

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
 Data File : VU047162.D
 Acq On : 16 Feb 2022 15:39
 Operator : SY/MD
 Sample : N1545-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 17 04:05:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Feb 16 13:52:04 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	179516	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	183997	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	104689	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	75714	4.994	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.800%
7) Chloroethane-d5	1.919	69	60296	5.018	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.400%
11) 1,1-Dichloroethene-d2	2.575	65	30794	4.911	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.200%
20) 2-Butanone-d5	4.642	46	174700	48.208	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.420%
24) Chloroform-d	5.070	84	124691	4.951	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
26) 1,2-Dichloroethane-d4	5.706	65	68224	4.872	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	5.732	84	263997	5.135	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.800%
36) 1,2-Dichloropropane-d6	6.693	67	83443	5.101	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.902	98	253407	5.039	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.800%
43) trans-1,3-Dichloroprop...	8.182	79	35698	4.814	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.636	63	173108	44.334	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.660%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	68276	4.592	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.800%
66) 1,2-Dichlorobenzene-d4	12.195	152	97873	5.211	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.607	62	3176	0.191	ug/L #	55
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	949	0.078	ug/L #	21
12) 1,1-Dichloroethene	2.587	96	31555	2.671	ug/L	85
13) Acetone	2.658	43	7768	4.282	ug/L	59
15) Methyl Acetate	2.964	43	1705	0.304	ug/L #	51
17) Methyl tert-butyl Ether	3.369	73	55275	1.712	ug/L	93
18) trans-1,2-Dichloroethene	3.362	96	1064	0.083	ug/L	78
19) 1,1-Dichloroethane	3.877	63	23163	1.038	ug/L	97
22) cis-1,2-Dichloroethene	4.674	96	126341	9.093	ug/L	100
29) 1,1,1-Trichloroethane	5.321	97	16626	0.834	ug/L	97
31) Carbon tetrachloride	5.317	117	2062	0.119	ug/L	95
33) Benzene	5.780	78	7000	0.134	ug/L	100
34) Trichloroethene	6.546	95	713108	51.137	ug/L	96
35) Methylcyclohexane	6.693	83	19086	0.811	ug/L #	31
37) 1,2-Dichloropropane	6.693	63	8820	0.653	ug/L #	88
39) cis-1,3-Dichloropropene	7.568	75	2318	0.110	ug/L #	52
42) Toluene	7.973	91	13700	0.235	ug/L	98
45) 1,1,2-Trichloroethane	8.552	97	3029	0.289	ug/L #	1
47) Tetrachloroethene	8.555	164	400055	35.350	ug/L	94

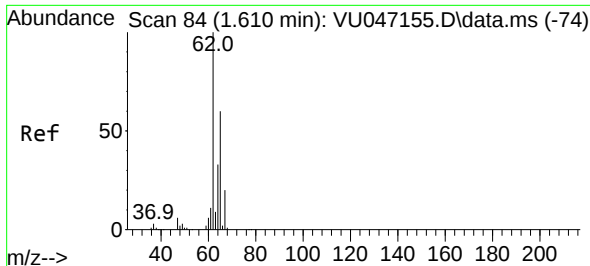
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
Data File : VU047162.D
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Operator : SY/MD
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR021622WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Feb 16 13:52:04 2022
Response via : Initial Calibration

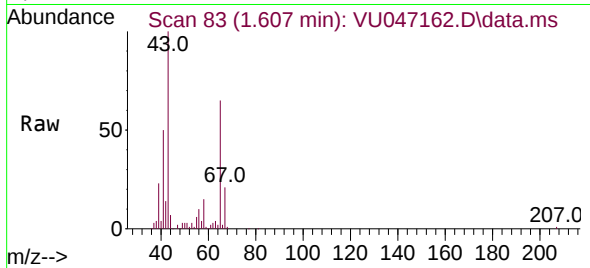
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.555	129	379213	29.997	ug/L #	10
53) m,p-Xylene	9.697	106	2289	0.091	ug/L	96
61) 1,2,3-Trichloropropane	11.812	75	12167	1.217	ug/L #	67

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

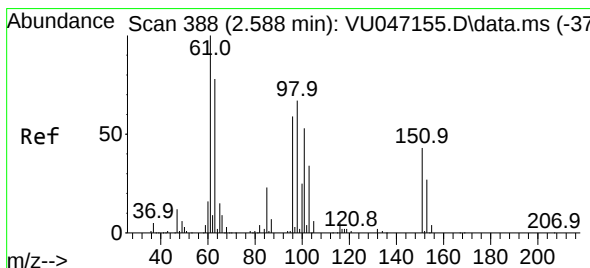
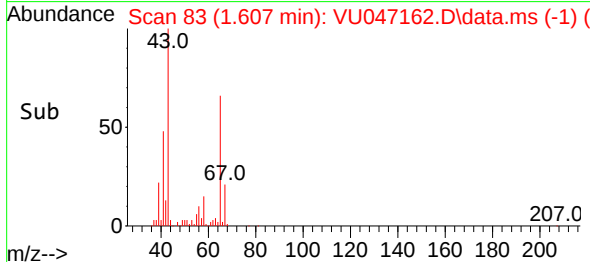
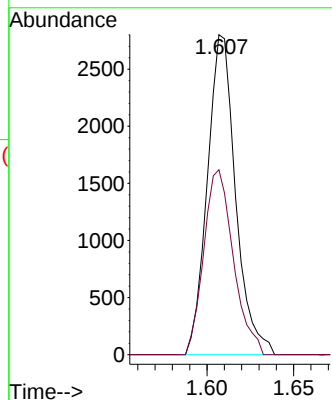


#5
 Vinyl chloride
 Concen: 0.191 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU047162.D
 Acq: 16 Feb 2022 15:39

Instrument :
 MSVOA_U
 ClientSampleId :

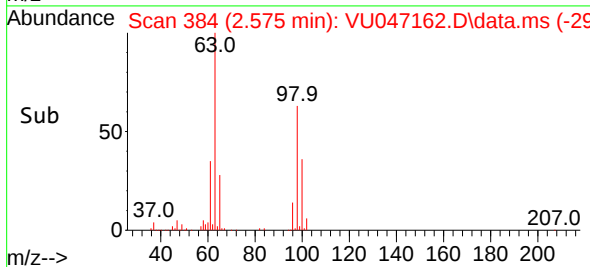
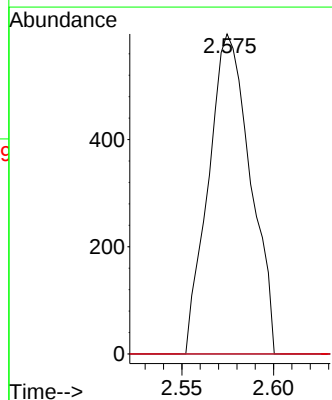
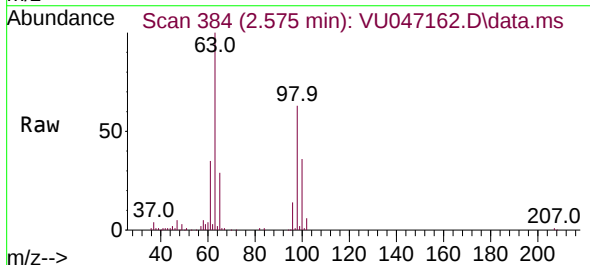


