

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013122\
 Data File : VU046929.D
 Acq On : 31 Jan 2022 19:55
 Operator : SY/MD
 Sample : N1273-20 50X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 01 00:29:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 01 00:23:47 2022
 Response via : Initial Calibration

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

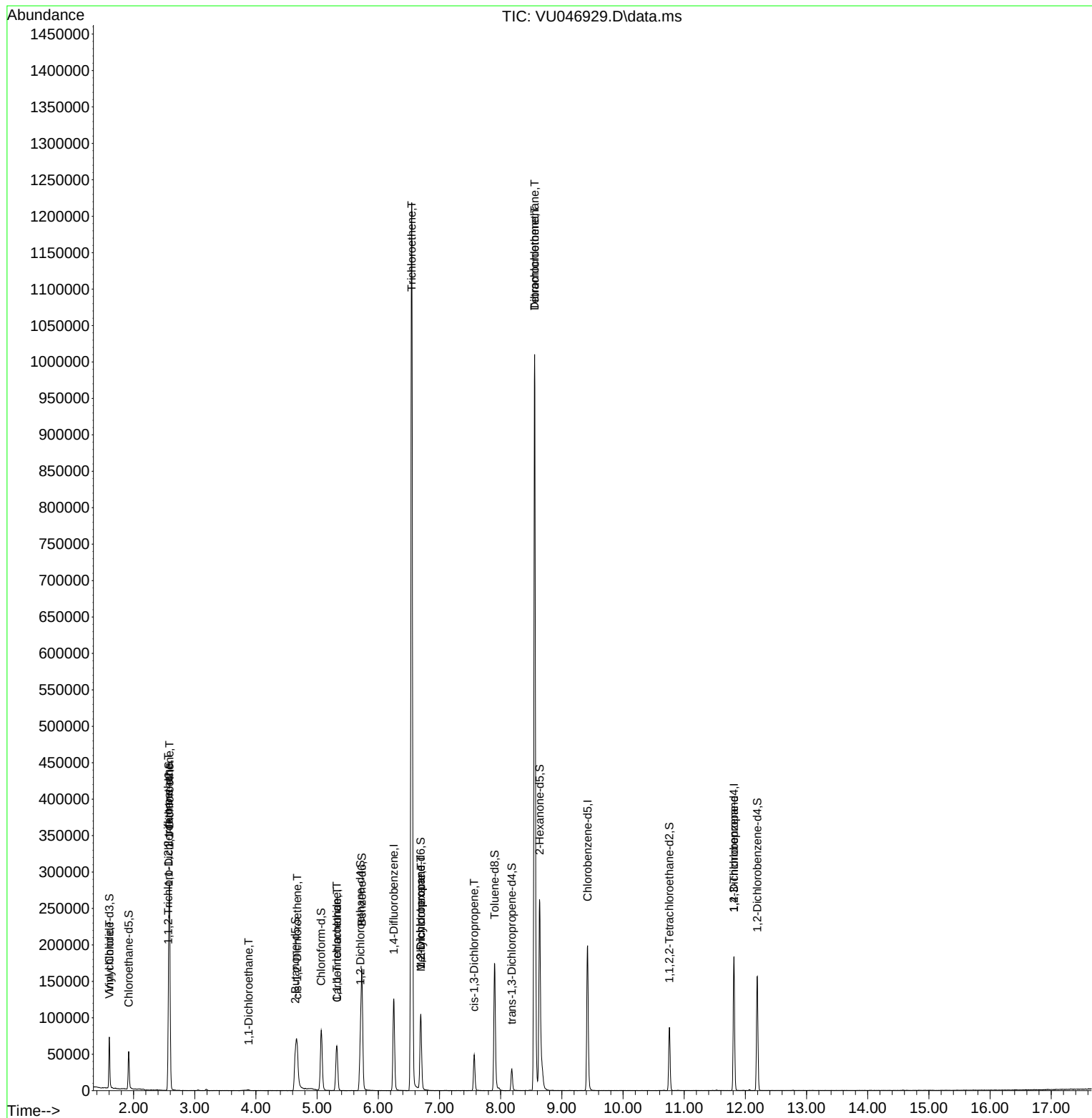
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	104273	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	117032	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	48579	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	52584	5.951	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	119.000%
7) Chloroethane-d5	1.919	69	40341	5.795	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.800%
11) 1,1-Dichloroethene-d2	2.575	65	20808	5.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	118.400%
20) 2-Butanone-d5	4.646	46	107254	40.975	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.940%
24) Chloroform-d	5.067	84	77928	5.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
26) 1,2-Dichloroethane-d4	5.707	65	43752	5.180	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.600%
32) Benzene-d6	5.732	84	156883	4.561	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.694	67	51578	4.994	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.800%
41) Toluene-d8	7.899	98	126567	4.020	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
43) trans-1,3-Dichloroprop...	8.182	79	18101	3.991	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.800%
46) 2-Hexanone-d5	8.636	63	110283	41.066	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.140%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	44312	4.274	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	42497	4.665	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						
5) Vinyl chloride	1.607	62	720	0.086	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	658	0.108	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	79363	13.631	ug/L #	69
19) 1,1-Dichloroethane	3.880	63	1512	0.143	ug/L #	72
22) cis-1,2-Dichloroethene	4.674	96	20880	3.139	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	47238	4.481	ug/L	97
31) Carbon tetrachloride	5.324	117	5826	0.644	ug/L	98
34) Trichloroethene	6.546	95	428947	59.959	ug/L	97
35) Methylcyclohexane	6.697	83	11748	0.980	ug/L #	17
37) 1,2-Dichloropropane	6.694	63	5367	0.794	ug/L #	88
39) cis-1,3-Dichloropropene	7.565	75	1183	0.112	ug/L #	70
47) Tetrachloroethene	8.555	164	226649	38.954	ug/L	97
49) Dibromochloromethane	8.555	129	222934	32.864	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	6383	1.551	ug/L #	64

