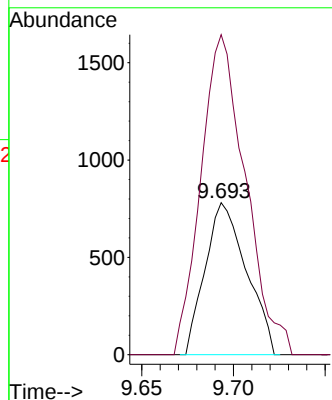
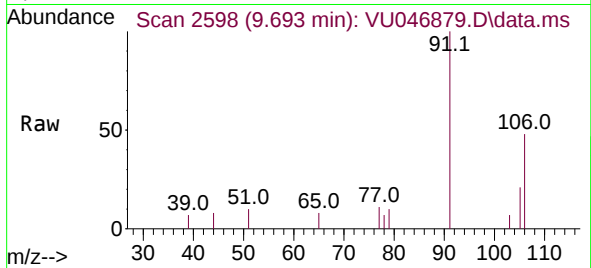




#53
m,p-Xylene
Concen: 0.102 ug/L
RT: 9.693 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

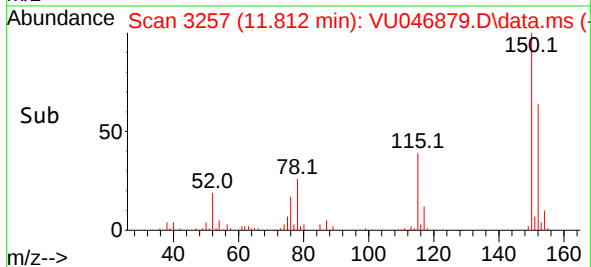
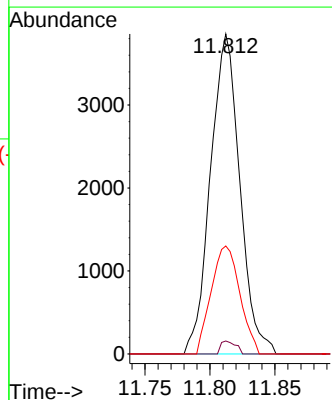
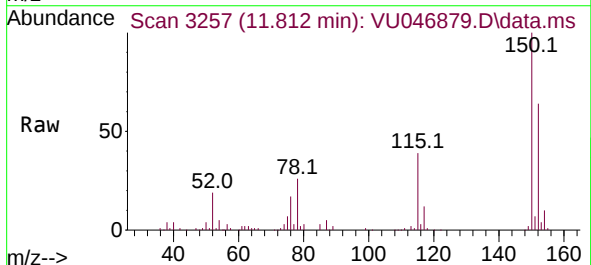
Instrument :
MSVOA_U
ClientSampleId :
C0HK5

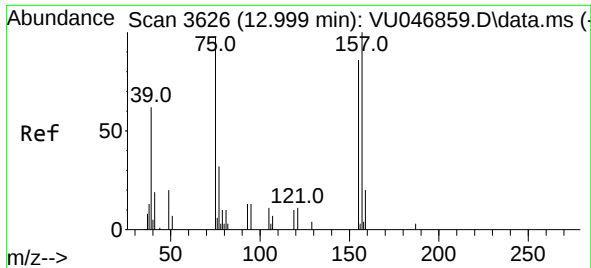
Tgt Ion:106 Resp: 1225
Ion Ratio Lower Upper
106 100
91 210.5 139.4 259.0



#61
1,2,3-Trichloropropane
Concen: 1.382 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046879.D
Acq: 27 Jan 2022 19:02

Tgt Ion: 75 Resp: 6047
Ion Ratio Lower Upper
75 100
110 2.0 29.9 44.9#
77 32.8 25.5 38.3





#68

1,2-Dibromo-3-chloropropane

Concen: 0.162 ug/L

RT: 12.777 min Scan# 31

Delta R.T. -0.222 min

Lab File: VU046879.D

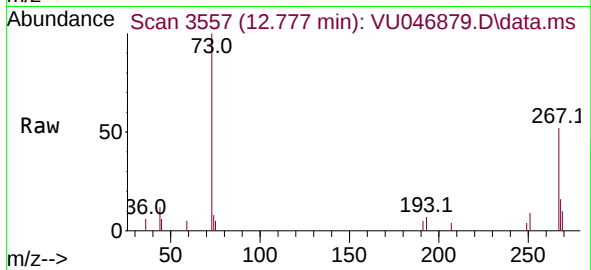
Acq: 27 Jan 2022 19:02

Instrument :

MSVOA_U

ClientSampleId :

C0HK5



Tgt Ion: 75 Resp: 147

Ion Ratio Lower Upper

75 100

155 0.0 59.2 88.8#

157 0.0 76.5 114.7#

