

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020322\
 Data File : VU047029.D
 Acq On : 03 Feb 2022 18:14
 Operator : SY/MD
 Sample : N1348-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

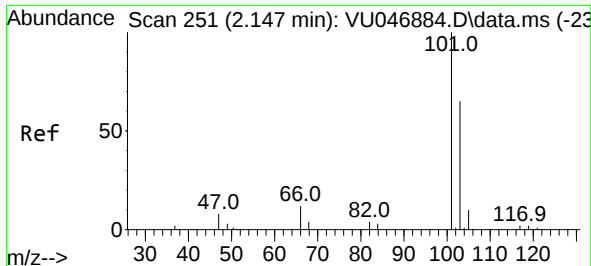
Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 04 05:49:20 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	6.250	114	95408	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	116853	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	62279	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	39810	4.924	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.916	69	33395	5.243	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.800%
11) 1,1-Dichloroethene-d2	2.568	65	16515	5.136	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.800%
20) 2-Butanone-d5	4.662	46	77928	32.537	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	65.080%
24) Chloroform-d	5.067	84	70376	4.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.707	65	34784	4.501	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.000%
32) Benzene-d6	5.729	84	129776	3.779	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.600%
36) 1,2-Dichloropropane-d6	6.694	67	42816	4.152	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.899	98	100665	3.202	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.000%#
43) trans-1,3-Dichloroprop...	8.179	79	14444	3.190	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.800%
46) 2-Hexanone-d5	8.639	63	70158	26.165	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	52.320%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	36392	3.515	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	70.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	39853	3.412	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	68.200%#
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.141	101	111418	11.884	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	565	0.101	ug/L #	21
12) 1,1-Dichloroethene	2.585	96	15018	2.819	ug/L	86
19) 1,1-Dichloroethane	3.874	63	60790	6.276	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	41088	6.750	ug/L	96
25) Chloroform	5.089	83	13105	0.852	ug/L	92
27) 1,2-Dichloroethane	5.800	62	1265	0.186	ug/L #	86
29) 1,1,1-Trichloroethane	5.318	97	4911	0.467	ug/L	98
31) Carbon tetrachloride	5.523	117	2436	0.270	ug/L	98
34) Trichloroethene	6.546	95	92303	12.922	ug/L	98
35) Methylcyclohexane	6.694	83	10384	0.868	ug/L #	29
37) 1,2-Dichloropropane	6.694	63	4530	0.671	ug/L #	88
47) Tetrachloroethene	8.552	164	20075	3.456	ug/L	93
49) Dibromochloromethane	8.555	129	19997	2.952	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	7952	1.507	ug/L #	67

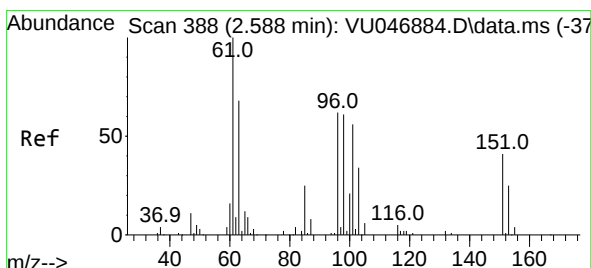
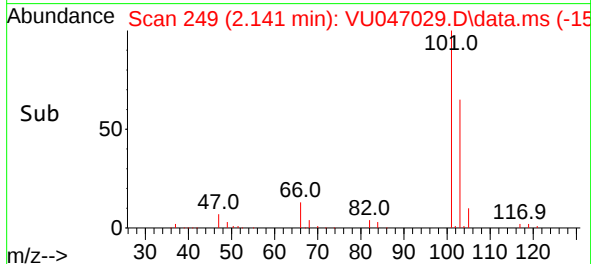
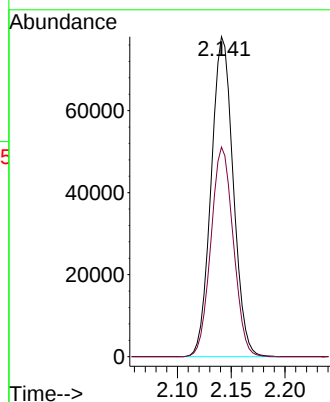
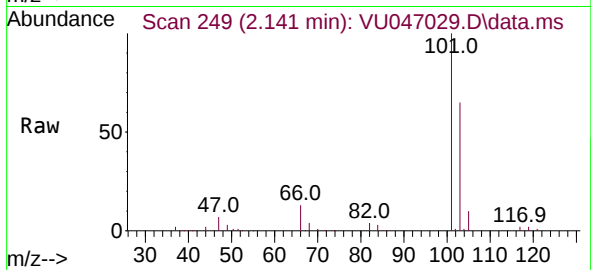
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#9
 Trichlorofluoromethane
 Concen: 11.884 ug/L
 RT: 2.141 min Scan# 249
 Delta R.T. -0.006 min
 Lab File: VU047029.D
 Acq: 03 Feb 2022 18:14