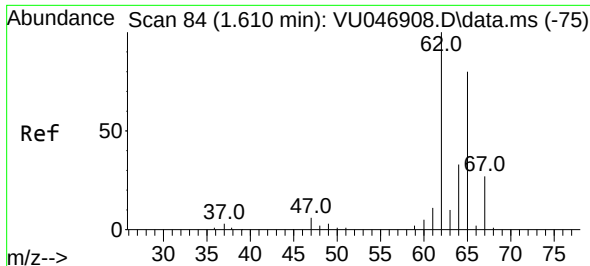
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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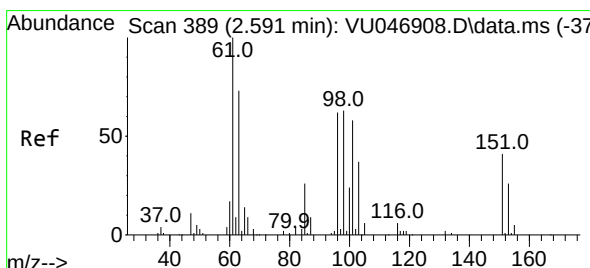
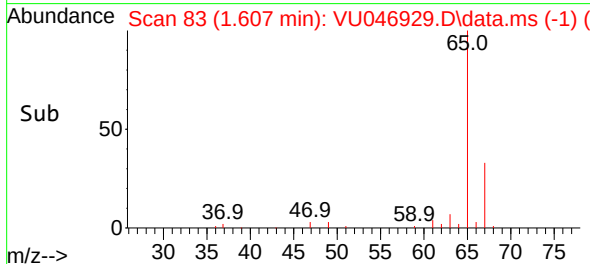
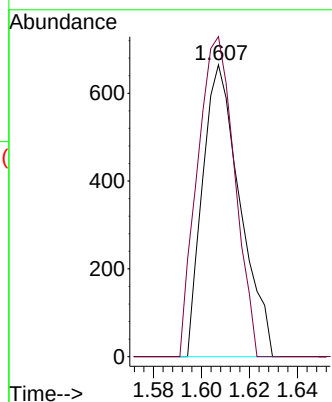
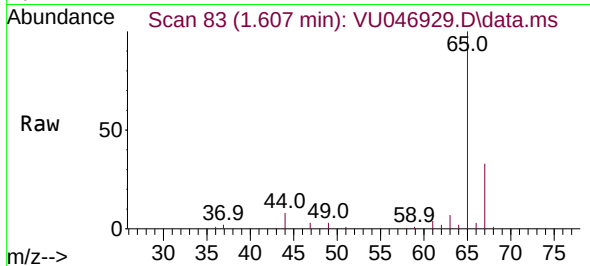




