

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012022\
 Data File : VU046808.D
 Acq On : 20 Jan 2022 14:02
 Operator : SY/MD
 Sample : N1194-01DL 4X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 21 01:00:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 20 02:00:32 2022
 Response via : Initial Calibration

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

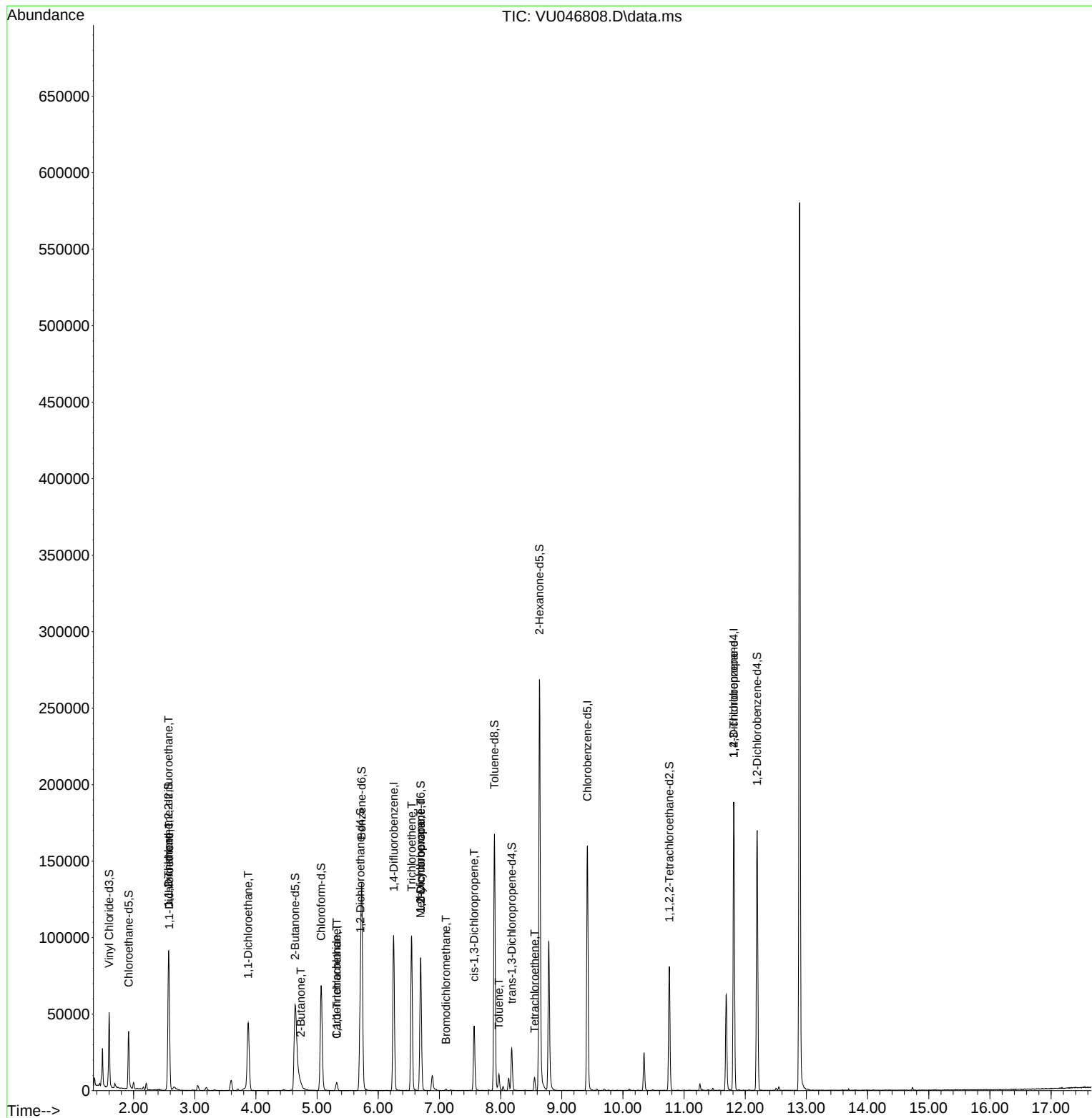
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	84958	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	92338	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	51279	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	35093	4.875	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.400%
7) Chloroethane-d5	1.919	69	29775	5.249	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.000%
11) 1,1-Dichloroethene-d2	2.571	65	14451	5.046	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.000%
20) 2-Butanone-d5	4.642	46	119608	56.083	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.160%
24) Chloroform-d	5.066	84	65438	5.178	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.706	65	37469	5.444	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.800%
32) Benzene-d6	5.729	84	131589	4.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.000%
36) 1,2-Dichloropropane-d6	6.693	67	41543	5.098	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.000%
41) Toluene-d8	7.899	98	111402	4.485	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.600%
43) trans-1,3-Dichloroprop...	8.182	79	16315	4.559	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.200%
46) 2-Hexanone-d5	8.635	63	104883	49.500	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.000%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	40105	4.902	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	45692	4.751	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.000%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	388	0.078	ug/L #	21
12) 1,1-Dichloroethene	2.581	96	10068	2.122	ug/L #	26
19) 1,1-Dichloroethane	3.874	63	51560	5.977	ug/L	98
21) 2-Butanone	4.732	43	3996	2.142	ug/L	91
29) 1,1,1-Trichloroethane	5.321	97	4409	0.530	ug/L	94
31) Carbon tetrachloride	5.317	117	488	0.068	ug/L	97
34) Trichloroethene	6.546	95	35331	6.259	ug/L	98
35) Methylcyclohexane	6.690	83	10172	1.076	ug/L #	18
37) 1,2-Dichloropropane	6.693	63	4247	0.796	ug/L #	88
38) Bromodichloromethane	7.105	83	797	0.104	ug/L #	87
39) cis-1,3-Dichloropropene	7.568	75	959	0.115	ug/L #	82
42) Toluene	7.973	91	8222	0.316	ug/L	96
47) Tetrachloroethene	8.555	164	1961	0.427	ug/L	91
61) 1,2,3-Trichloropropane	11.812	75	5891	1.356	ug/L #	67