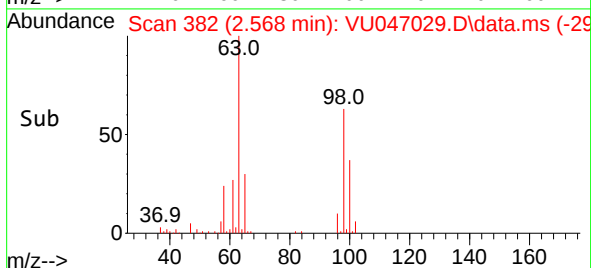
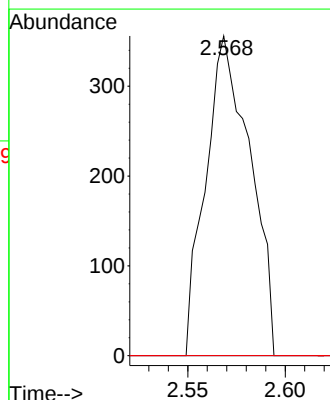
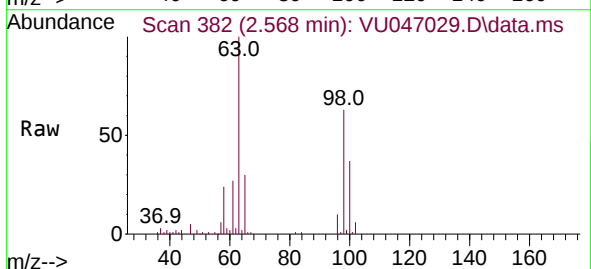
Instrument :
 MSVOA_U
 ClientSampleId :

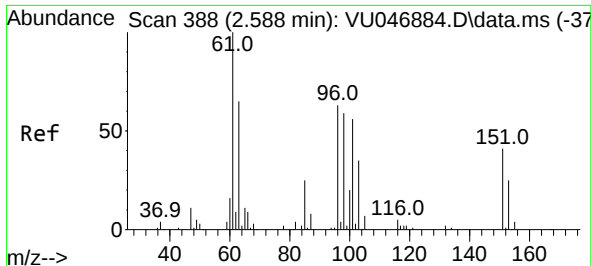
Tgt Ion:101 Resp: 111418
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.101 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.022 min
 Lab File: VU047029.D
 Acq: 03 Feb 2022 18:14

Tgt Ion:101 Resp: 565
 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: 2.819 ug/L

RT: 2.585 min Scan# 387

Delta R.T. -0.003 min

Lab File: VU047029.D

Acq: 03 Feb 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

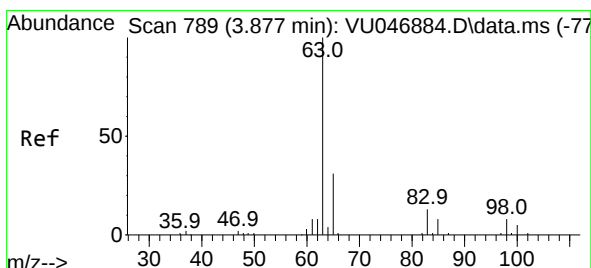
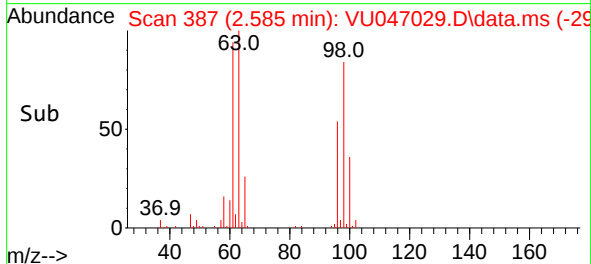
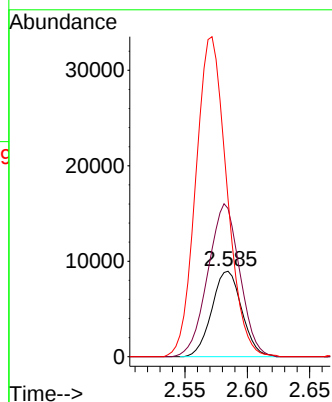
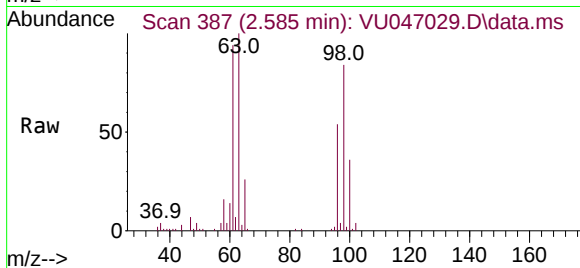
Tgt Ion: 96 Resp: 15018

