

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
 Data File : VU047031.D
 Acq On : 03 Feb 2022 19:03
 Operator : SY/MD
 Sample : N1348-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 04 05:49:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Feb 03 02:56:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.327	114	102563	5.000	ug/L	0.07
28) Chlorobenzene-d5	9.436	117	120587	5.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.819	152	72704	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.675	65	43231	4.974	ug/L	0.07
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.400%
7) Chloroethane-d5	1.990	69	32042	4.679	ug/L	0.07
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.652	65	17359	5.021	ug/L	0.08
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.400%
20) 2-Butanone-d5	4.797	46	96427	37.453	ug/L	0.15
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.900%
24) Chloroform-d	5.163	84	75261	4.933	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.600%
26) 1,2-Dichloroethane-d4	5.803	65	38508	4.635	ug/L	0.10
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.600%
32) Benzene-d6	5.822	84	136408	3.849	ug/L	0.09
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.758	67	45007	4.230	ug/L	0.06
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.600%
41) Toluene-d8	7.938	98	105028	3.238	ug/L	0.04
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.800%#
43) trans-1,3-Dichloroprop...	8.214	79	15459	3.308	ug/L	0.03
Spiked Amount	5.000	Range	55 - 130	Recovery	=	66.200%
46) 2-Hexanone-d5	8.668	63	76229	27.549	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	55.100%
56) 1,1,2,2-Tetrachloroeth...	10.767	84	38618	3.615	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	72.200%
66) 1,2-Dichlorobenzene-d4	12.198	152	44797	3.286	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	65.800%#
Target Compounds						
					Qvalue	
9) Trichlorofluoromethane	2.218	101	1352	0.134	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.658	101	406	0.068	ug/L #	21
12) 1,1-Dichloroethene	2.668	96	22308	3.895	ug/L	94
18) trans-1,2-Dichloroethene	3.453	96	849	0.137	ug/L	79
19) 1,1-Dichloroethane	3.970	63	124009	11.909	ug/L	99
22) cis-1,2-Dichloroethene	4.752	96	51525	7.874	ug/L	98
25) Chloroform	5.189	83	26541	1.606	ug/L	97
27) 1,2-Dichloroethane	5.890	62	4679	0.641	ug/L	96
29) 1,1,1-Trichloroethane	5.417	97	7451	0.686	ug/L	97
31) Carbon tetrachloride	5.417	117	952	0.102	ug/L	96
34) Trichloroethene	6.610	95	24167	3.279	ug/L	99
35) Methylcyclohexane	6.758	83	10966	0.888	ug/L #	40
37) 1,2-Dichloropropane	6.761	63	4653	0.668	ug/L #	88
38) Bromodichloromethane	6.954	83	597	0.060	ug/L #	87
42) Toluene	8.005	91	8066	0.238	ug/L	96
47) Tetrachloroethene	8.581	164	37468	6.250	ug/L	93
49) Dibromochloromethane	8.581	129	35804	5.122	ug/L #	10
53) m,p-Xylene	9.710	106	1507	0.117	ug/L	68
61) 1,2,3-Trichloropropane	11.816	75	8281	1.344	ug/L #	66

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Feb 04 05:49:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 03 02:56:36 2022
Response via : Initial Calibration

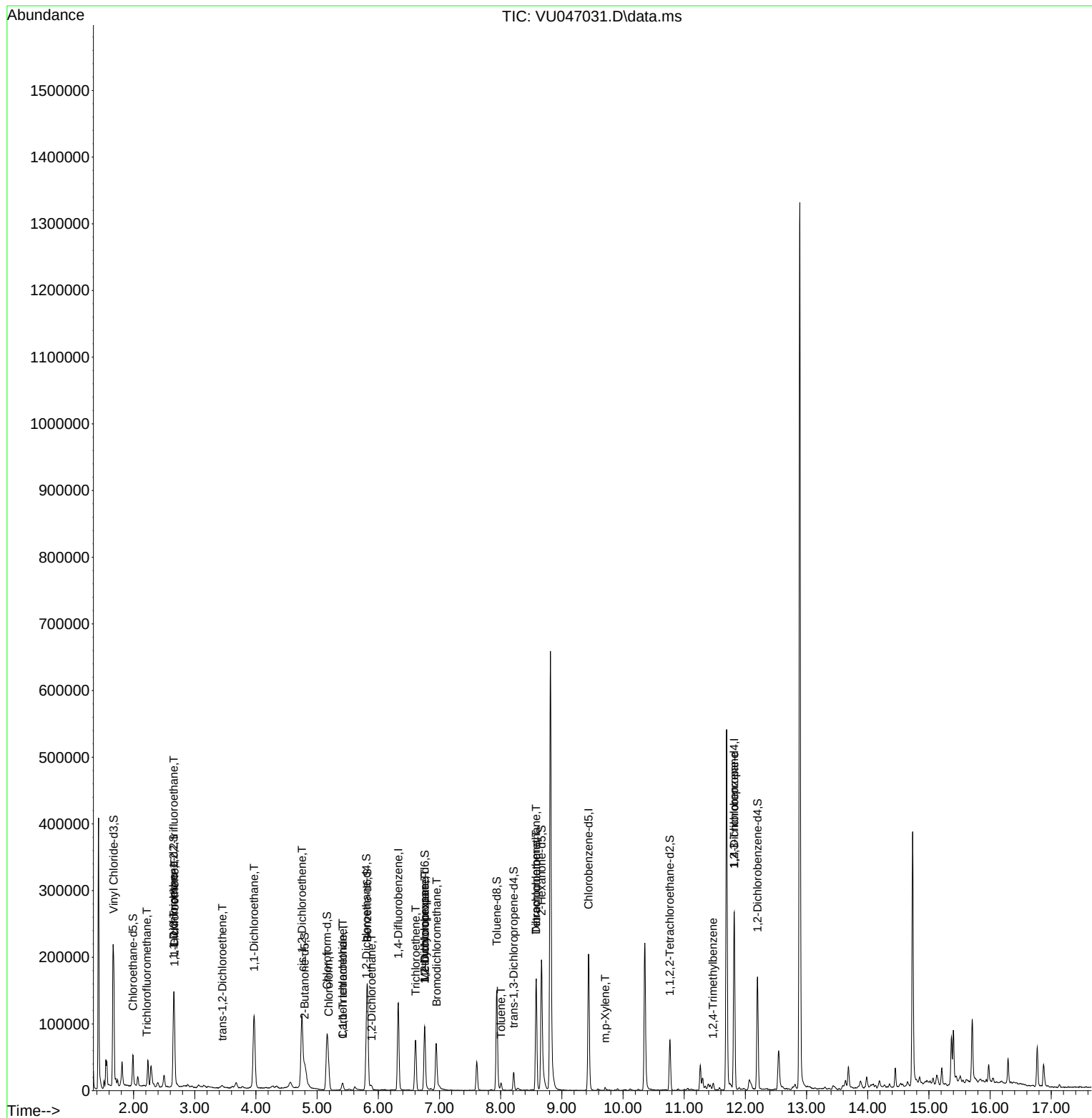
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
63) 1,2,4-Trimethylbenzene	11.472	105	2975	0.104	ug/L	89