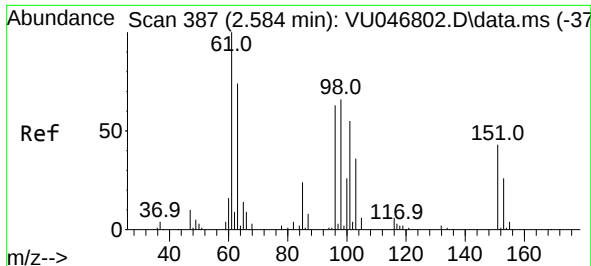
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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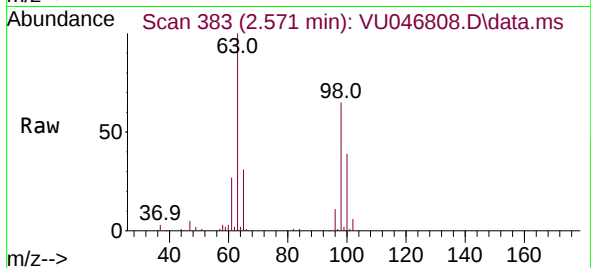
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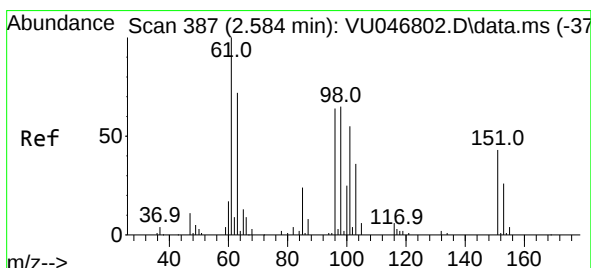
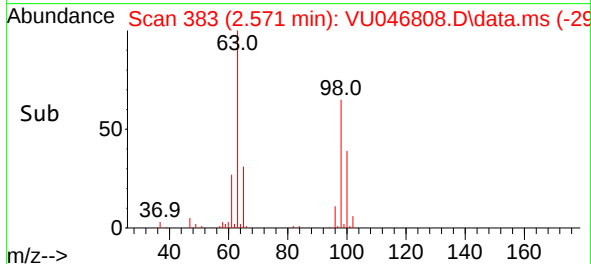
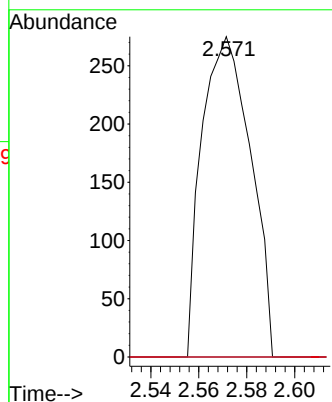


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.078 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.016 min
 Lab File: VU046808.D
 Acq: 20 Jan 2022 14:02

Instrument :
 MSVOA_U
 ClientSampleId :