Ion Ratio Lower Upper

96 100

61 173.4 124.7 231.5

63 184.5 105.2 195.4



#19

1,1-Dichloroethane

Concen: 6.276 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU047029.D

Acq: 03 Feb 2022 18:14

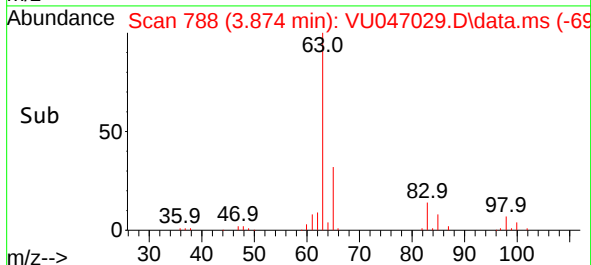
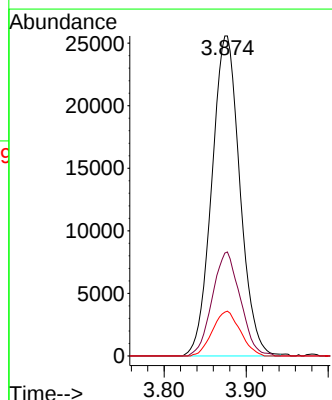
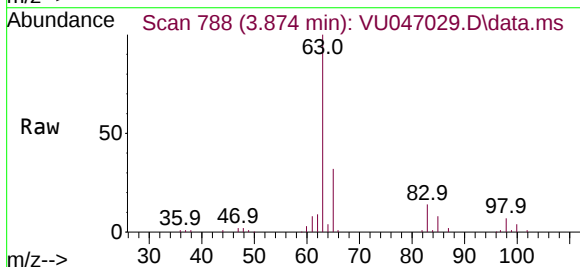
Tgt Ion: 63 Resp: 60790

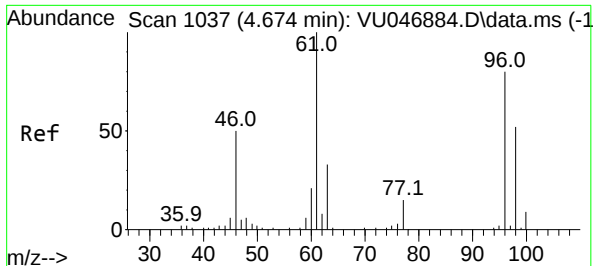
Ion Ratio Lower Upper

63 100

65 32.2 22.3 41.5

83 13.7 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 6.750 ug/L

RT: 4.671 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VU047029.D

Acq: 03 Feb 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :

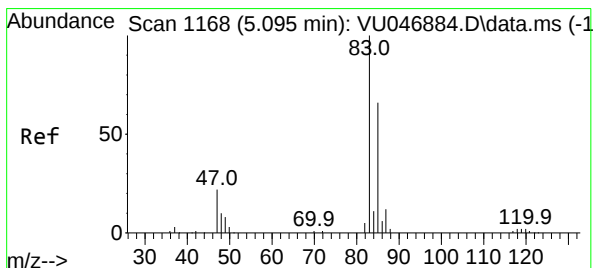
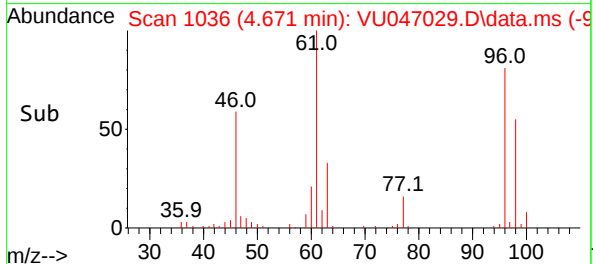
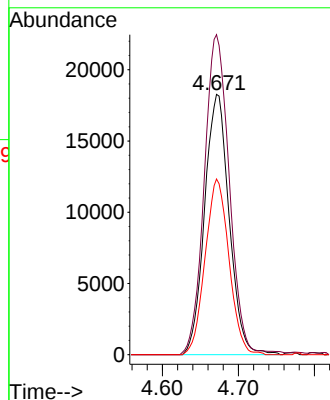
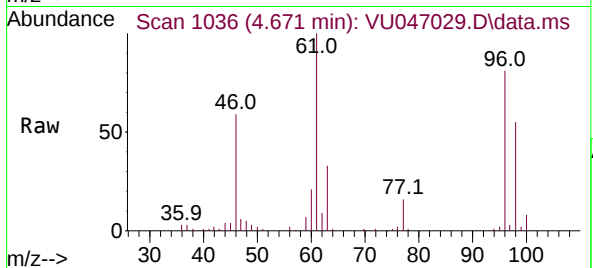
Tgt Ion: 96 Resp: 41088