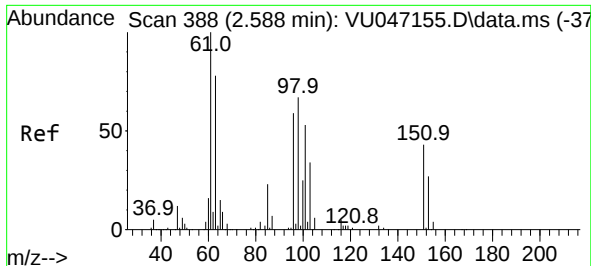
Tgt Ion: 62 Resp: 3176
 Ion Ratio Lower Upper
 62 100
 64 57.8 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.078 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.013 min
 Lab File: VU047162.D
 Acq: 16 Feb 2022 15:39

Tgt Ion: 101 Resp: 949
 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: 2.671 ug/L

RT: 2.587 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Instrument :

MSVOA_U

ClientSampleId :

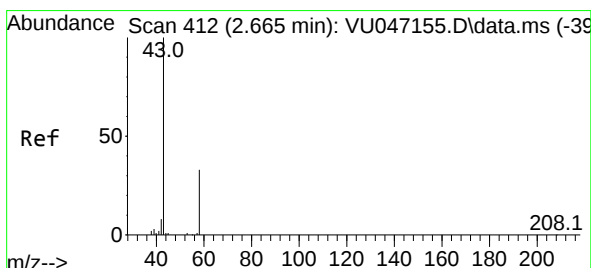
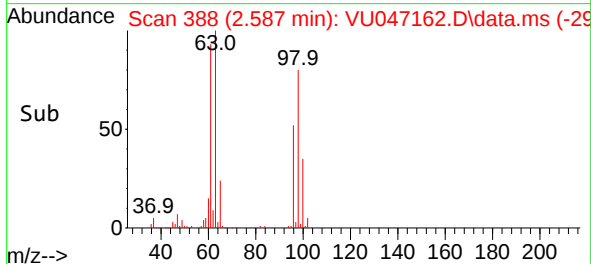
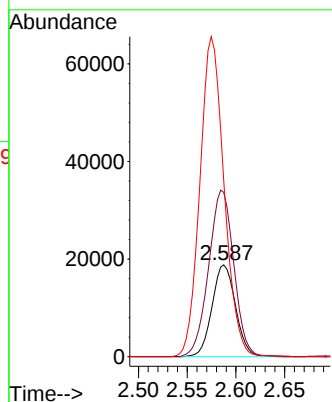
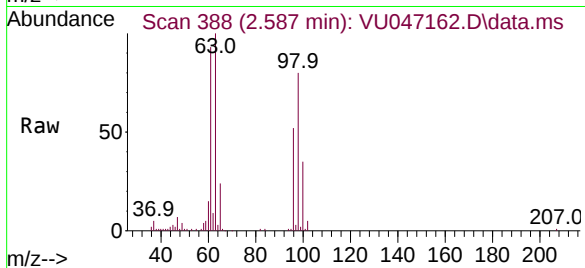
Tgt Ion: 96 Resp: 31555

Ion Ratio Lower Upper

96 100

61 178.9 124.7 231.5

63 191.8 105.2 195.4



#13

Acetone

Concen: 4.282 ug/L

RT: 2.658 min Scan# 410

Delta R.T. -0.007 min

Lab File: VU047162.D

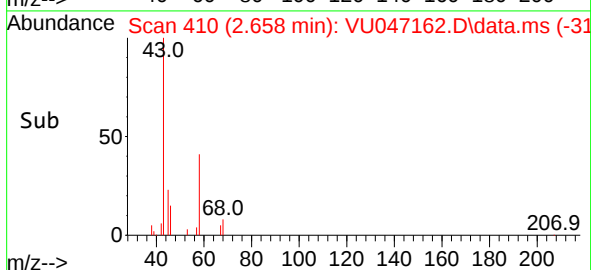
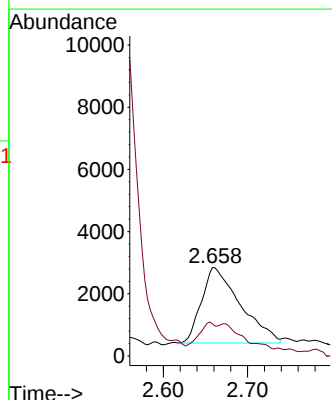
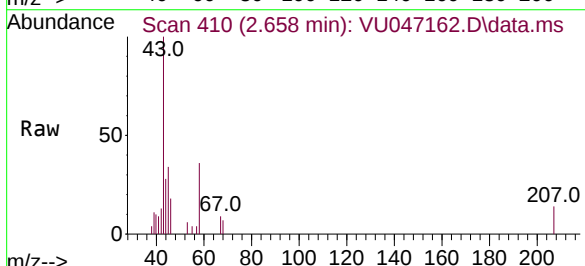
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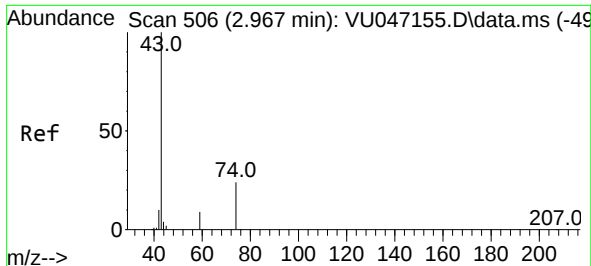
Tgt Ion: 43 Resp: 7768