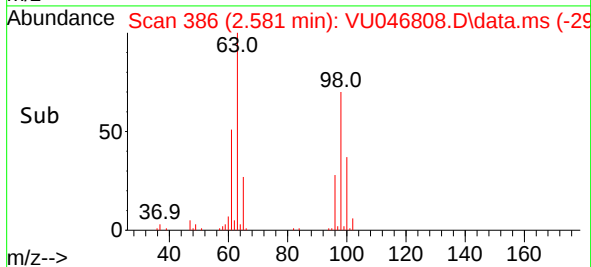
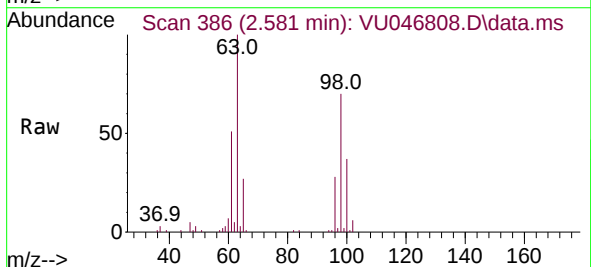
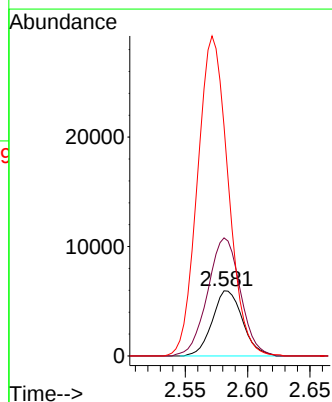


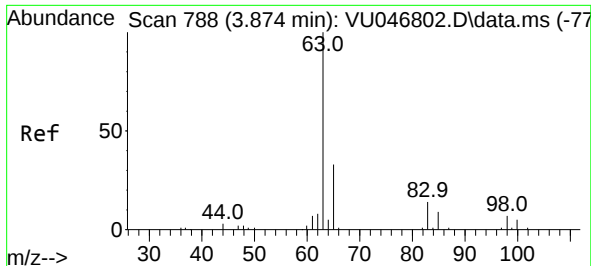
Tgt Ion:101 Resp: 388
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.6 51.8#
 151 0.0 56.1 84.1#



#12
 1,1-Dichloroethene
 Concen: 2.122 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.007 min
 Lab File: VU046808.D
 Acq: 20 Jan 2022 14:02

Tgt Ion: 96 Resp: 10068
 Ion Ratio Lower Upper
 96 100
 61 181.4 124.7 231.5
 63 353.1 105.2 195.4#





#19

1,1-Dichloroethane

Concen: 5.977 ug/L

RT: 3.874 min Scan# 788

Delta R.T. -0.003 min

Lab File: VU046808.D

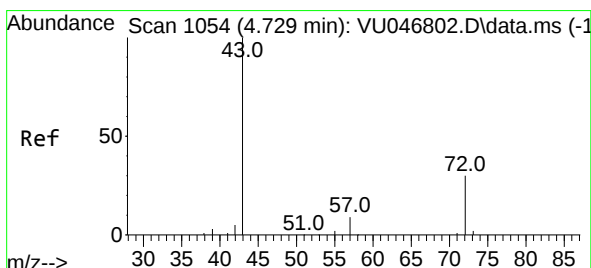
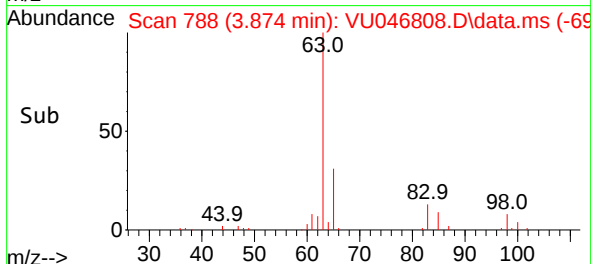
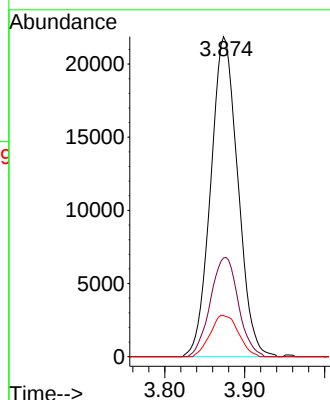
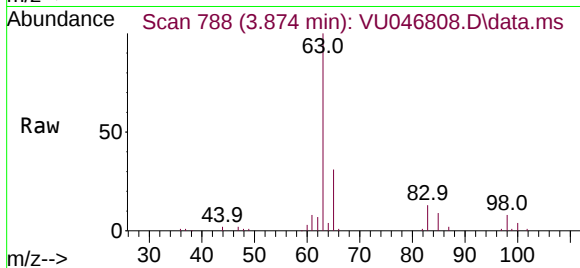
Acq: 20 Jan 2022 14:02

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	51560
Ion	Ratio	Lower	Upper
63	100		
65	30.9	22.3	41.5
83	12.9	9.6	17.8