#5
 Vinyl chloride
 Concen: 0.086 ug/L
 RT: 1.607 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU046929.D
 Acq: 31 Jan 2022 19:55

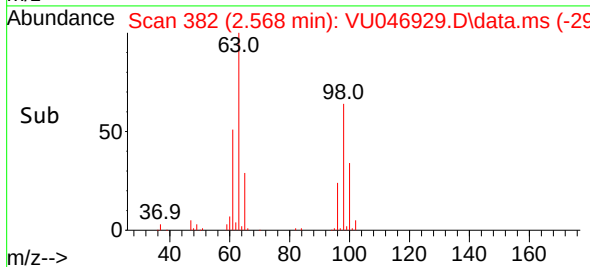
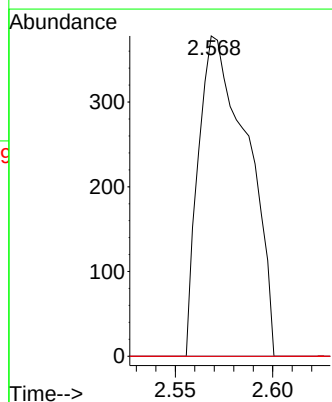
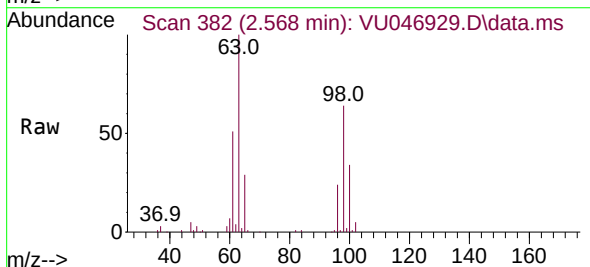
Instrument :
 MSVOA_U
 ClientSampleId :

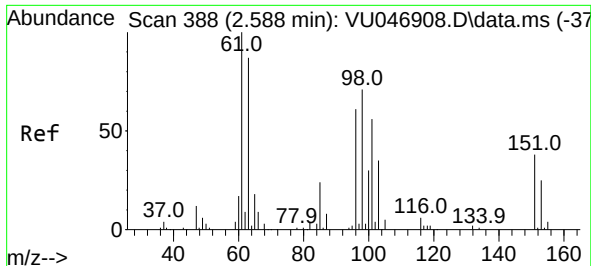
Tgt Ion: 62 Resp: 720
 Ion Ratio Lower Upper
 62 100
 64 109.6 22.9 42.5#



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.108 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.022 min
 Lab File: VU046929.D
 Acq: 31 Jan 2022 19:55

Tgt Ion: 101 Resp: 658
 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: 13.631 ug/L

RT: 2.588 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046929.D

Acq: 31 Jan 2022 19:55

Instrument :

MSVOA_U

ClientSampleId :

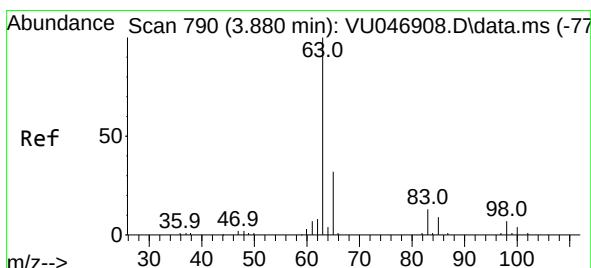
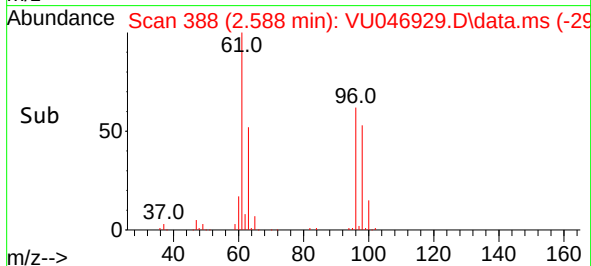
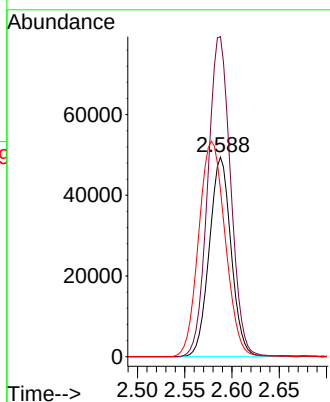
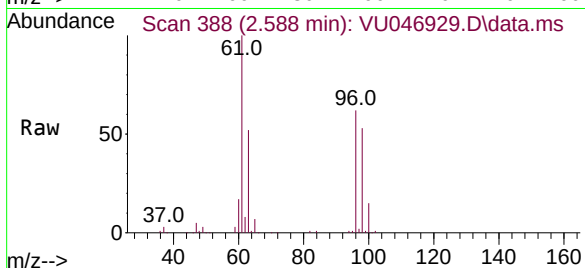
Tgt Ion: 96 Resp: 79363