Ion Ratio Lower Upper

96 100

61 122.9 88.5 164.3

98 67.5 44.4 82.5



#25

Chloroform

Concen: 0.852 ug/L

RT: 5.089 min Scan# 1166

Delta R.T. -0.006 min

Lab File: VU047029.D

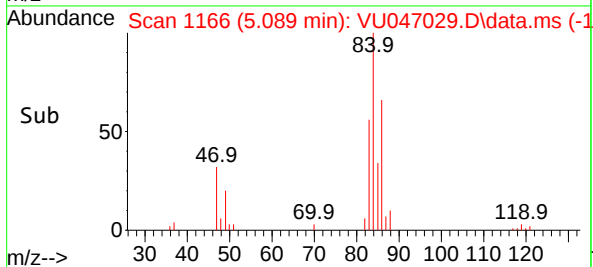
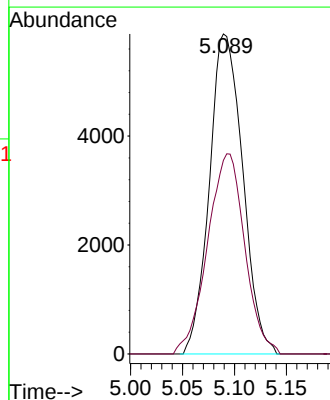
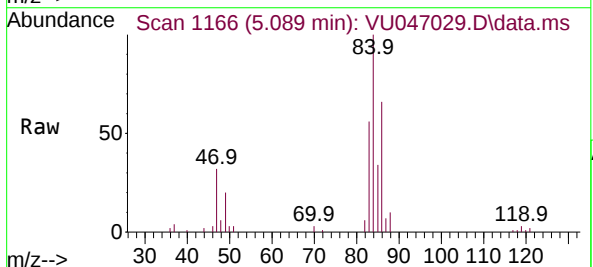
Acq: 03 Feb 2022 18:14

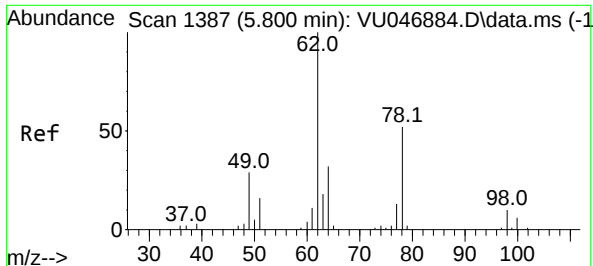
Tgt Ion: 83 Resp: 13105

Ion Ratio Lower Upper

83 100

85 60.5 46.9 87.1





#27

1,2-Dichloroethane

Concen: 0.186 ug/L

RT: 5.800 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU047029.D

Acq: 03 Feb 2022 18:14

Instrument :

MSVOA_U

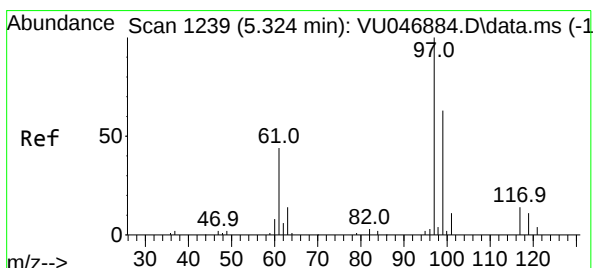
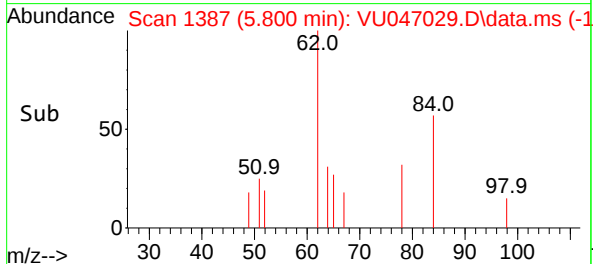
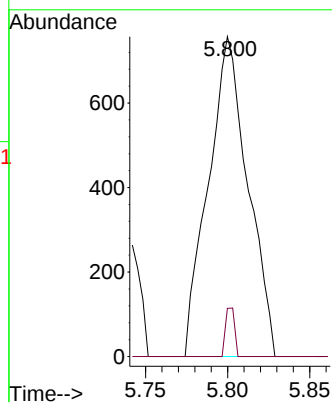
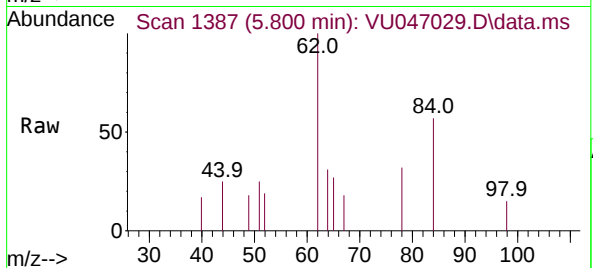
ClientSampleId :