Ion Ratio Lower Upper

43 100

58 12.0 0.0 71.6

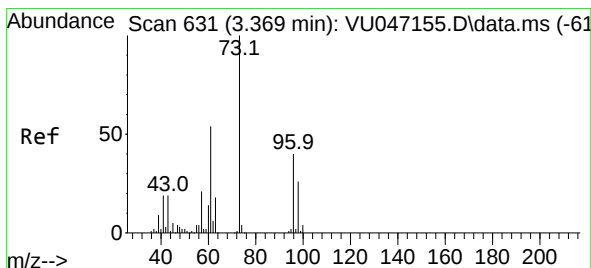
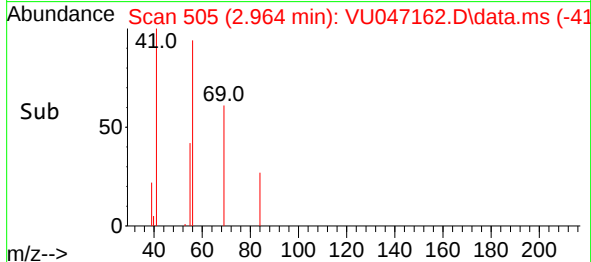
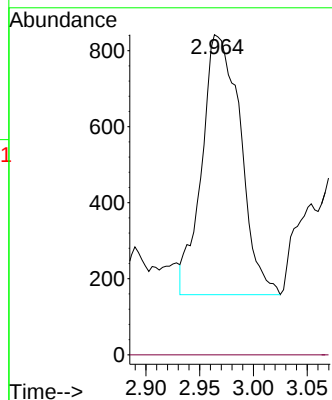
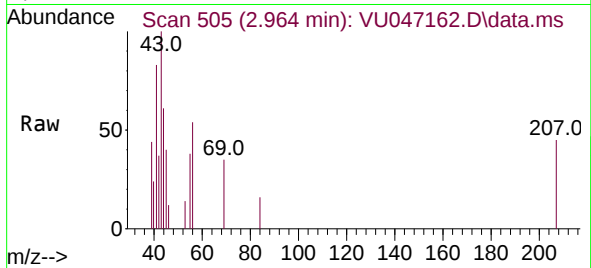




#15
Methyl Acetate
Concen: 0.304 ug/L
RT: 2.964 min Scan# 506
Delta R.T. -0.003 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

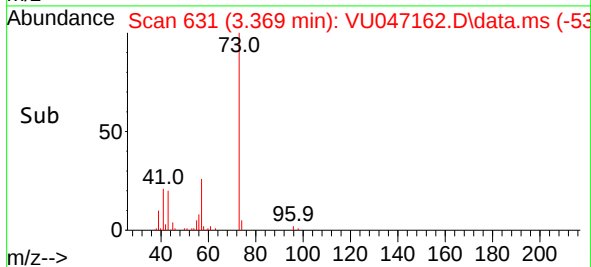
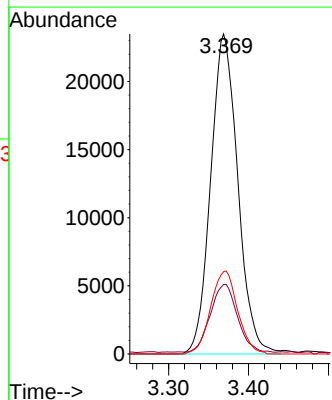
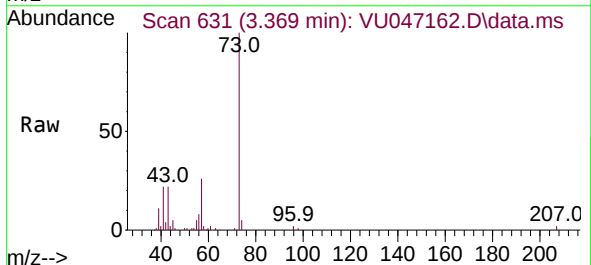
Instrument :
MSVOA_U
ClientSampleId :

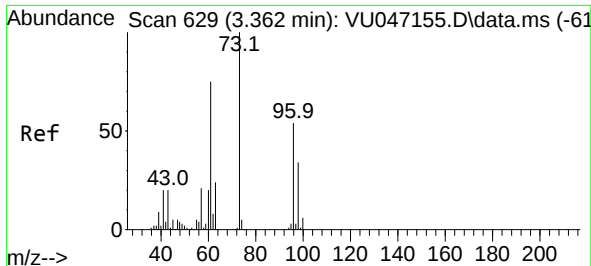
Tgt Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
74 0.0 19.1 28.7#



#17
Methyl tert-butyl Ether
Concen: 1.712 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.000 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

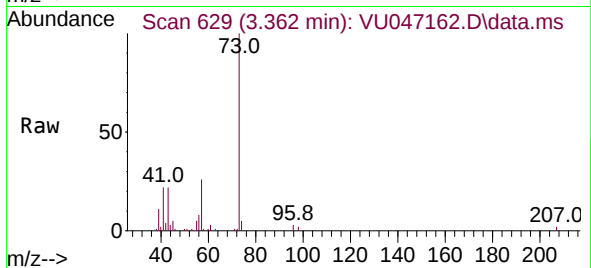
Tgt Ion: 73 Resp: 55275
Ion Ratio Lower Upper
73 100
43 21.1 14.8 22.2
57 25.8 17.4 26.0



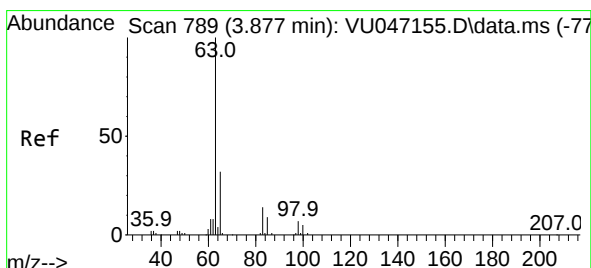
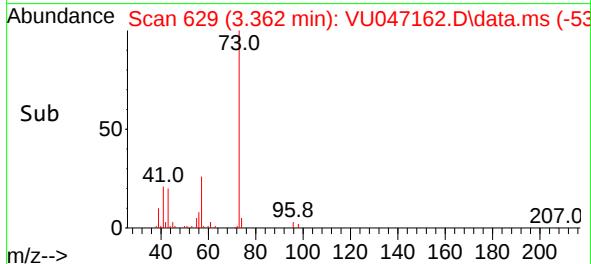
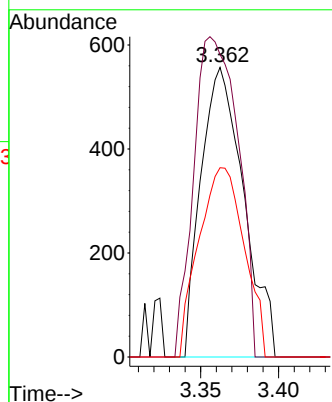


#18
trans-1,2-Dichloroethene
Concen: 0.083 ug/L
RT: 3.362 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

Instrument :
MSVOA_U
ClientSampleId :