Ion Ratio Lower Upper

96 100

61 160.3 124.7 231.5

63 83.8 105.2 195.4#



#19

1,1-Dichloroethane

Concen: 0.143 ug/L

RT: 3.880 min Scan# 790

Delta R.T. 0.000 min

Lab File: VU046929.D

Acq: 31 Jan 2022 19:55

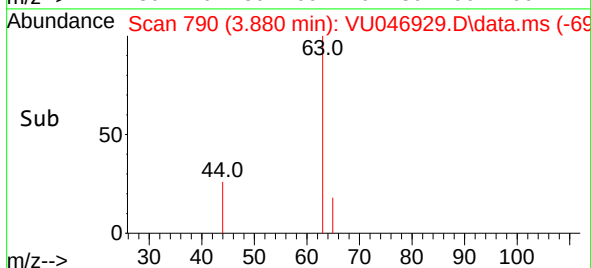
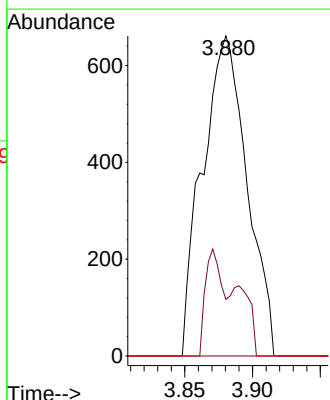
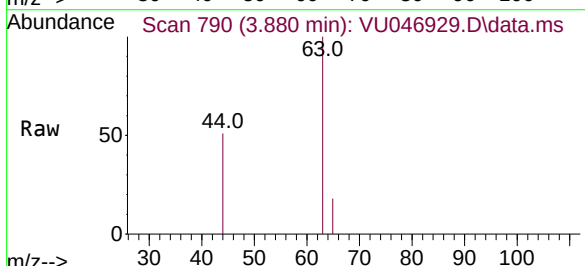
Tgt Ion: 63 Resp: 1512