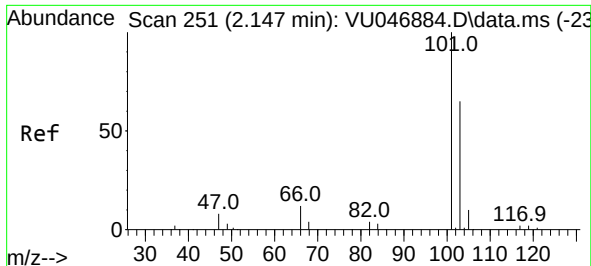
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
Data File : VU047031.D
Acq On : 03 Feb 2022 19:03
Operator : SY/MD
Sample : N1348-04
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

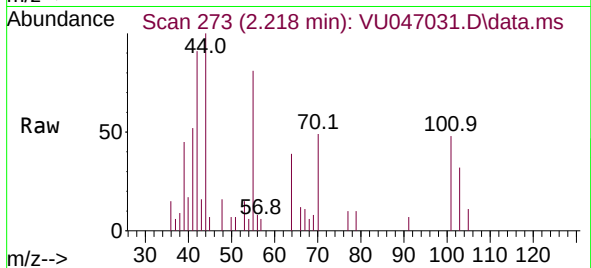
Quant Time: Feb 04 05:49:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Feb 03 02:56:36 2022
Response via : Initial Calibration



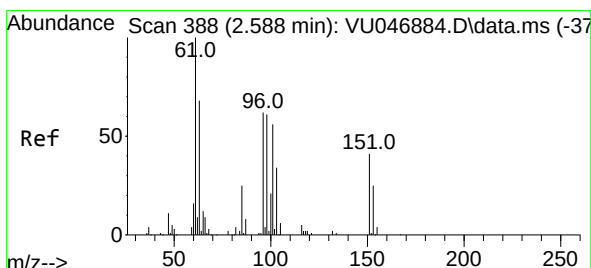
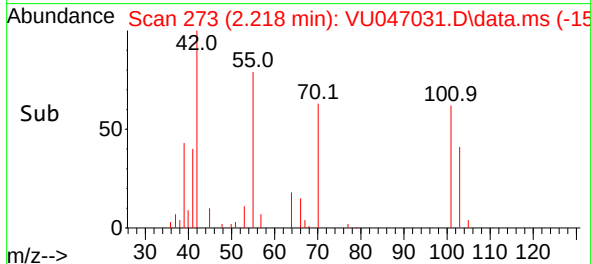
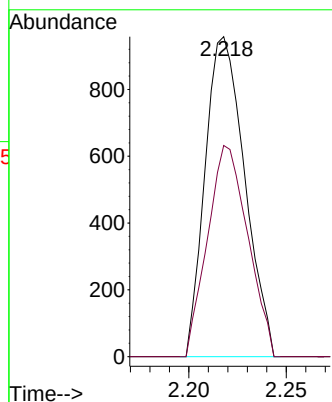


#9
 Trichlorofluoromethane
 Concen: 0.134 ug/L
 RT: 2.218 min Scan# 21
 Delta R.T. 0.071 min
 Lab File: VU047031.D
 Acq: 03 Feb 2022 19:03

Instrument :
 MSVOA_U
 ClientSampleId :

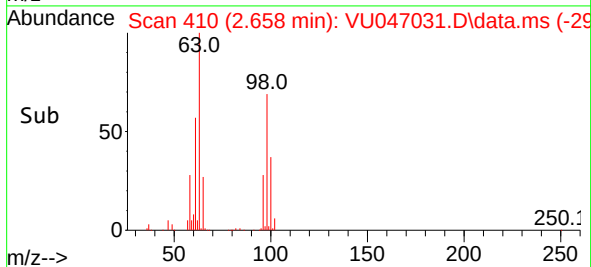
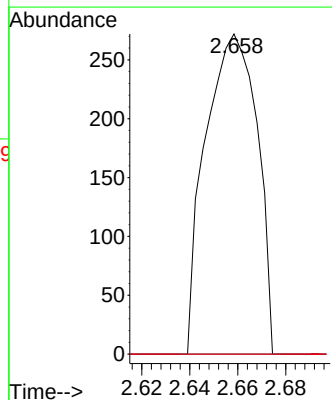
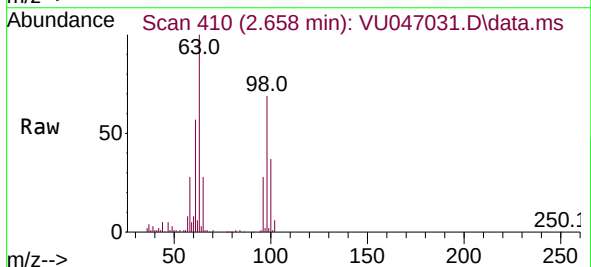


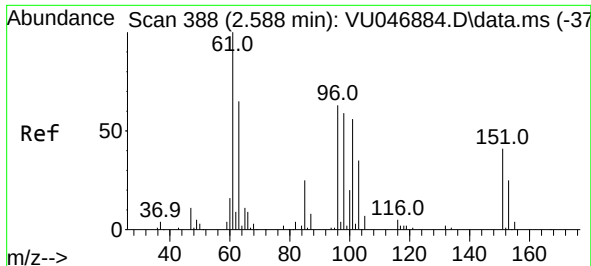
Tgt Ion:101 Resp: 1352
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.068 ug/L
 RT: 2.658 min Scan# 410
 Delta R.T. 0.067 min
 Lab File: VU047031.D
 Acq: 03 Feb 2022 19:03

Tgt Ion:101 Resp: 406
 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: 3.895 ug/L

RT: 2.668 min Scan# 413

Delta R.T. 0.080 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

ClientSampleId :