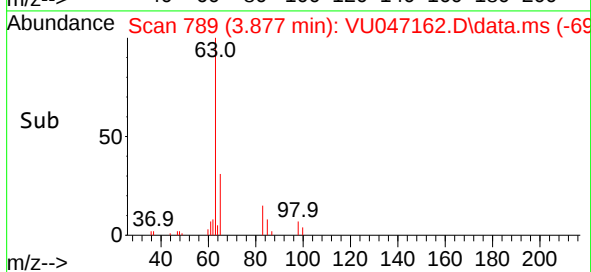
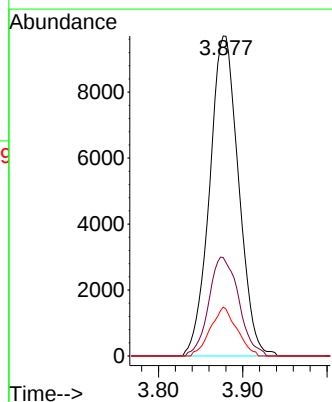
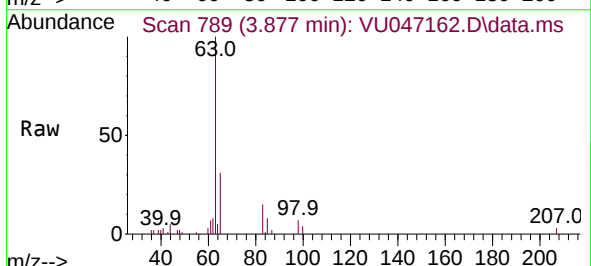


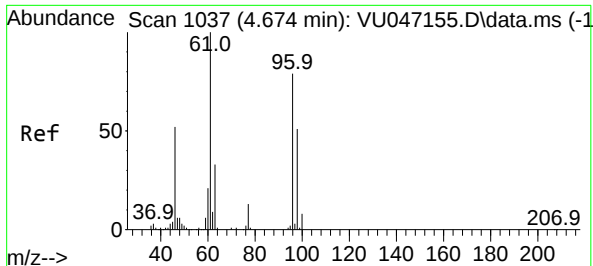
Tgt Ion: 96 Resp: 1064
Ion Ratio Lower Upper
96 100
61 104.5 100.8 187.2
98 65.4 45.1 83.7



#19
1,1-Dichloroethane
Concen: 1.038 ug/L
RT: 3.877 min Scan# 789
Delta R.T. -0.000 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

Tgt Ion: 63 Resp: 23163
Ion Ratio Lower Upper
63 100
65 30.8 22.3 41.5
83 15.3 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 9.093 ug/L

RT: 4.674 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Instrument :

MSVOA_U

ClientSampleId :

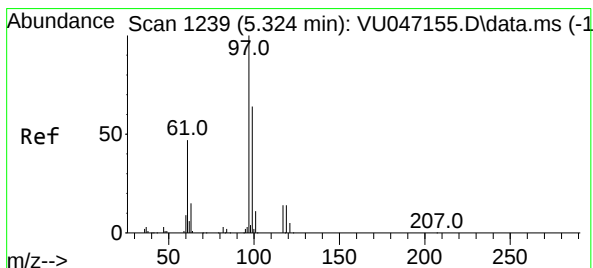
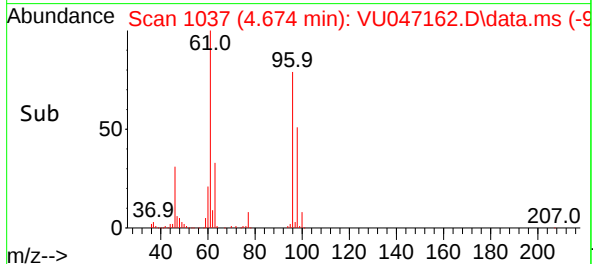
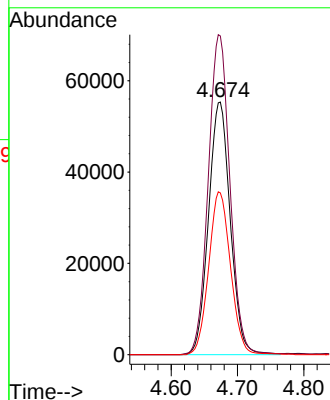
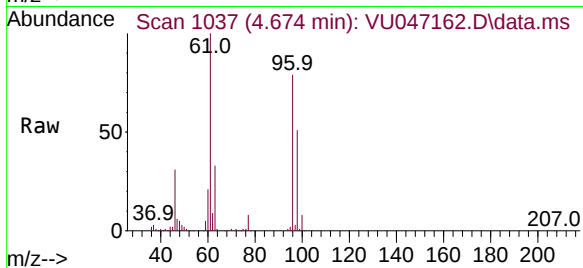
Tgt Ion: 96 Resp: 126341

Ion Ratio Lower Upper

96 100

61 126.2 88.5 164.3

98 64.0 44.4 82.5



#29

1,1,1-Trichloroethane

Concen: 0.834 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.003 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

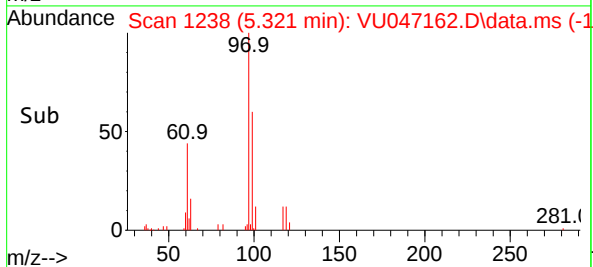
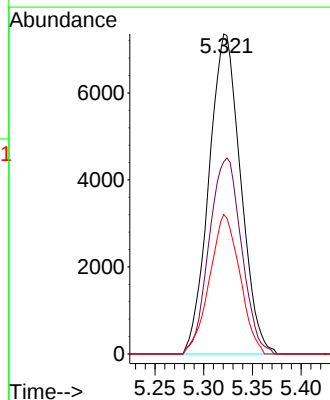
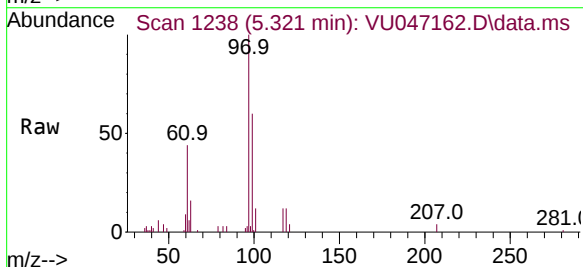
Tgt Ion: 97 Resp: 16626