Tgt Ion: 62 Resp: 1265

Ion Ratio Lower Upper

62 100

98 15.1 7.8 11.8#



#29

1,1,1-Trichloroethane

Concen: 0.467 ug/L

RT: 5.318 min Scan# 1237

Delta R.T. -0.003 min

Lab File: VU047029.D

Acq: 03 Feb 2022 18:14

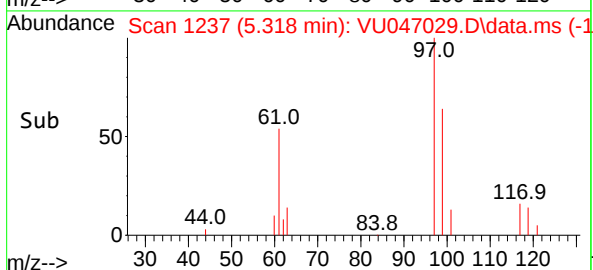
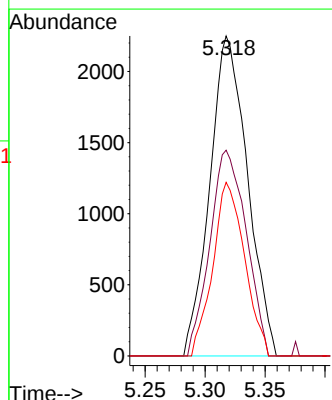
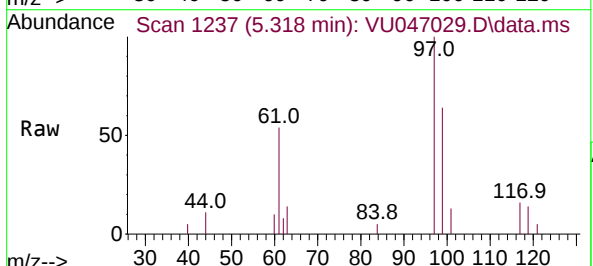
Tgt Ion: 97 Resp: 4911

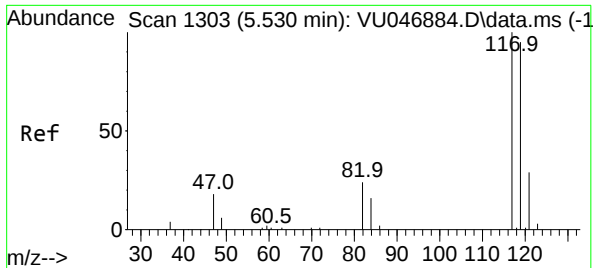
Ion Ratio Lower Upper

97 100

99 62.2 51.3 76.9

61 45.8 36.1 54.1

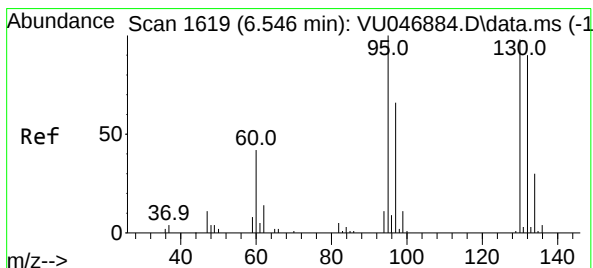
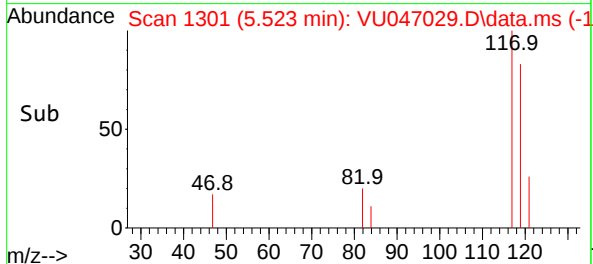
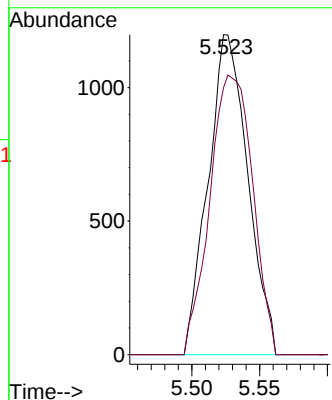
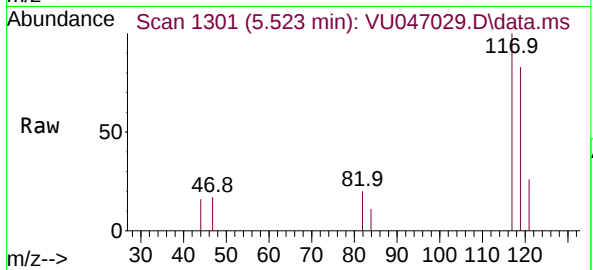