#21

2-Butanone

Concen: 2.142 ug/L

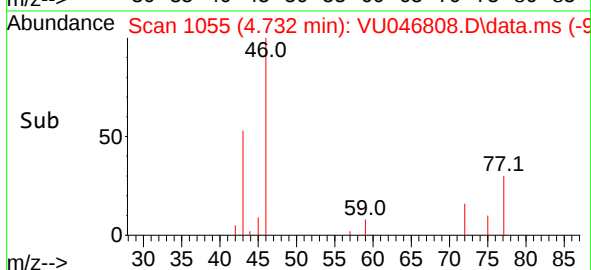
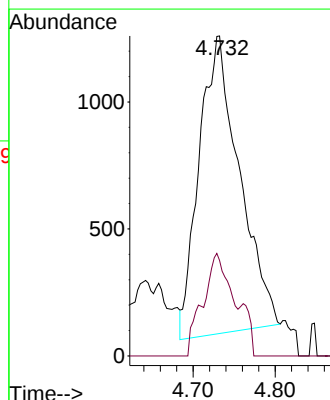
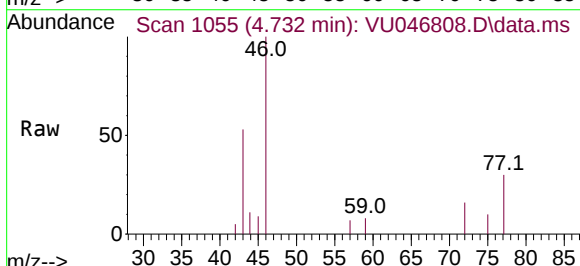
RT: 4.732 min Scan# 1055

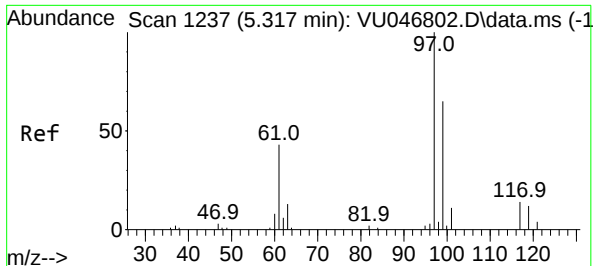
Delta R.T. -0.007 min

Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

Tgt Ion:	43	Resp:	3996
Ion	Ratio	Lower	Upper
43	100		
72	23.4	14.1	42.3





#29

1,1,1-Trichloroethane

Concen: 0.530 ug/L

RT: 5.321 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

Instrument :

MSVOA_U

ClientSampleId :

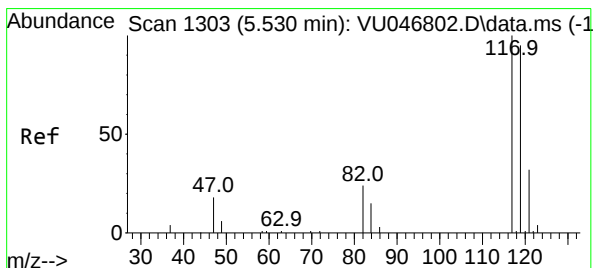
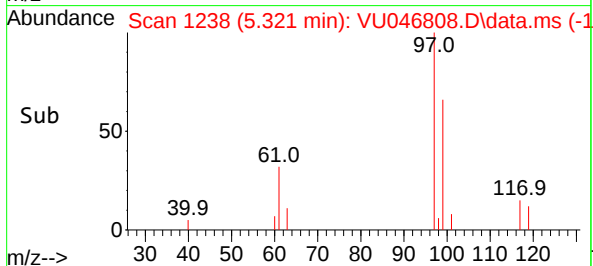
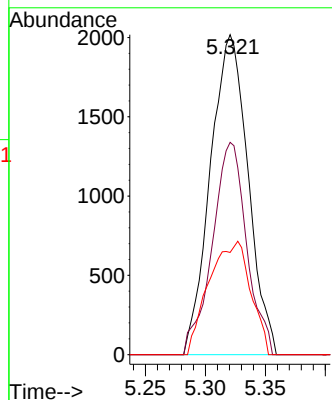
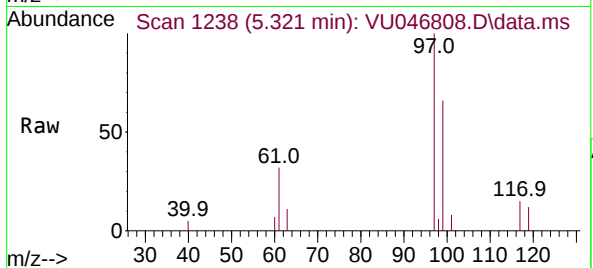
Tgt Ion: 97 Resp: 4409