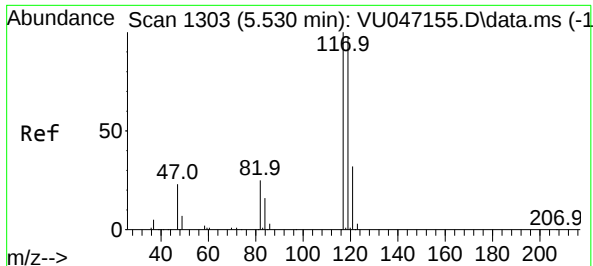
Ion Ratio Lower Upper

97 100

99 62.3 51.3 76.9

61 41.7 36.1 54.1

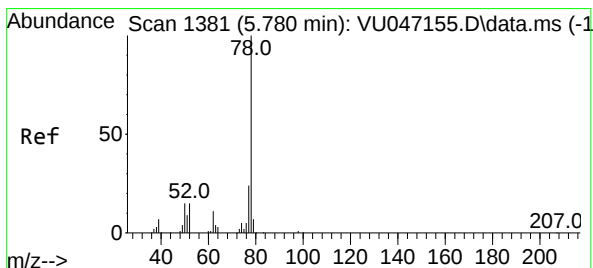
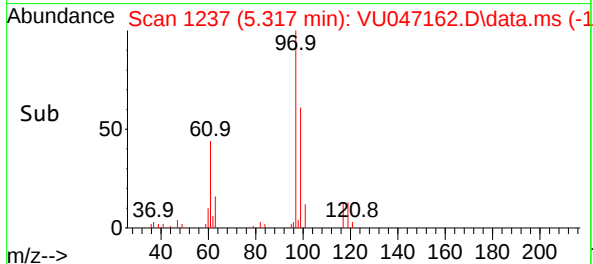
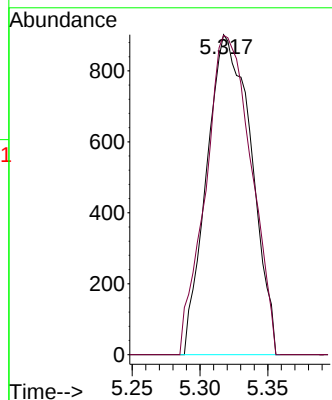
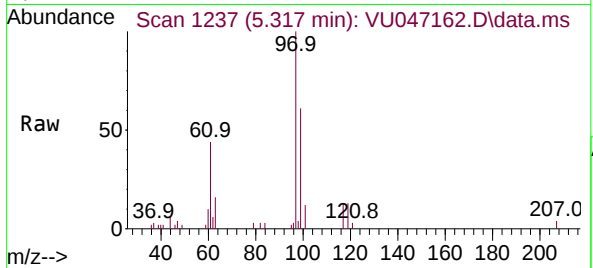




#31
Carbon tetrachloride
Concen: 0.119 ug/L
RT: 5.317 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

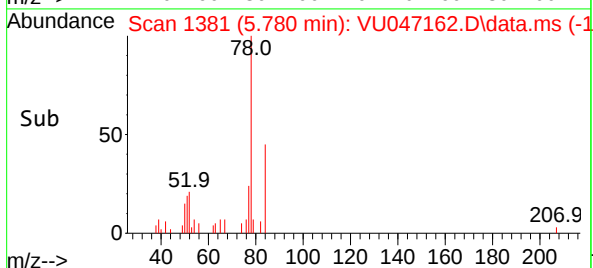
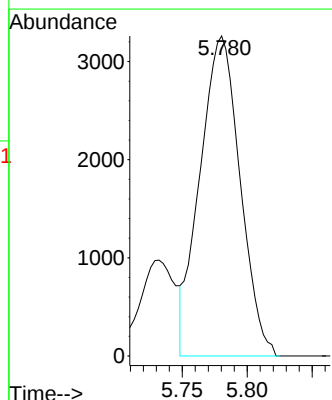
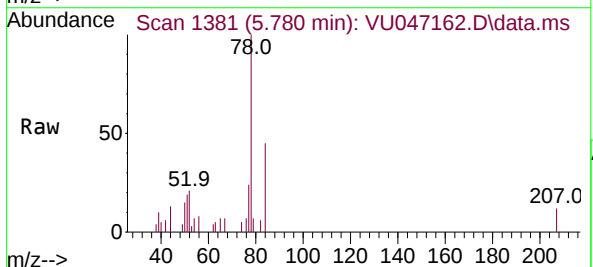
Instrument : MSVOA_U
ClientSampleId :

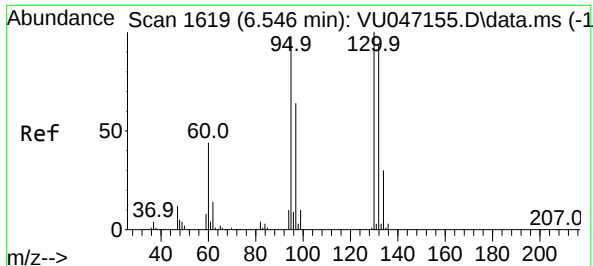
Tgt Ion:117 Resp: 2062
Ion Ratio Lower Upper
117 100
119 102.0 77.5 116.3



#33
Benzene
Concen: 0.134 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

Tgt Ion: 78 Resp: 7000





#34

Trichloroethene

Concen: 51.137 ug/L

RT: 6.546 min Scan# 1

Delta R.T. -0.000 min

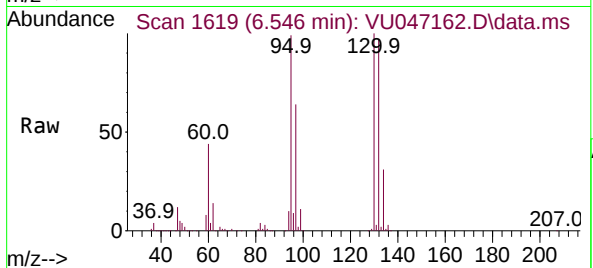
Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 95 Resp: 713108

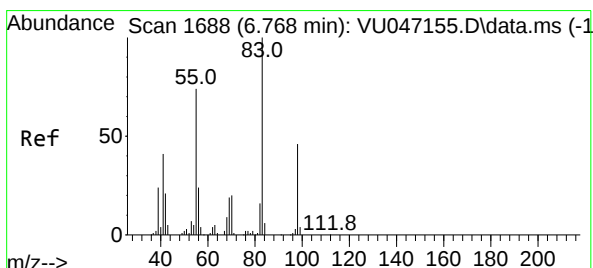
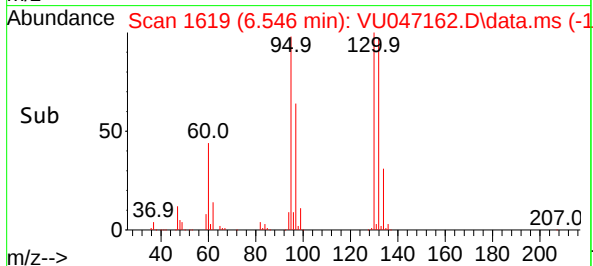
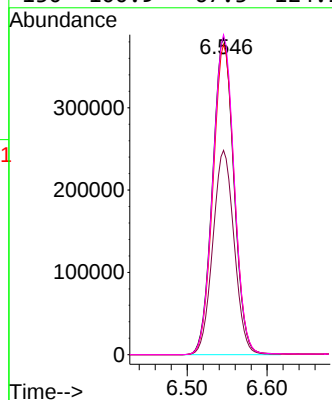
Ion Ratio Lower Upper