#31
Carbon tetrachloride
Concen: 0.270 ug/L
RT: 5.523 min Scan# 117
Delta R.T. -0.006 min
Lab File: VU047029.D
Acq: 03 Feb 2022 18:14

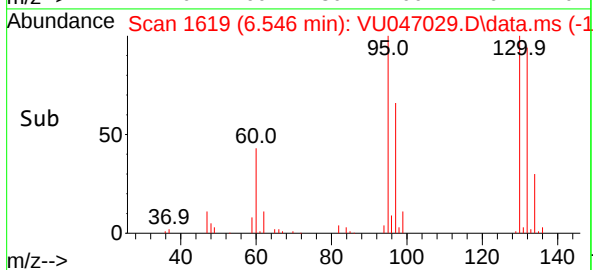
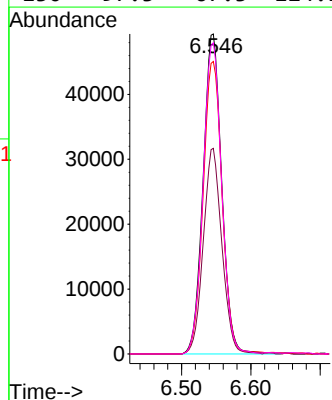
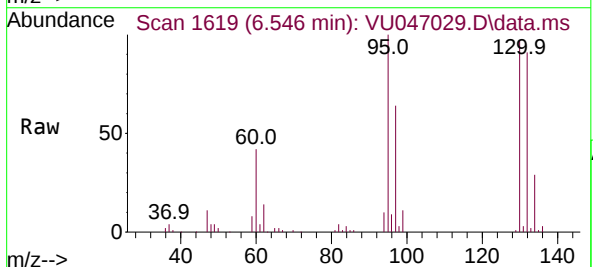
Instrument :
MSVOA_U
ClientSampleId :

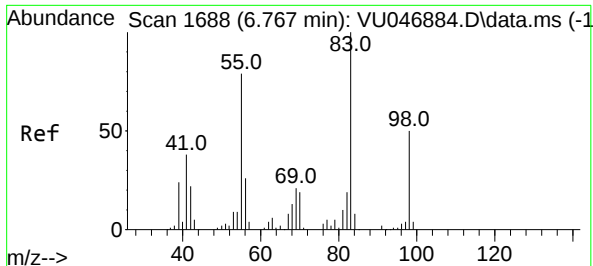
Tgt Ion:117 Resp: 2436
Ion Ratio Lower Upper
117 100
119 94.5 77.5 116.3



#34
Trichloroethene
Concen: 12.922 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU047029.D
Acq: 03 Feb 2022 18:14

Tgt Ion: 95 Resp: 92303
Ion Ratio Lower Upper
95 100
97 64.2 46.5 86.5
132 91.4 65.1 120.9
130 97.3 67.3 124.9