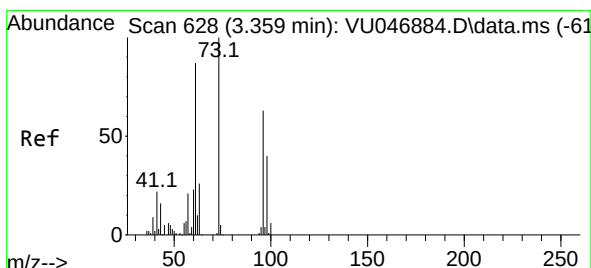
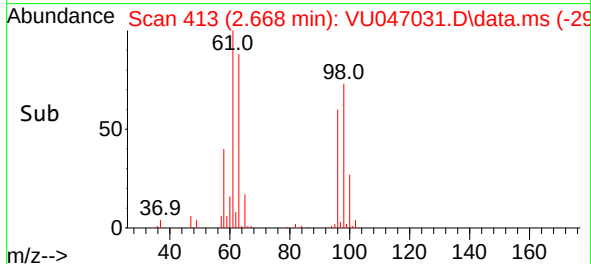
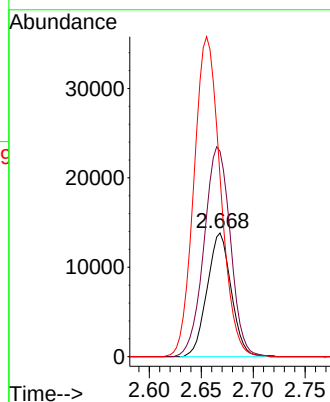
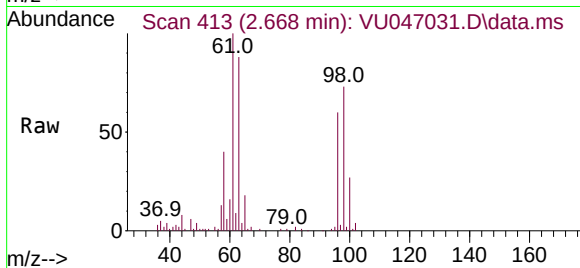
Tgt Ion: 96 Resp: 22308

Ion Ratio Lower Upper

96 100

61 166.0 124.7 231.5

63 145.6 105.2 195.4



#18

trans-1,2-Dichloroethene

Concen: 0.137 ug/L

RT: 3.453 min Scan# 657

Delta R.T. 0.093 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

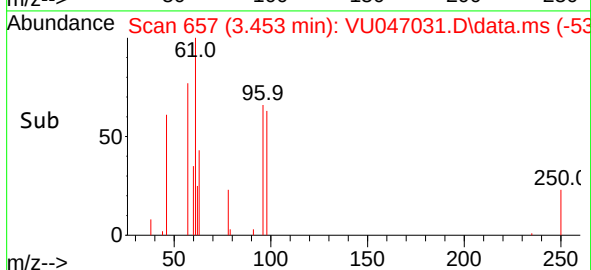
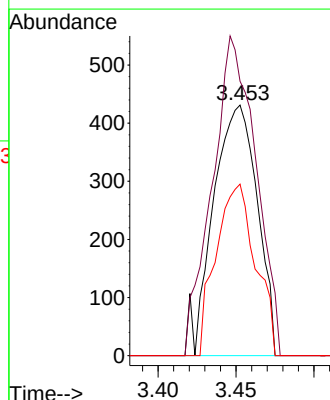
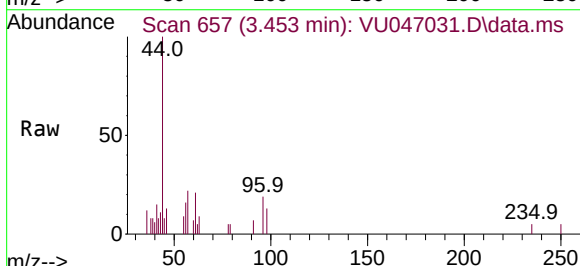
Tgt Ion: 96 Resp: 849

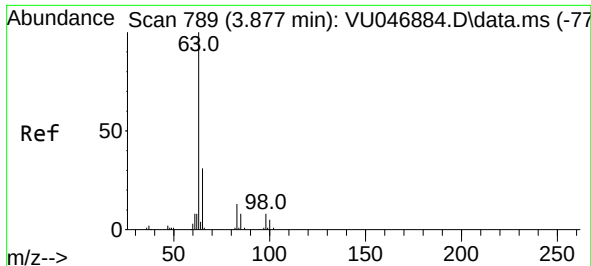
Ion Ratio Lower Upper

96 100

61 109.5 100.8 187.2

98 68.4 45.1 83.7





#19

1,1-Dichloroethane

Concen: 11.909 ug/L

RT: 3.970 min Scan# 81

Delta R.T. 0.093 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

ClientSampleId :

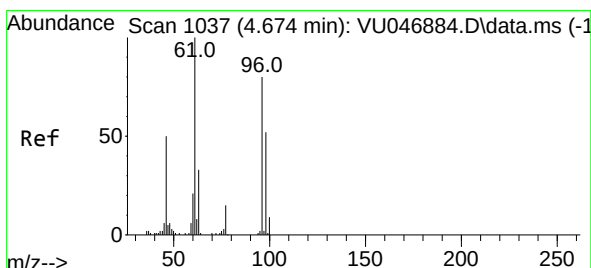
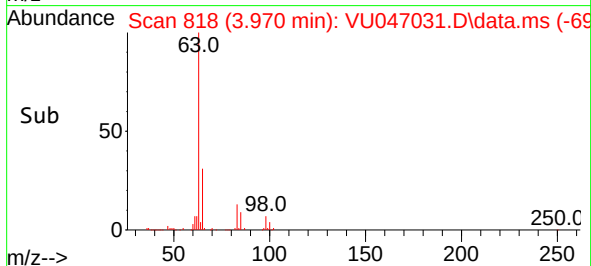
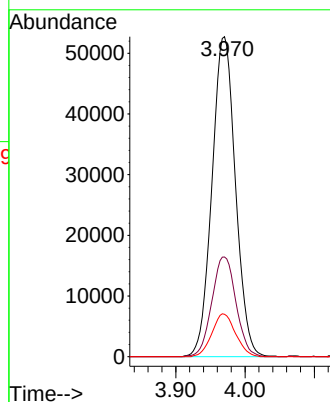
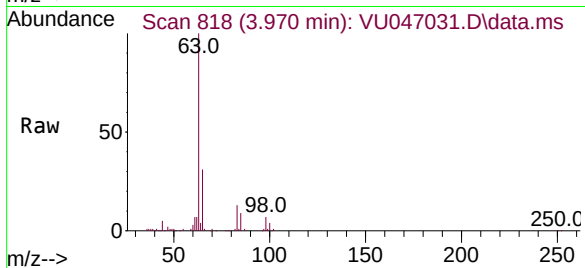
Tgt Ion: 63 Resp: 124009