95 100

97 64.4 46.5 86.5

132 97.9 65.1 120.9

130 100.9 67.3 124.9



#35

Methylcyclohexane

Concen: 0.811 ug/L

RT: 6.693 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

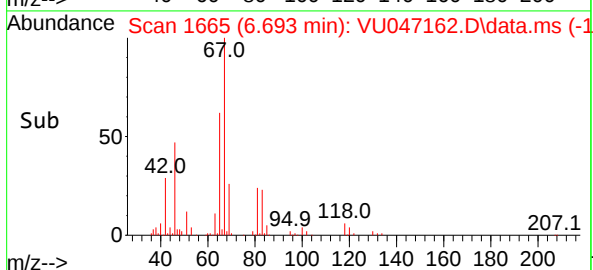
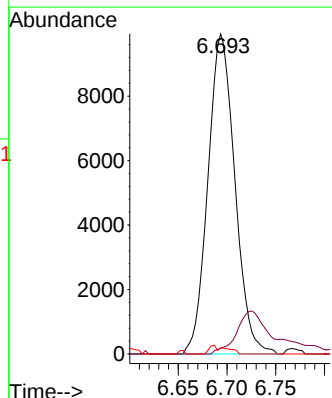
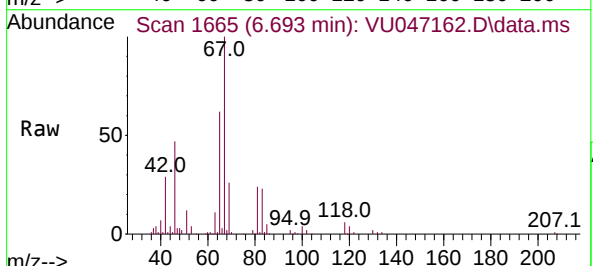
Tgt Ion: 83 Resp: 19086

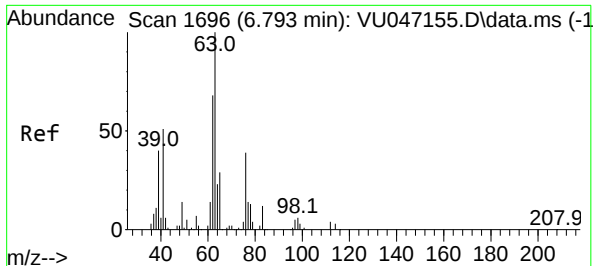
Ion Ratio Lower Upper

83 100

55 19.5 61.9 92.9#

98 0.0 39.0 58.6#





#37

1,2-Dichloropropane

Concen: 0.653 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Instrument :

MSVOA_U

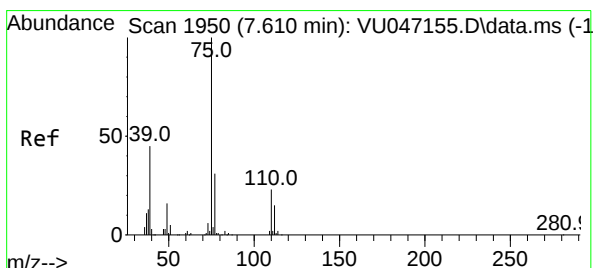
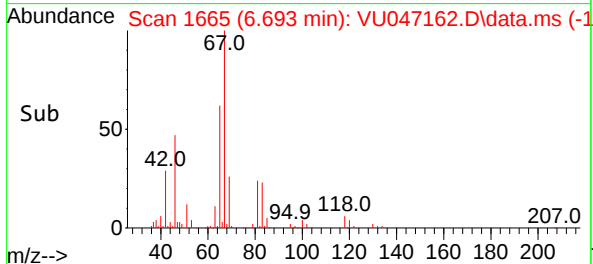
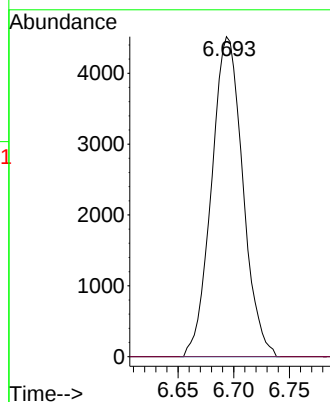
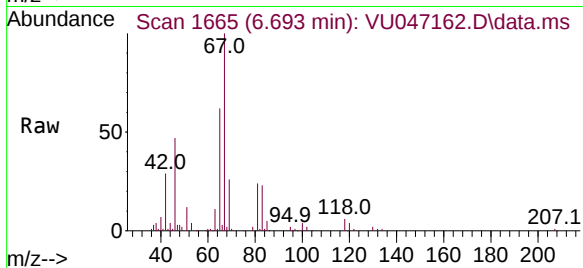
ClientSampleId :

Tgt Ion: 63 Resp: 8820

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#39

cis-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 7.568 min Scan# 1937

Delta R.T. -0.042 min

Lab File: VU047162.D

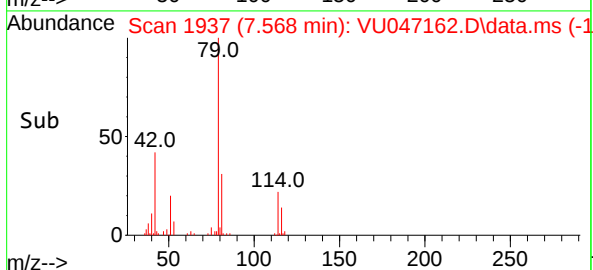
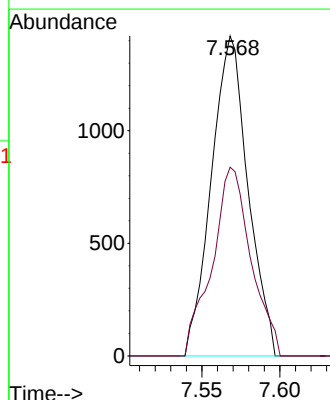
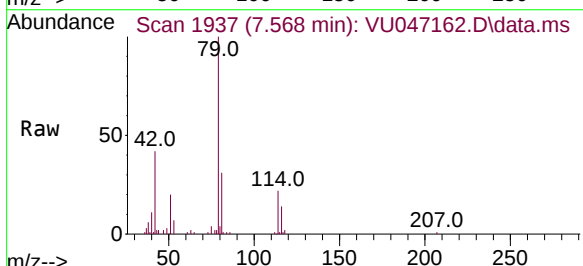
Acq: 16 Feb 2022 15:39