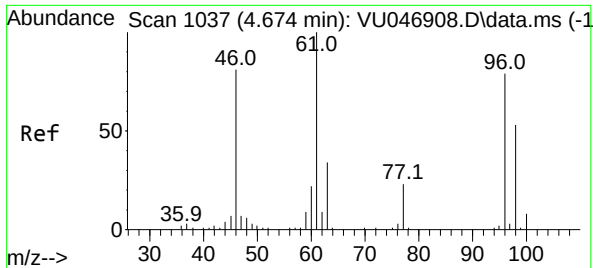
Ion Ratio Lower Upper

63 100

65 17.7 22.3 41.5#

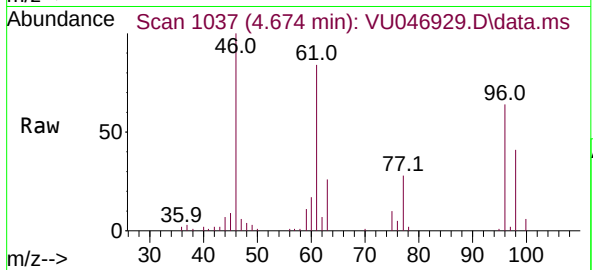
83 0.0 9.6 17.8#



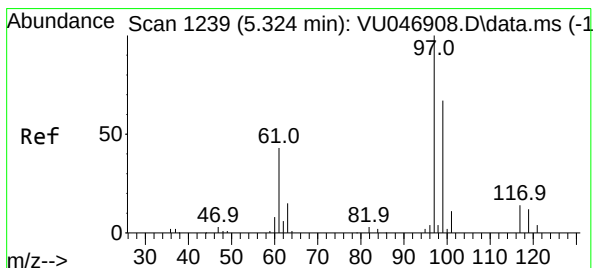
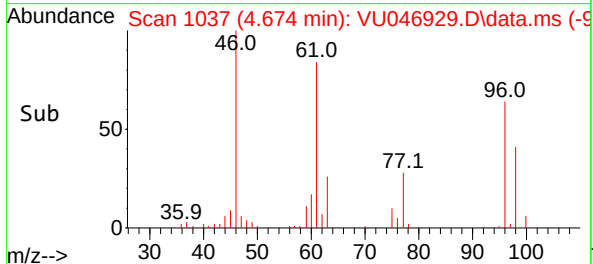
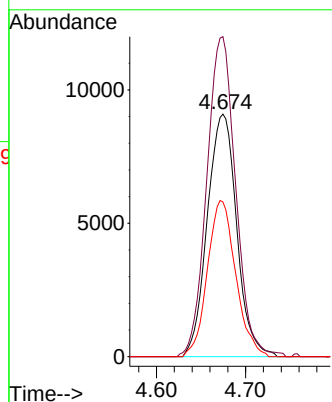


#22
 cis-1,2-Dichloroethene
 Concen: 3.139 ug/L
 RT: 4.674 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VU046929.D
 Acq: 31 Jan 2022 19:55

Instrument :
 MSVOA_U
 ClientSampleId :

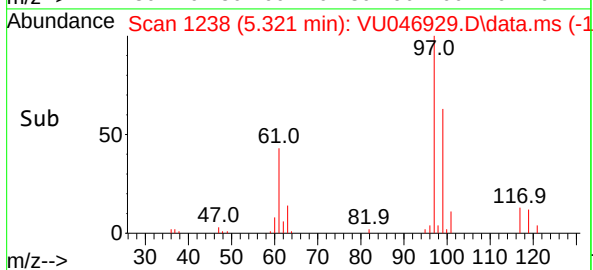
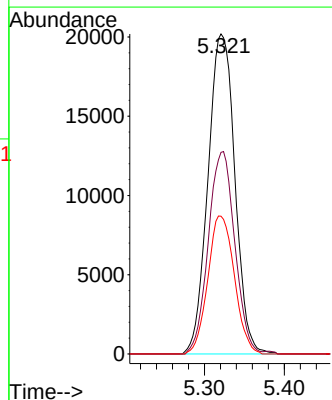
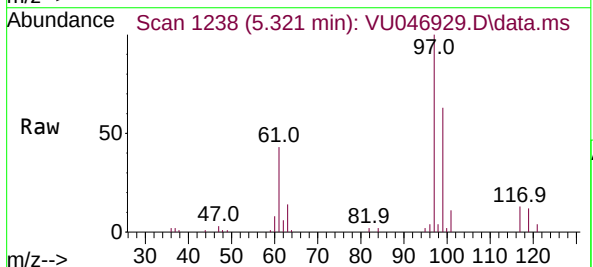


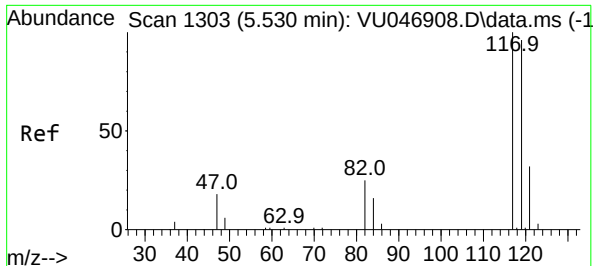
Tgt Ion:	96	Resp:	20880
Ion	Ratio	Lower	Upper
96	100		
61	131.9	88.5	164.3
98	63.8	44.4	82.5