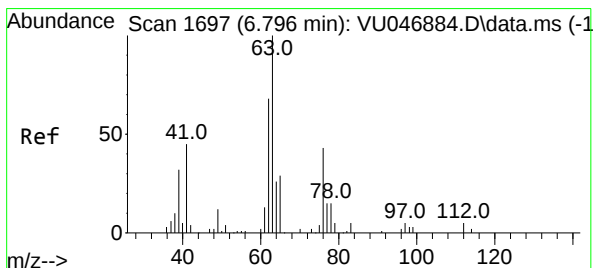
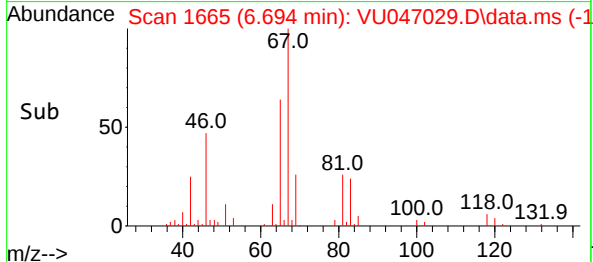
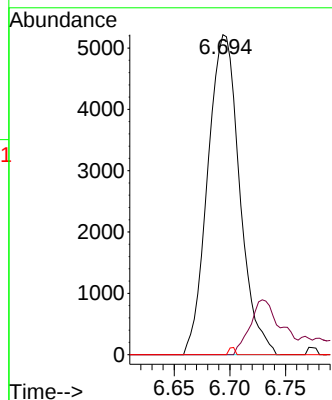
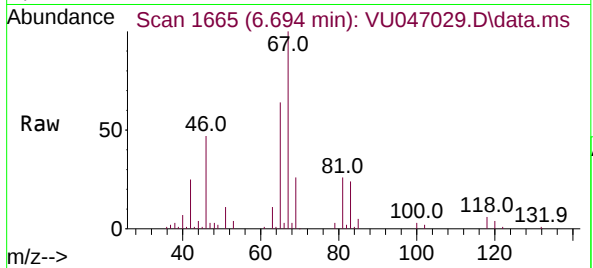




#35
Methylcyclohexane
Concen: 0.868 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU047029.D
Acq: 03 Feb 2022 18:14

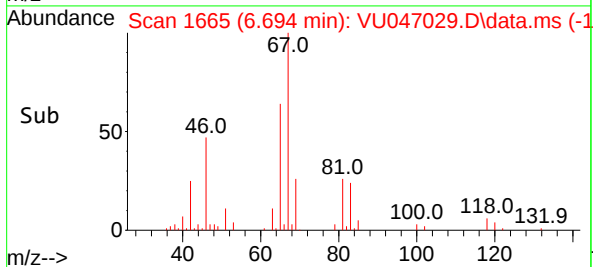
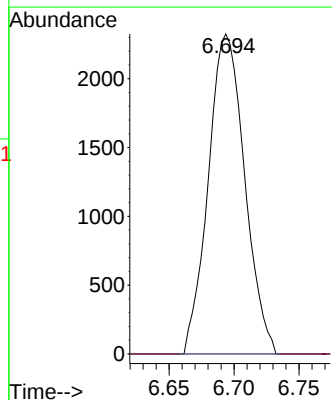
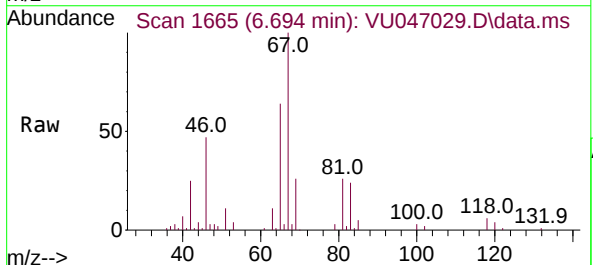
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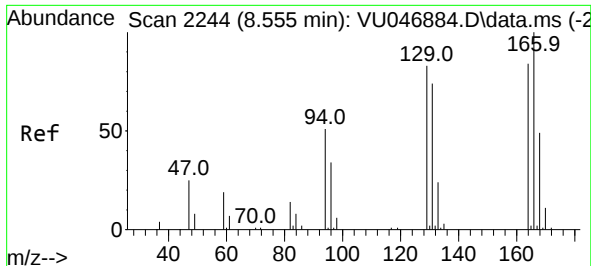
Tgt Ion: 83 Resp: 10384
Ion Ratio Lower Upper
83 100
55 16.7 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.671 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.100 min
Lab File: VU047029.D
Acq: 03 Feb 2022 18:14