Ion Ratio Lower Upper

63 100

65 31.2 22.3 41.5

83 13.3 9.6 17.8



#22

cis-1,2-Dichloroethene

Concen: 7.874 ug/L

RT: 4.752 min Scan# 1061

Delta R.T. 0.077 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

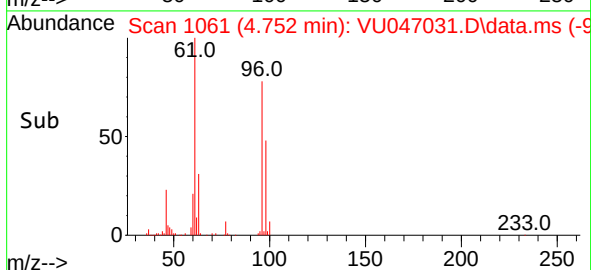
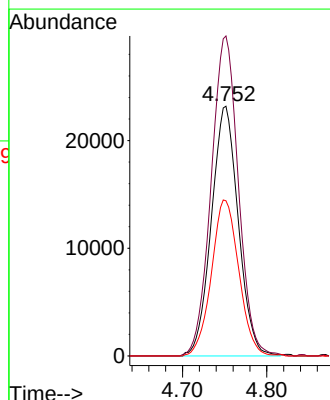
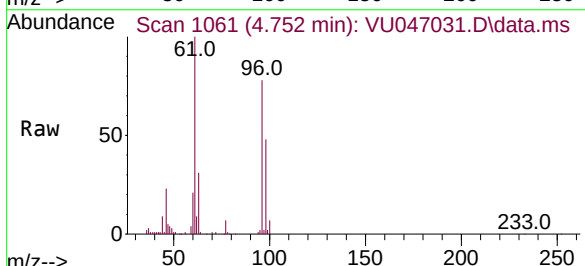
Tgt Ion: 96 Resp: 51525

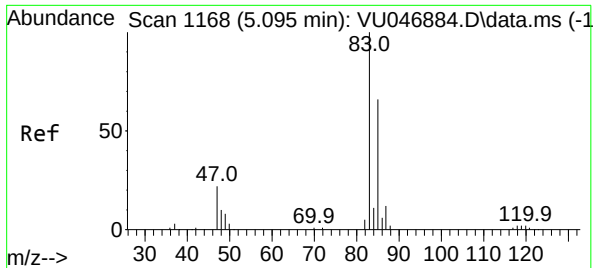
Ion Ratio Lower Upper

96 100

61 128.2 88.5 164.3

98 62.1 44.4 82.5





#25

Chloroform

Concen: 1.606 ug/L

RT: 5.189 min Scan# 1415

Delta R.T. 0.093 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

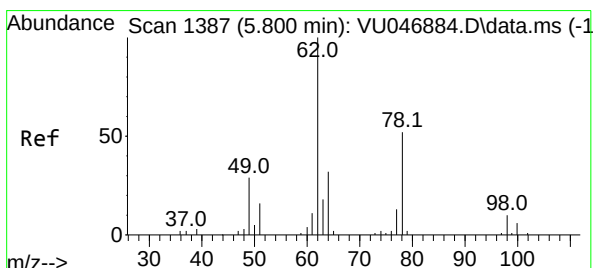
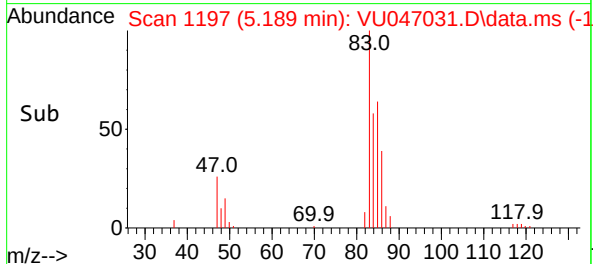
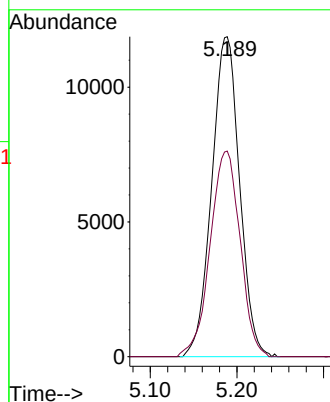
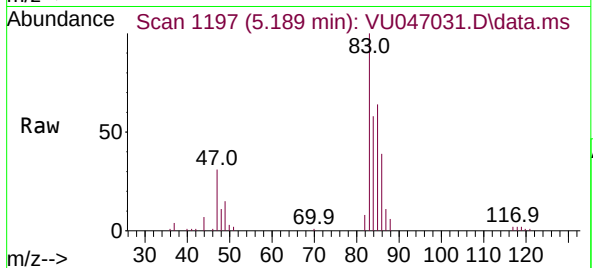
ClientSampleId :

Tgt Ion: 83 Resp: 26541

Ion Ratio Lower Upper

83 100

85 64.3 46.9 87.1



#27

1,2-Dichloroethane

Concen: 0.641 ug/L

RT: 5.890 min Scan# 1415

Delta R.T. 0.090 min

Lab File: VU047031.D

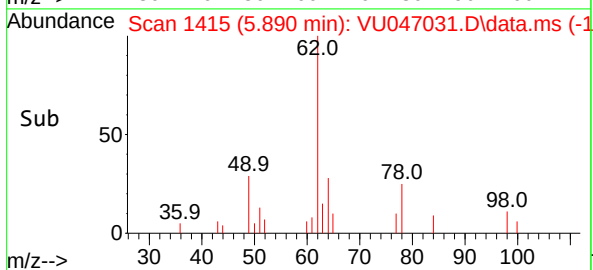
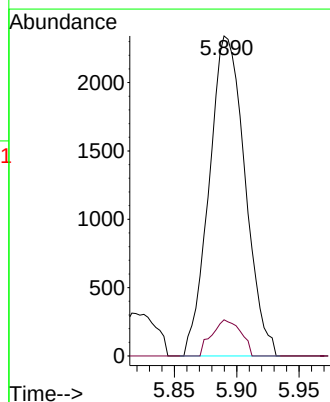
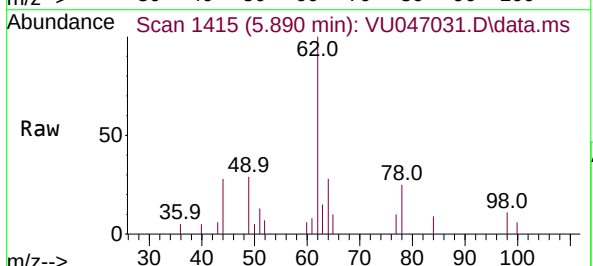
Acq: 03 Feb 2022 19:03

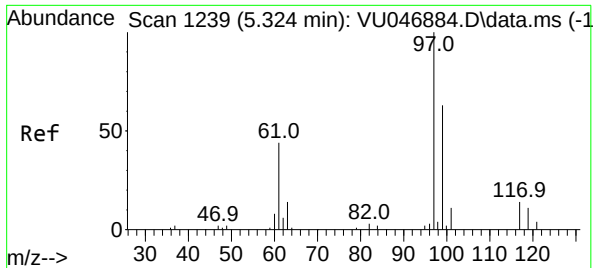
Tgt Ion: 62 Resp: 4679

Ion Ratio Lower Upper

62 100

98 11.3 7.8 11.8





#29

1,1,1-Trichloroethane

Concen: 0.686 ug/L

RT: 5.417 min Scan# 1268

Delta R.T. 0.096 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

ClientSampleId :