#29
 1,1,1-Trichloroethane
 Concen: 4.481 ug/L
 RT: 5.321 min Scan# 1238
 Delta R.T. -0.003 min
 Lab File: VU046929.D
 Acq: 31 Jan 2022 19:55

Tgt Ion:	97	Resp:	47238
Ion	Ratio	Lower	Upper
97	100		
99	62.2	51.3	76.9
61	42.5	36.1	54.1

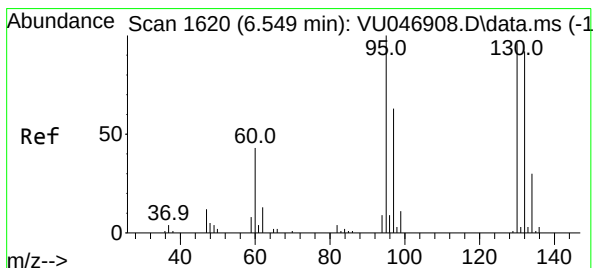
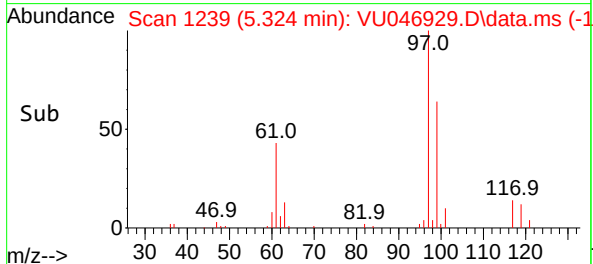
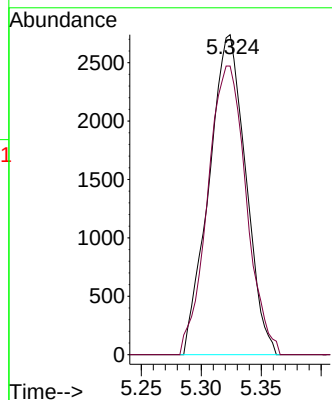
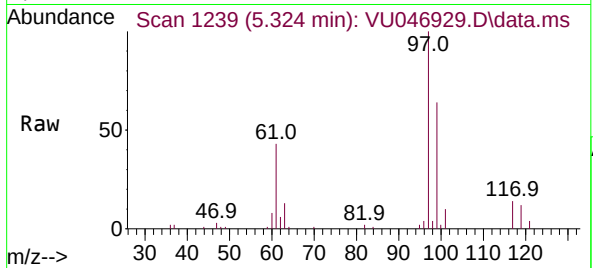




#31
Carbon tetrachloride
Concen: 0.644 ug/L
RT: 5.324 min Scan# 11
Delta R.T. -0.206 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

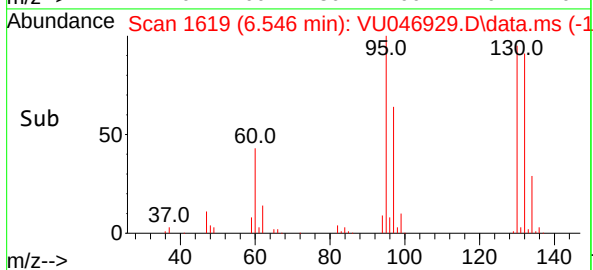
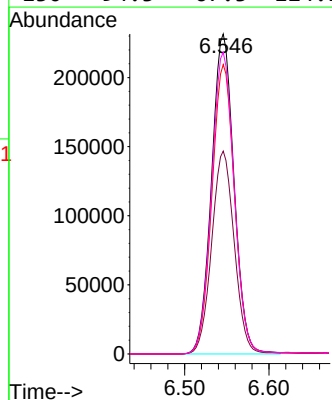
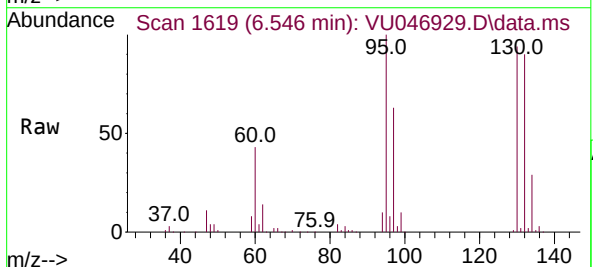
Instrument :
MSVOA_U
ClientSampleId :