Tgt Ion: 63 Resp: 4530
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#





#47

Tetrachloroethene

Concen: 3.456 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.003 min

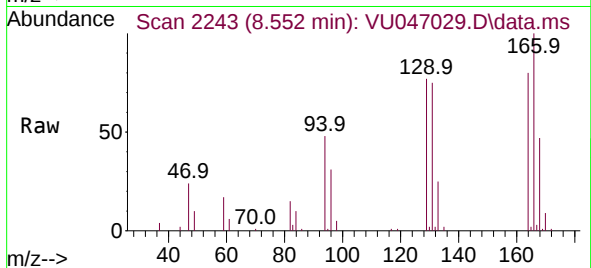
Lab File: VU047029.D

Acq: 03 Feb 2022 18:14

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 20075

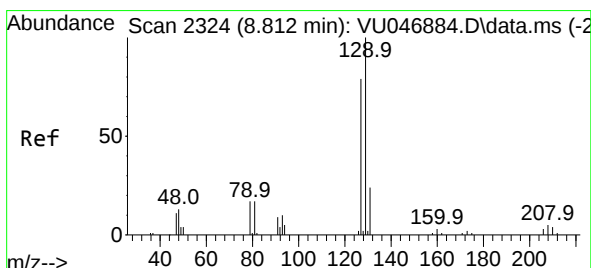
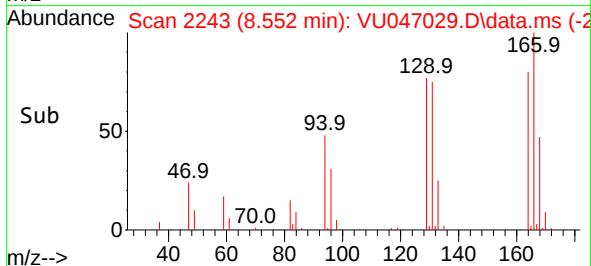
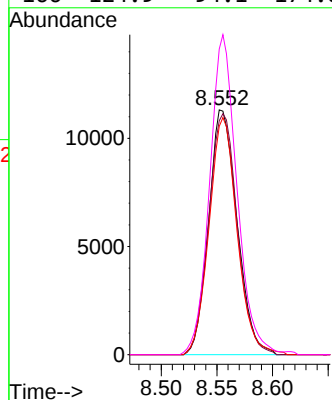
Ion Ratio Lower Upper

164 100

129 95.5 71.8 133.4

131 93.3 68.5 127.3

166 124.9 94.1 174.8



#49

Dibromochloromethane

Concen: 2.952 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.257 min

Lab File: VU047029.D

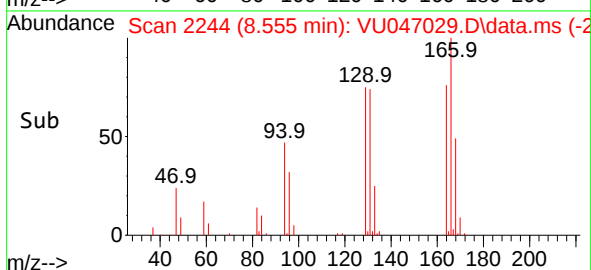
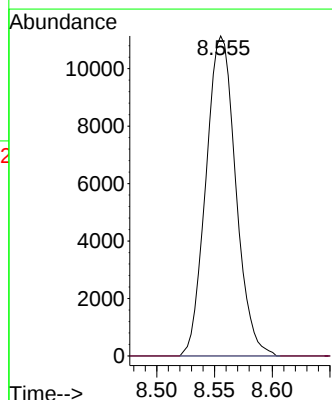
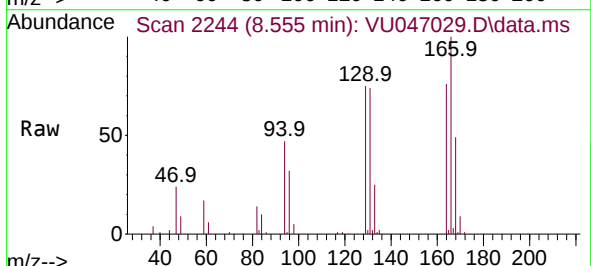
Acq: 03 Feb 2022 18:14

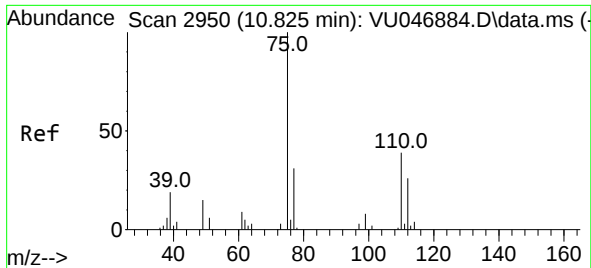
Tgt Ion:129 Resp: 19997

Ion Ratio Lower Upper

129 100

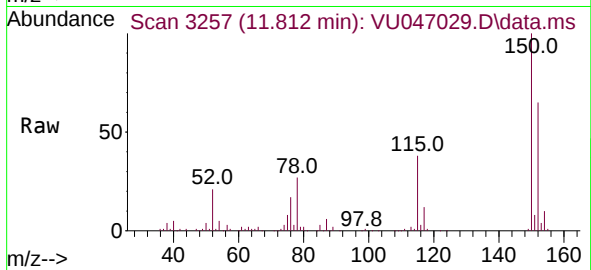
127 0.0 55.4 102.8#





#61
 1,2,3-Trichloropropane
 Concen: 1.507 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU047029.D
 Acq: 03 Feb 2022 18:14

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 7952
 Ion Ratio Lower Upper
 75 100
 110 2.5 29.9 44.9#
 77 34.4 25.5 38.3