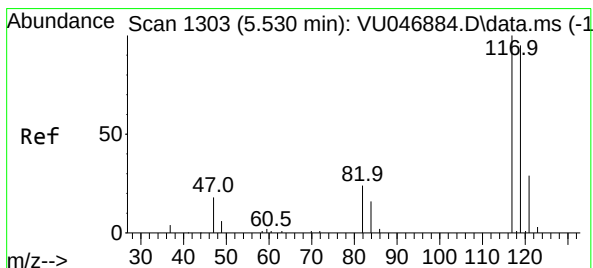
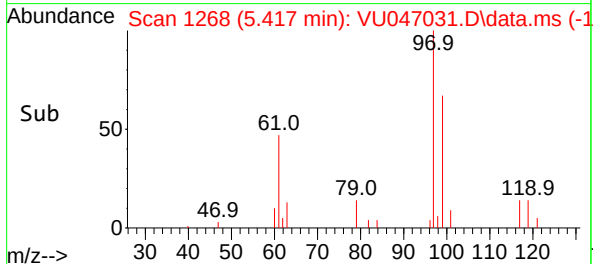
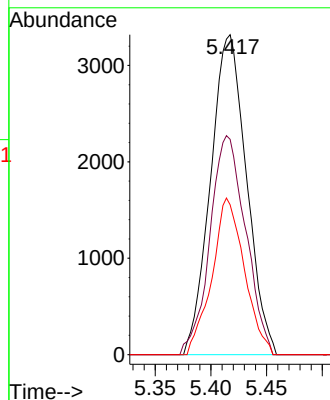
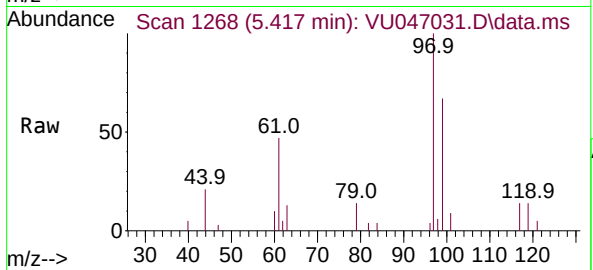
Tgt Ion: 97 Resp: 7451

Ion Ratio Lower Upper

97 100

99 68.0 51.3 76.9

61 44.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.102 ug/L

RT: 5.417 min Scan# 1268

Delta R.T. -0.113 min

Lab File: VU047031.D

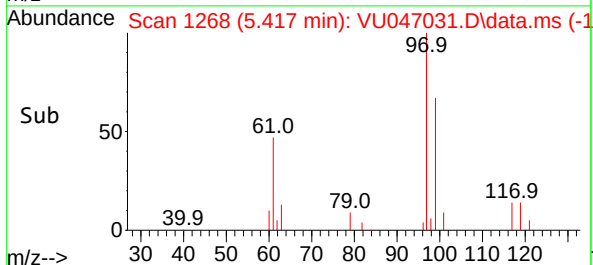
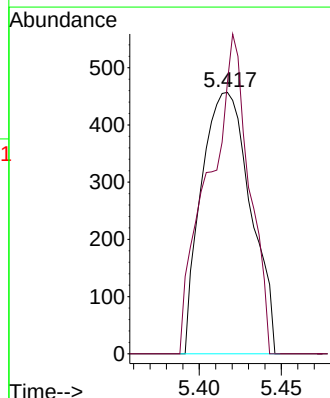
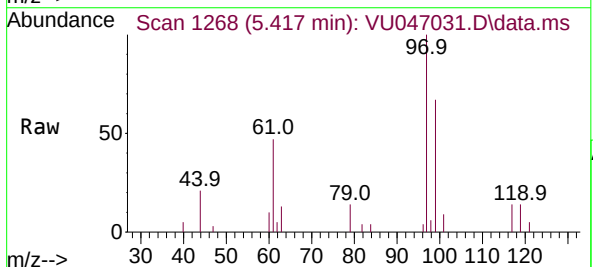
Acq: 03 Feb 2022 19:03

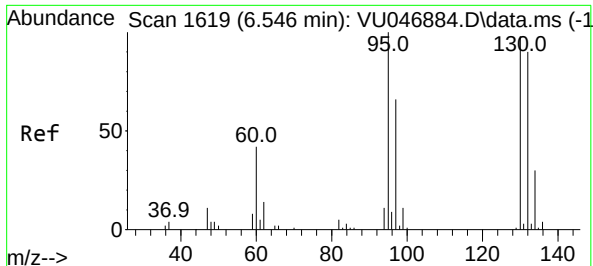
Tgt Ion: 117 Resp: 952

Ion Ratio Lower Upper

117 100

119 100.9 77.5 116.3



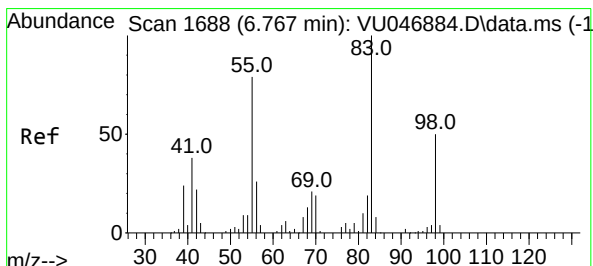
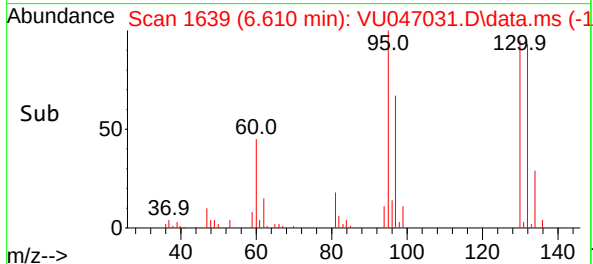
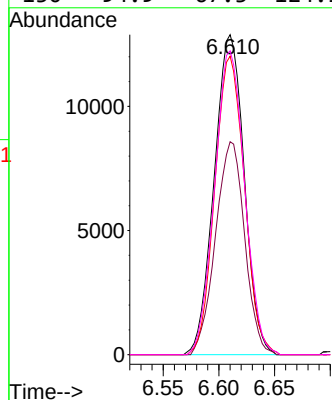
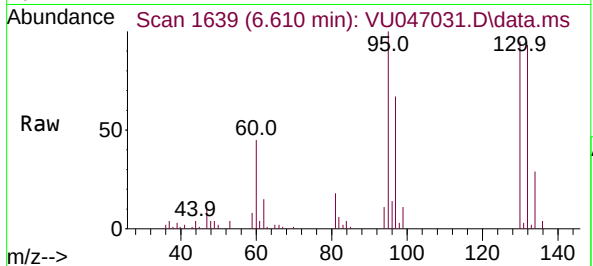