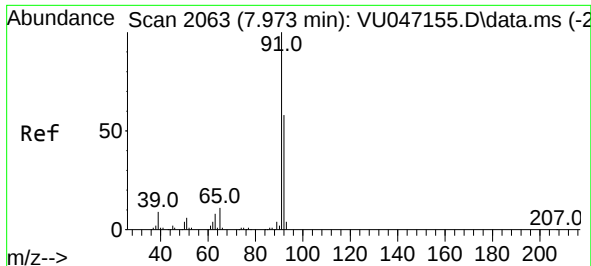
Tgt Ion: 75 Resp: 2318

Ion Ratio Lower Upper

75 100

77 59.0 22.5 41.9#





#42

Toluene

Concen: 0.235 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Instrument :

MSVOA_U

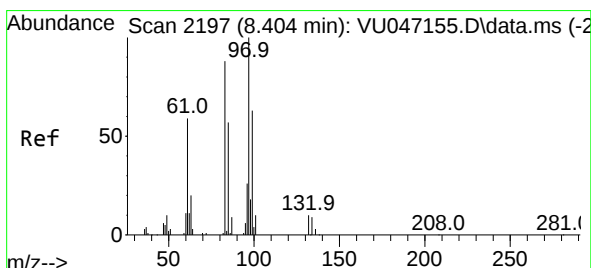
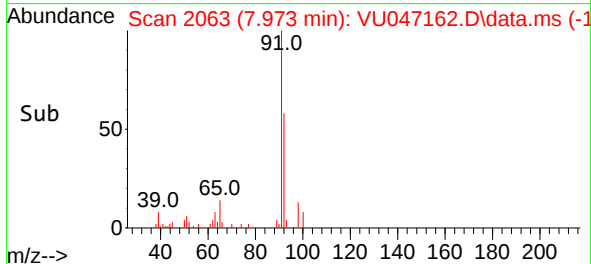
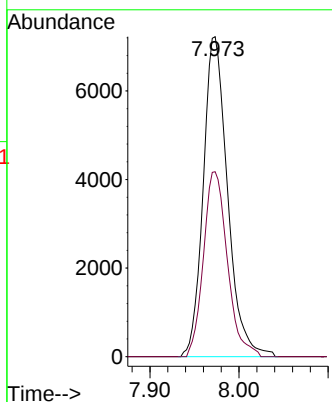
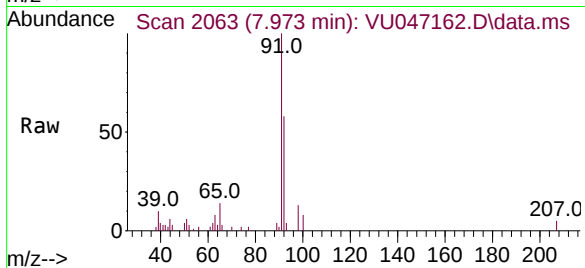
ClientSampleId :

Tgt Ion: 91 Resp: 13700

Ion Ratio Lower Upper

91 100

92 57.8 41.3 76.7



#45

1,1,2-Trichloroethane

Concen: 0.289 ug/L

RT: 8.552 min Scan# 2243

Delta R.T. 0.148 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Tgt Ion: 97 Resp: 3029

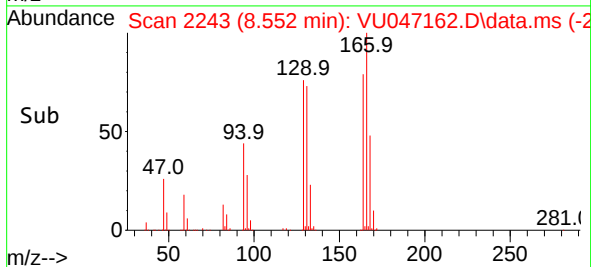
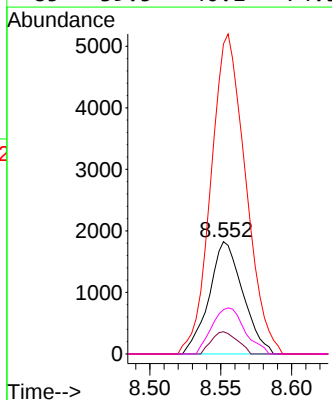
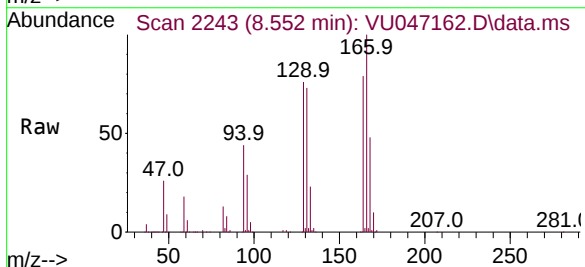
Ion Ratio Lower Upper