Ion Ratio Lower Upper

97 100

99 60.5 51.3 76.9

61 39.2 36.1 54.1



#31

Carbon tetrachloride

Concen: 0.068 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.212 min

Lab File: VU046808.D

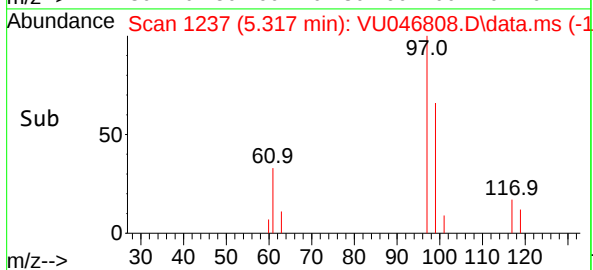
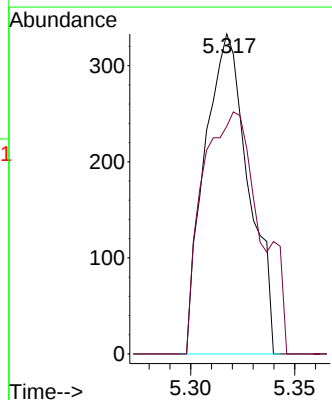
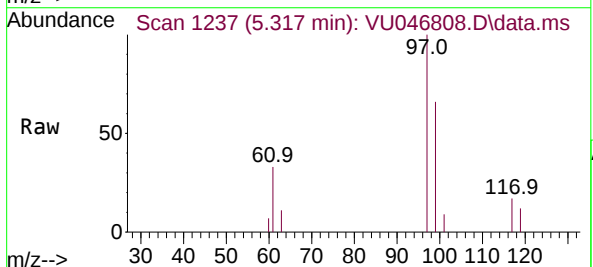
Acq: 20 Jan 2022 14:02

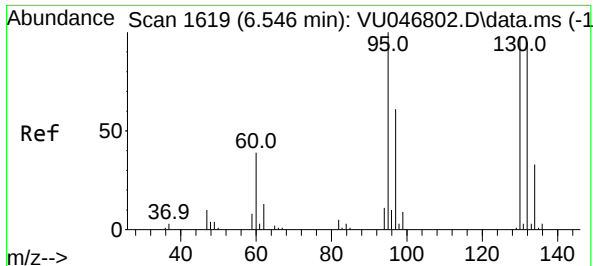
Tgt Ion: 117 Resp: 488

Ion Ratio Lower Upper

117 100

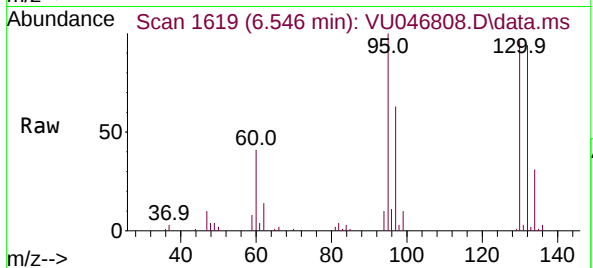
119 99.4 77.5 116.3





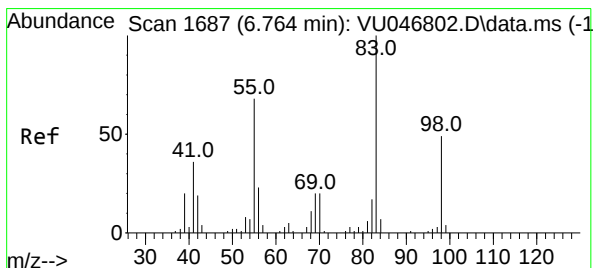
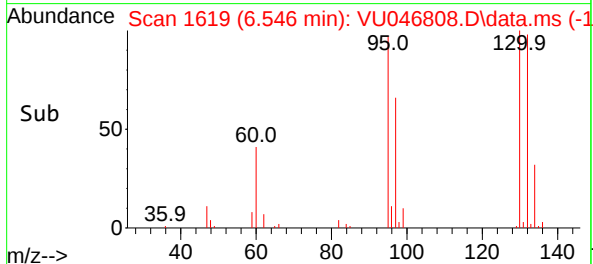
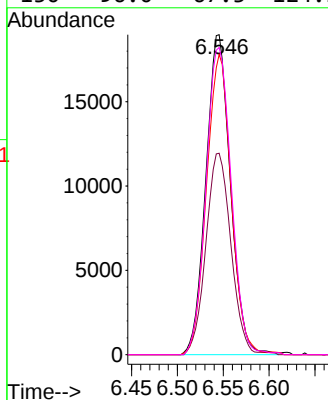
#34
Trichloroethene
Concen: 6.259 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU046808.D
Acq: 20 Jan 2022 14:02