#34
Trichloroethene
Concen: 3.279 ug/L
RT: 6.610 min Scan# 1639
Delta R.T. 0.064 min
Lab File: VU047031.D
Acq: 03 Feb 2022 19:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 95 Resp: 24167

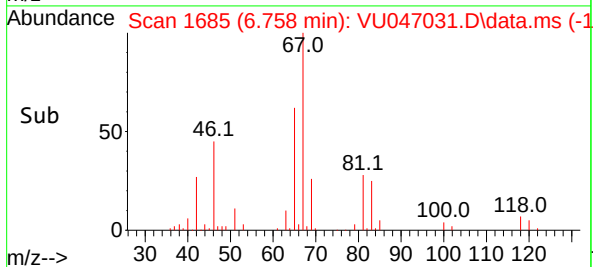
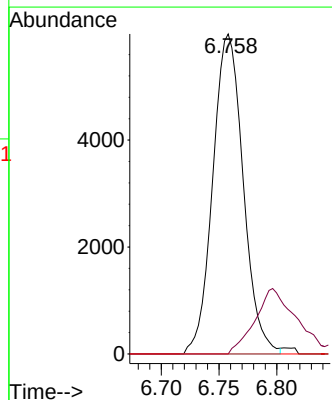
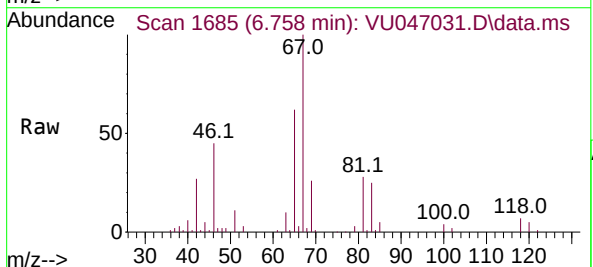
Ion	Ratio	Lower	Upper
95	100		
97	66.6	46.5	86.5
132	93.3	65.1	120.9
130	94.9	67.3	124.9

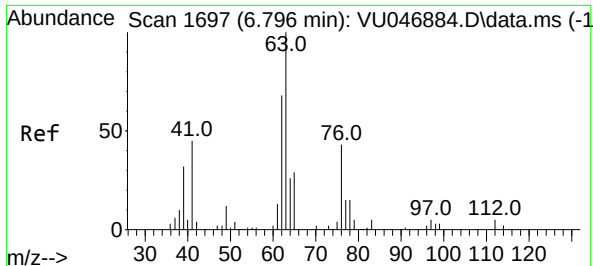


#35
Methylcyclohexane
Concen: 0.888 ug/L
RT: 6.758 min Scan# 1685
Delta R.T. -0.010 min
Lab File: VU047031.D
Acq: 03 Feb 2022 19:03

Tgt Ion: 83 Resp: 10966

Ion	Ratio	Lower	Upper
83	100		
55	27.5	61.9	92.9#
98	5.7	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.668 ug/L

RT: 6.761 min Scan# 1

Delta R.T. -0.032 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

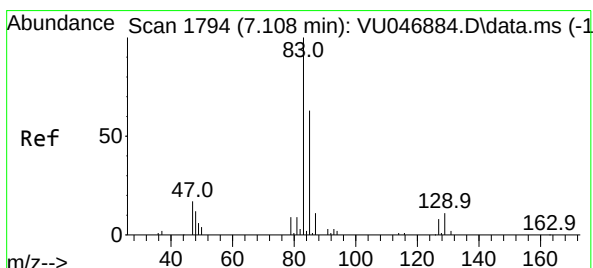
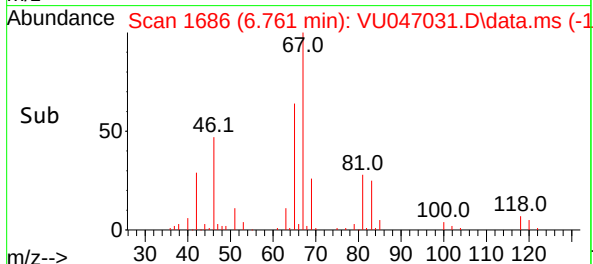
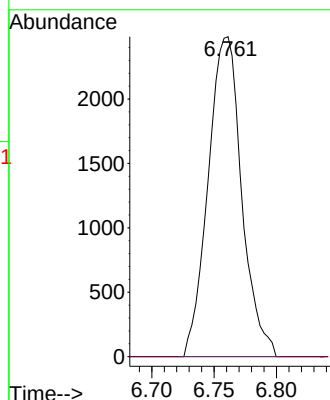
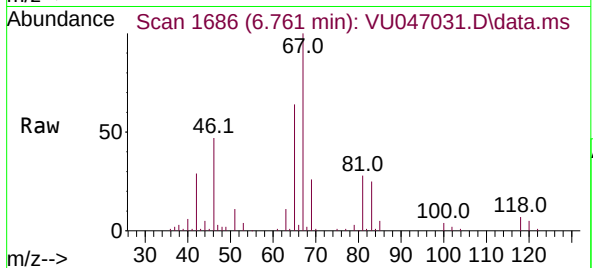
ClientSampleId :

Tgt Ion: 63 Resp: 4653

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.060 ug/L

RT: 6.954 min Scan# 1746

Delta R.T. -0.154 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

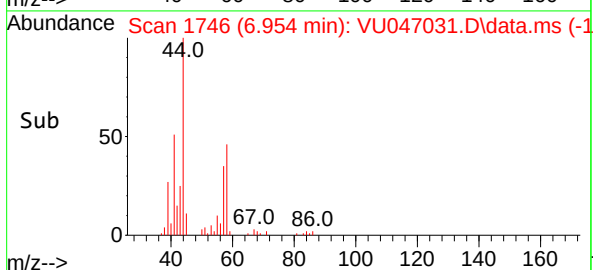
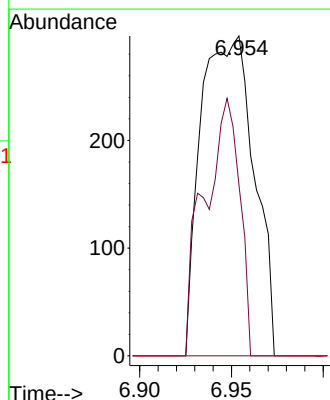
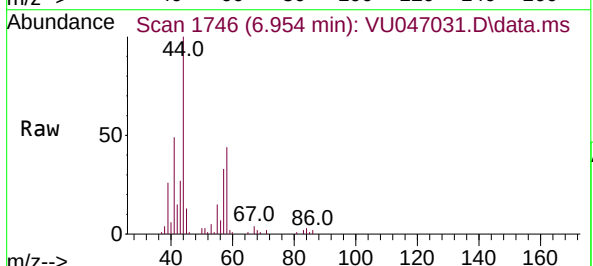
Tgt Ion: 83 Resp: 597