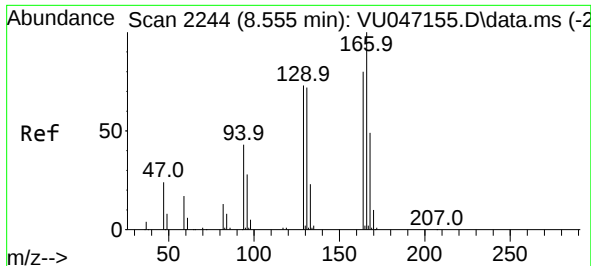
97 100

99 19.8 42.3 78.5#

83 276.3 62.0 115.2#

85 39.5 40.1 74.5#





#47

Tetrachloroethene

Concen: 35.350 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU047162.D

Acq: 16 Feb 2022 15:39

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:164 Resp: 400055

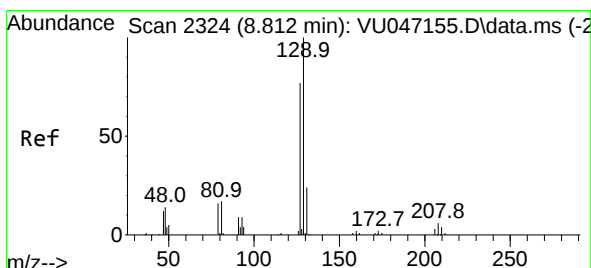
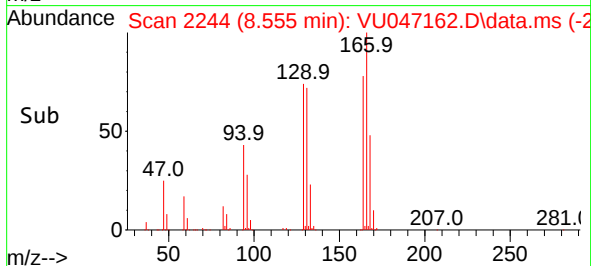
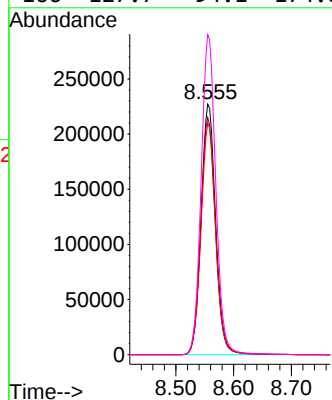
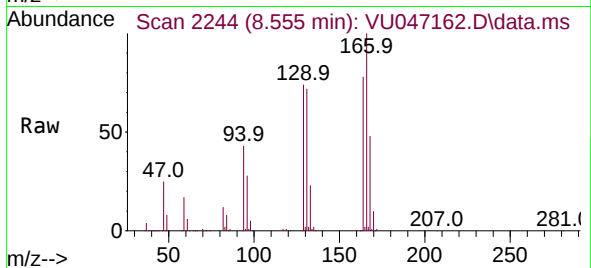
Ion Ratio Lower Upper

164 100

129 94.6 71.8 133.4

131 92.4 68.5 127.3

166 127.7 94.1 174.8



#49

Dibromochloromethane

Concen: 29.997 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU047162.D

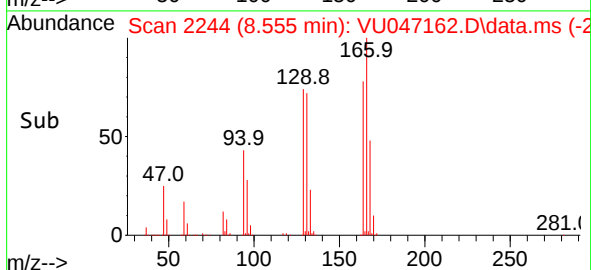
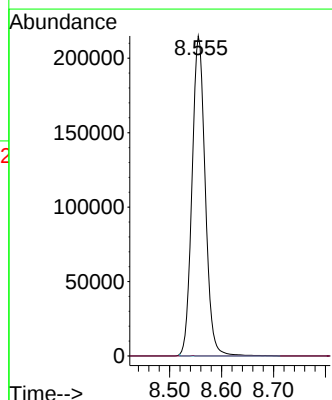
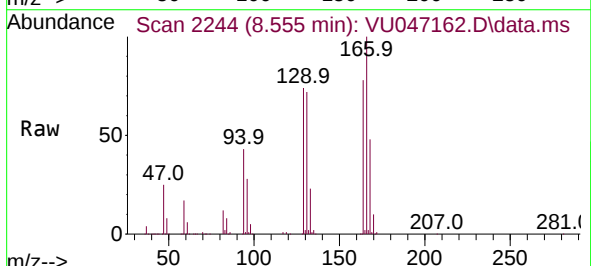
Acq: 16 Feb 2022 15:39

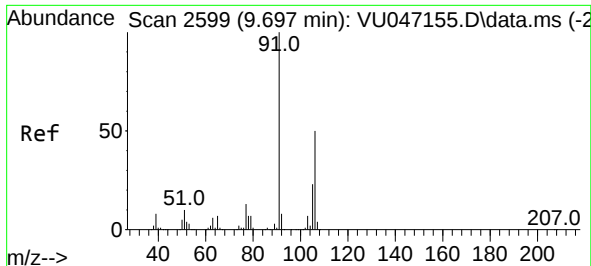
Tgt Ion:129 Resp: 379213

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#

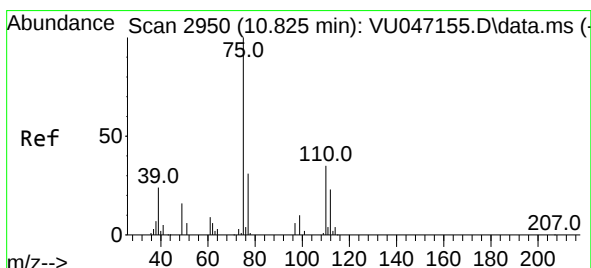
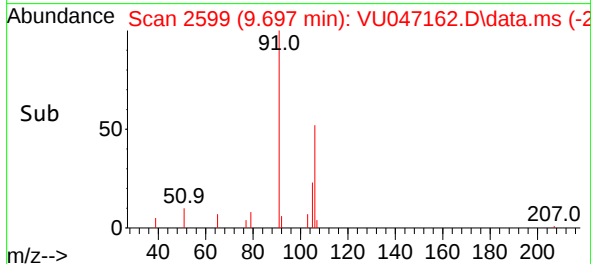
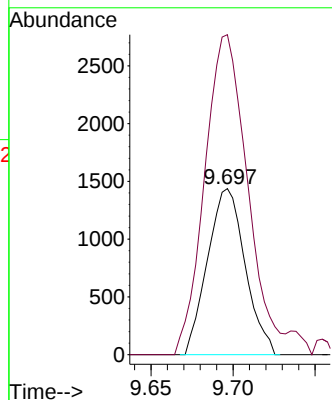
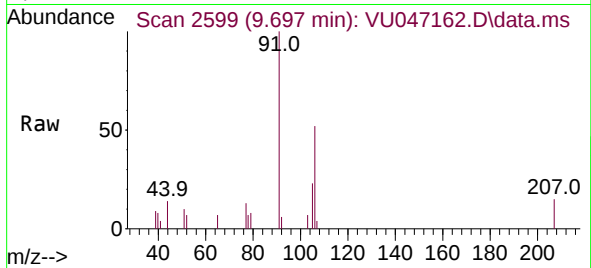




#53
m,p-Xylene
Concen: 0.091 ug/L
RT: 9.697 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:106 Resp: 2289
Ion Ratio Lower Upper
106 100
91 192.6 139.4 259.0



#61
1,2,3-Trichloropropane
Concen: 1.217 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU047162.D
Acq: 16 Feb 2022 15:39

Tgt Ion: 75 Resp: 12167
Ion Ratio Lower Upper
75 100
110 1.9 29.9 44.9#
77 33.2 25.5 38.3