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 35331

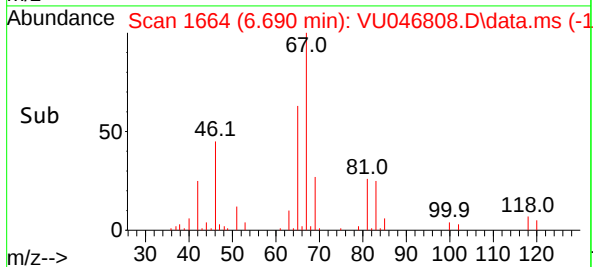
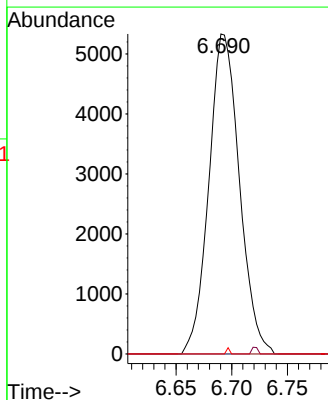
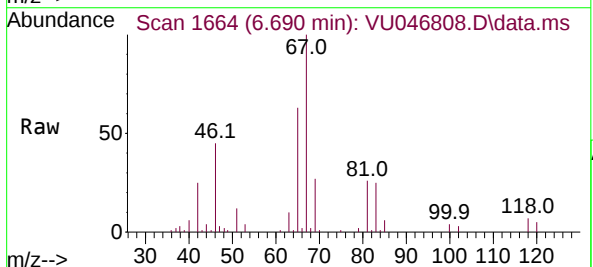
Ion	Ratio	Lower	Upper
95	100		
97	63.0	46.5	86.5
132	93.8	65.1	120.9
130	96.0	67.3	124.9

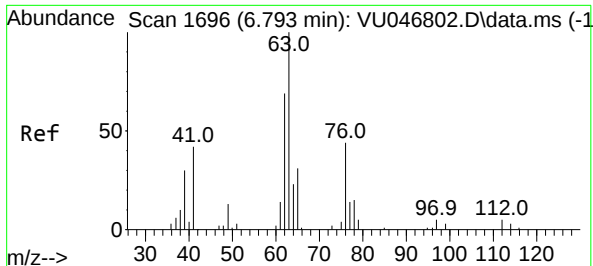


#35
Methylcyclohexane
Concen: 1.076 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.077 min
Lab File: VU046808.D
Acq: 20 Jan 2022 14:02

Tgt Ion: 83 Resp: 10172

Ion	Ratio	Lower	Upper
83	100		
55	0.4	61.9	92.9#
98	0.6	39.0	58.6#





#37

1,2-Dichloropropane

Concen: 0.796 ug/L

RT: 6.693 min Scan# 1

Delta R.T. -0.100 min

Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

Instrument :

MSVOA_U

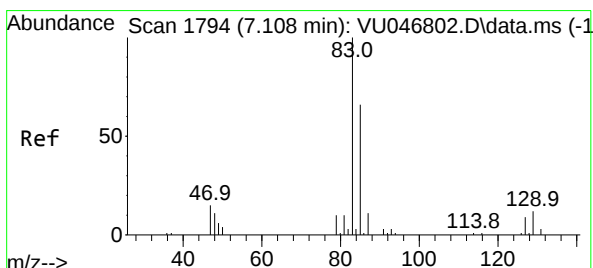
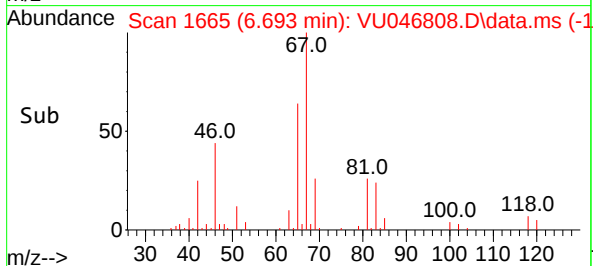
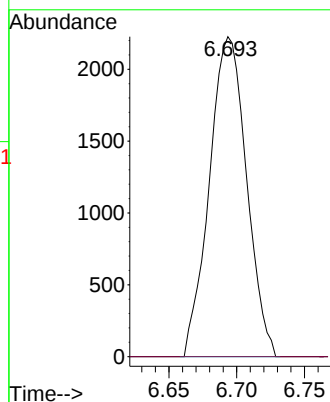
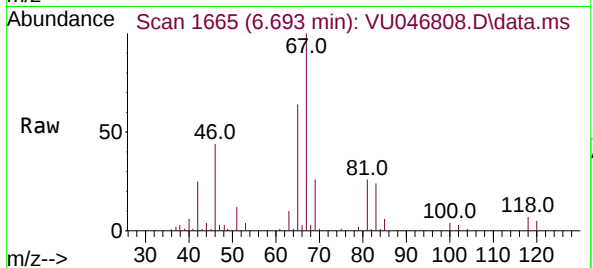
ClientSampleId :