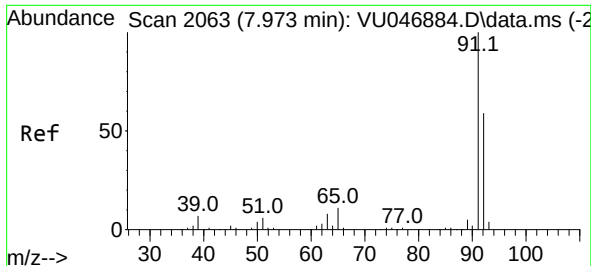
Ion Ratio Lower Upper

83 100

85 53.5 44.0 81.8

127 0.0 6.3 9.5#





#42

Toluene

Concen: 0.238 ug/L

RT: 8.005 min Scan# 2066

Delta R.T. 0.032 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

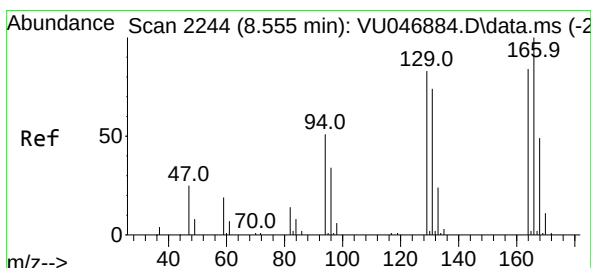
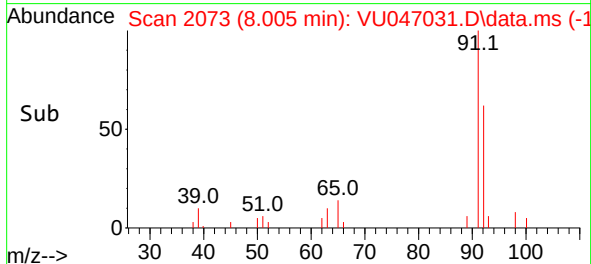
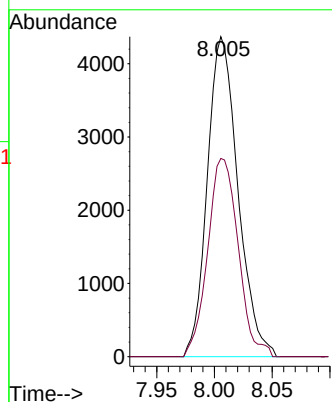
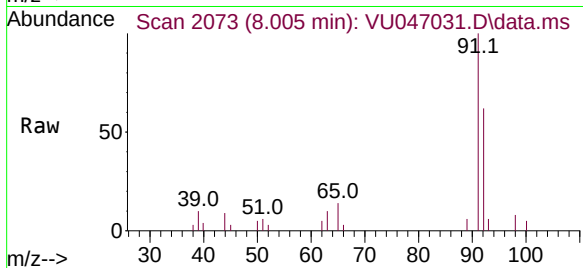
ClientSampleId :

Tgt Ion: 91 Resp: 8066

Ion Ratio Lower Upper

91 100

92 61.9 41.3 76.7



#47

Tetrachloroethene

Concen: 6.250 ug/L

RT: 8.581 min Scan# 2252

Delta R.T. 0.026 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Tgt Ion:164 Resp: 37468

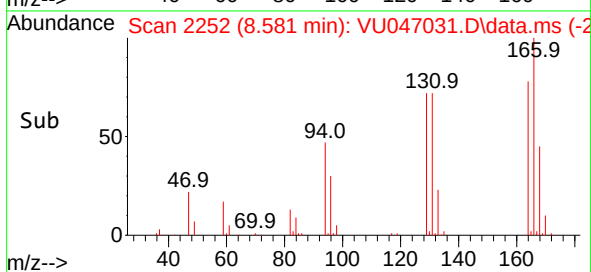
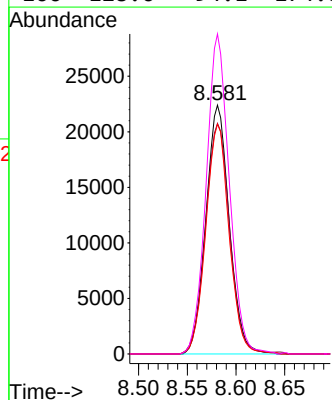
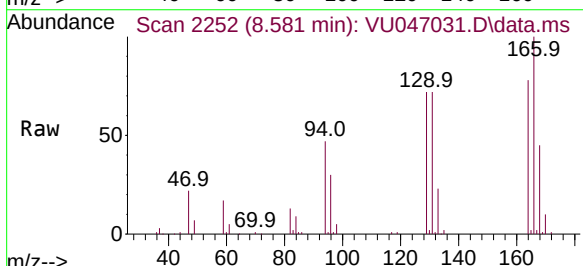
Ion Ratio Lower Upper

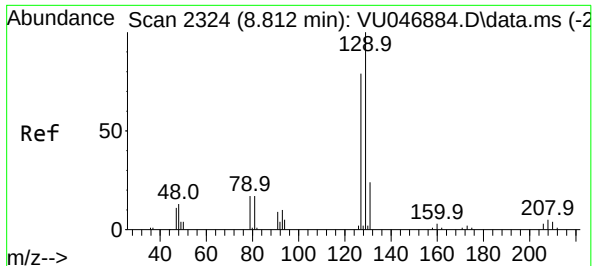
164 100

129 92.6 71.8 133.4

131 92.4 68.5 127.3

166 128.6 94.1 174.8





#49

Dibromochloromethane

Concen: 5.122 ug/L

RT: 8.581 min Scan# 21

Delta R.T. -0.232 min

Lab File: VU047031.D

Acq: 03 Feb 2022 19:03

Instrument :

MSVOA_U

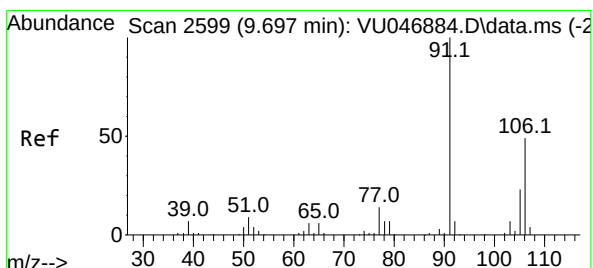
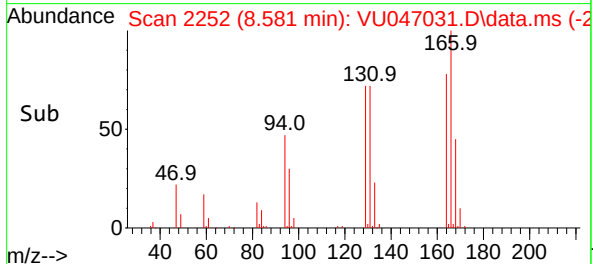
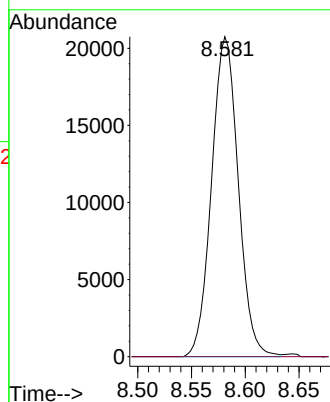
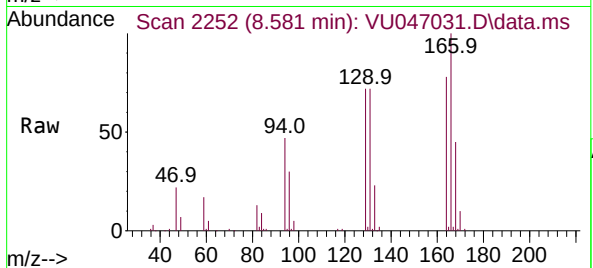
ClientSampleId :

Tgt Ion:129 Resp: 35804

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#53

m,p-Xylene

Concen: 0.117 ug/L

RT: 9.710 min Scan# 2603

Delta R.T. 0.013 min

Lab File: VU047031.D

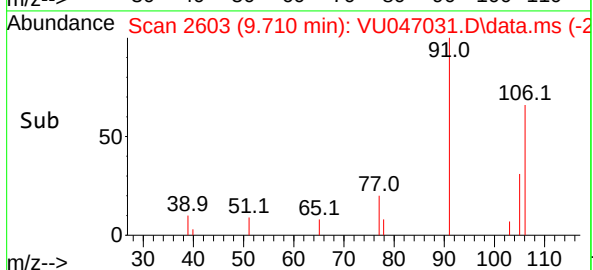
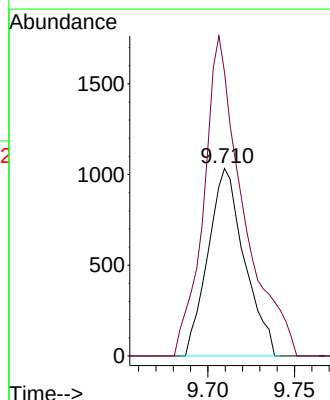
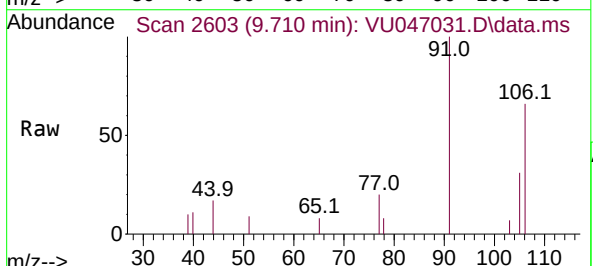
Acq: 03 Feb 2022 19:03

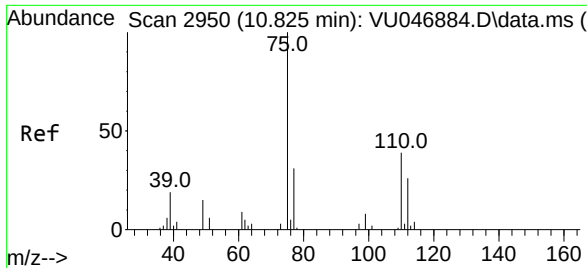
Tgt Ion:106 Resp: 1507

Ion Ratio Lower Upper

106 100

91 151.3 139.4 259.0

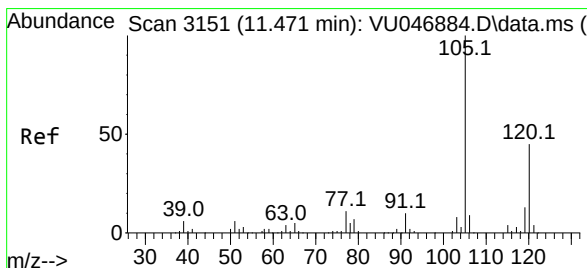
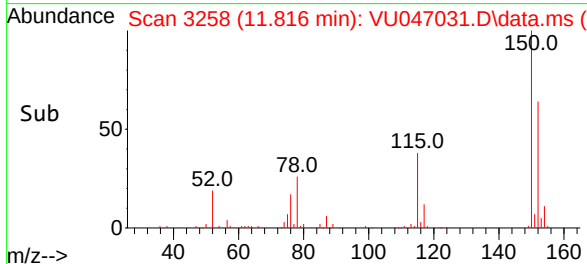
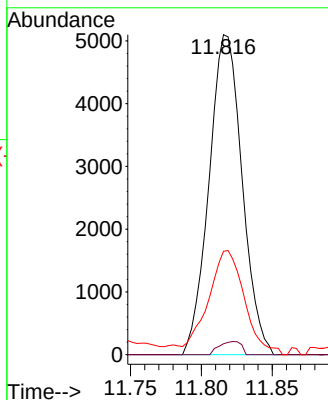
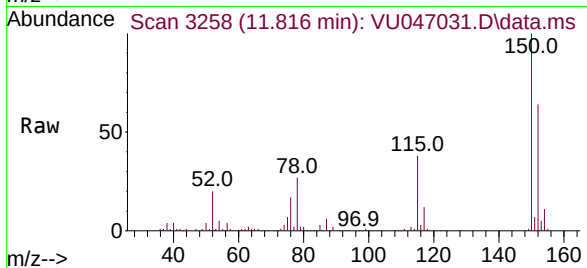




#61
1,2,3-Trichloropropane
Concen: 1.344 ug/L
RT: 11.816 min Scan# 3151
Delta R.T. 0.990 min
Lab File: VU047031.D
Acq: 03 Feb 2022 19:03

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 8281
Ion Ratio Lower Upper
75 100
110 2.7 29.9 44.9#
77 35.8 25.5 38.3



#63
1,2,4-Trimethylbenzene
Concen: 0.104 ug/L
RT: 11.472 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU047031.D
Acq: 03 Feb 2022 19:03

Tgt Ion: 105 Resp: 2975
Ion Ratio Lower Upper
105 100
120 37.3 35.8 53.8