Tgt Ion: 63 Resp: 4247

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#38

Bromodichloromethane

Concen: 0.104 ug/L

RT: 7.105 min Scan# 1793

Delta R.T. -0.003 min

Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

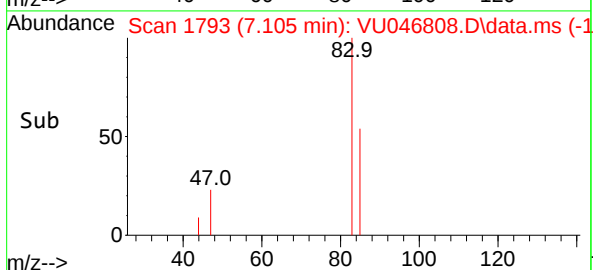
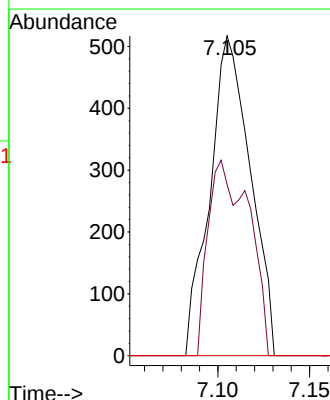
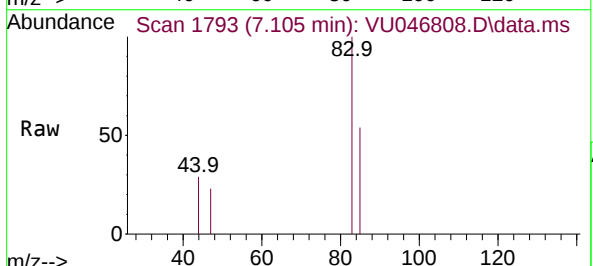
Tgt Ion: 83 Resp: 797

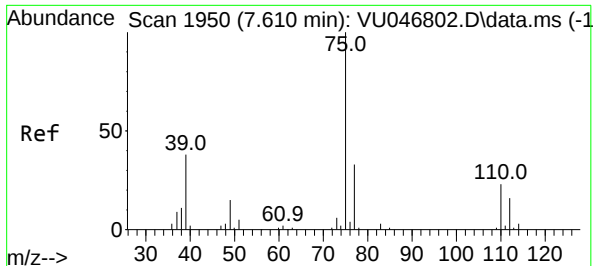
Ion Ratio Lower Upper

83 100

85 53.6 44.0 81.8

127 0.0 6.3 9.5#





#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

Instrument :

MSVOA_U

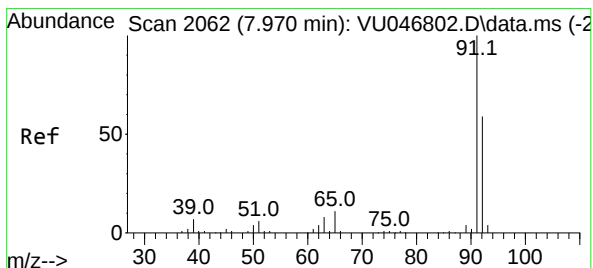
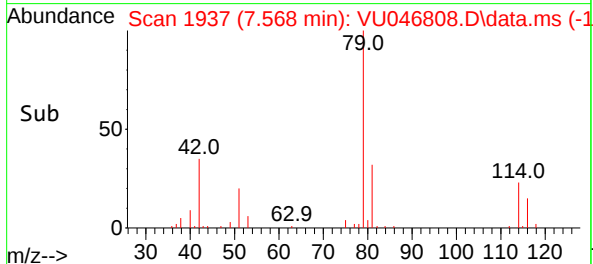
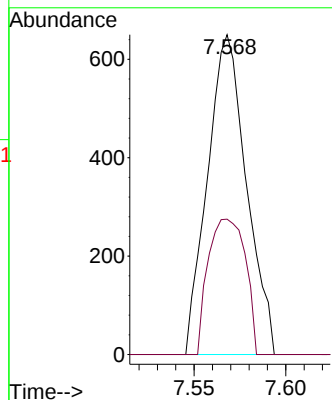
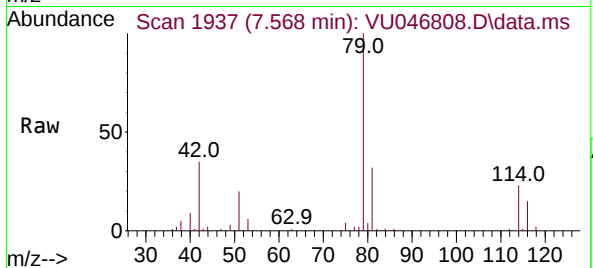
ClientSampleId :

Tgt Ion: 75 Resp: 959

Ion Ratio Lower Upper

75 100

77 42.3 22.5 41.9#



#42

Toluene

Concen: 0.316 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.000 min

Lab File: VU046808.D

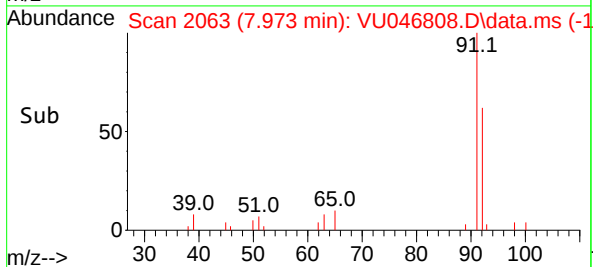
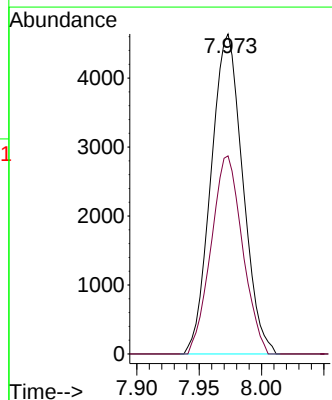
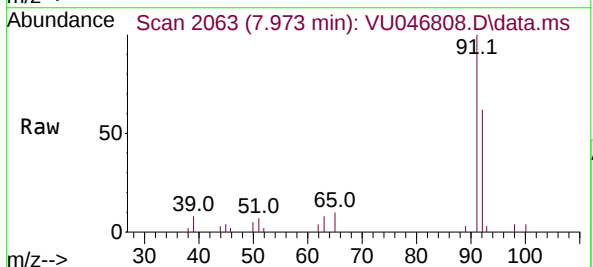
Acq: 20 Jan 2022 14:02

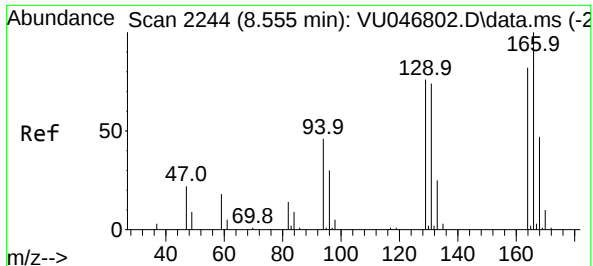
Tgt Ion: 91 Resp: 8222

Ion Ratio Lower Upper

91 100

92 61.9 41.3 76.7





#47

Tetrachloroethene

Concen: 0.427 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.000 min

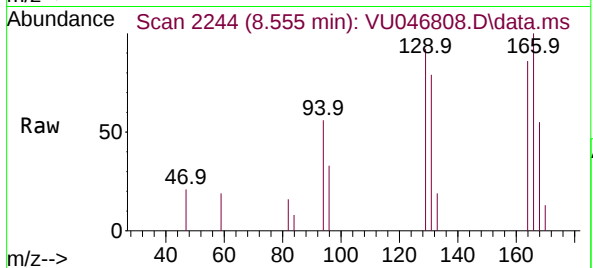
Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 1961

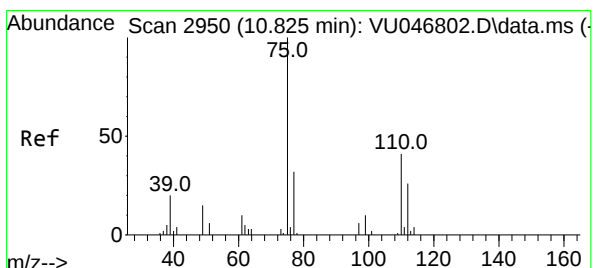
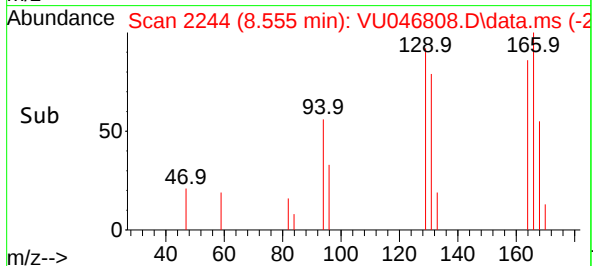
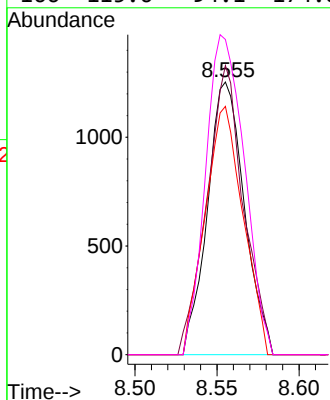
Ion Ratio Lower Upper

164 100

129 106.1 71.8 133.4

131 91.1 68.5 127.3

166 115.6 94.1 174.8



#61

1,2,3-Trichloropropane

Concen: 1.356 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.987 min

Lab File: VU046808.D

Acq: 20 Jan 2022 14:02

Tgt Ion: 75 Resp: 5891

Ion Ratio Lower Upper

75 100

110 1.8 29.9 44.9#

77 30.5 25.5 38.3