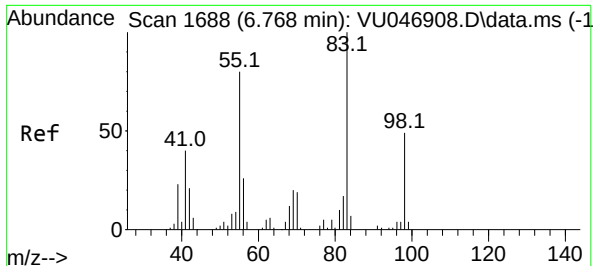
Tgt Ion:117 Resp: 5826
Ion Ratio Lower Upper
117 100
119 94.7 77.5 116.3



#34
Trichloroethene
Concen: 59.959 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.003 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

Tgt Ion: 95 Resp: 428947
Ion Ratio Lower Upper
95 100
97 63.4 46.5 86.5
132 90.4 65.1 120.9
130 94.3 67.3 124.9

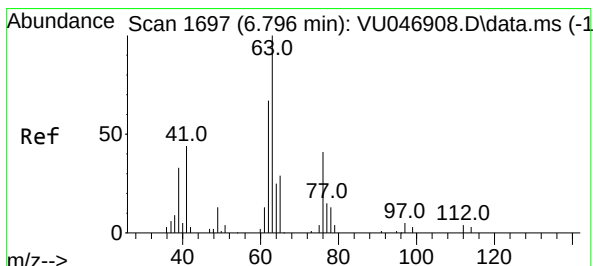
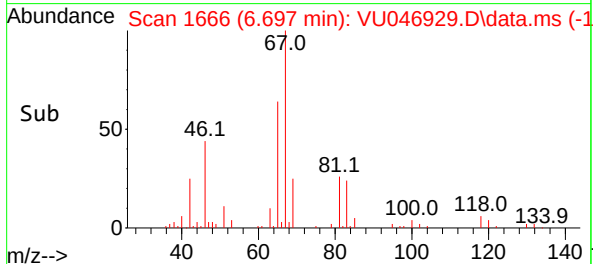
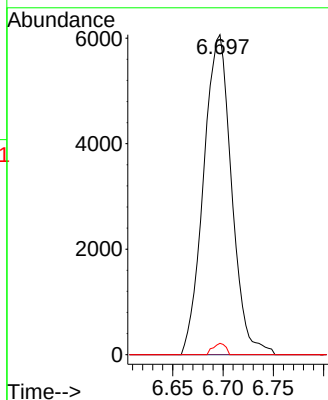
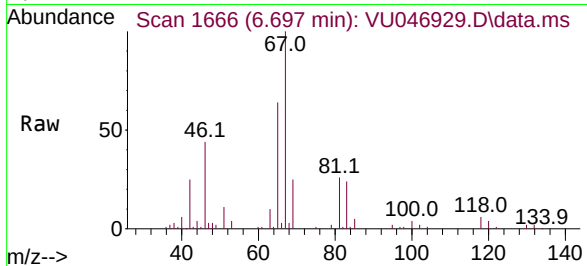




#35
Methylcyclohexane
Concen: 0.980 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

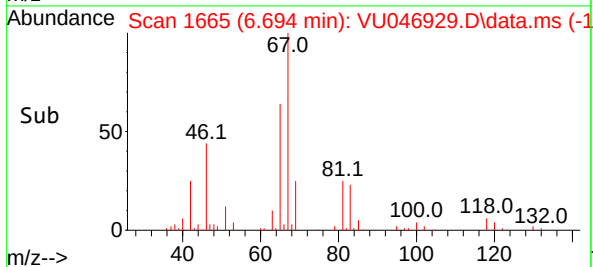
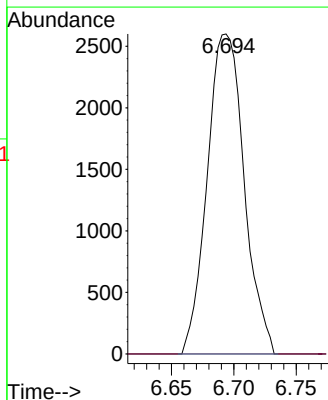
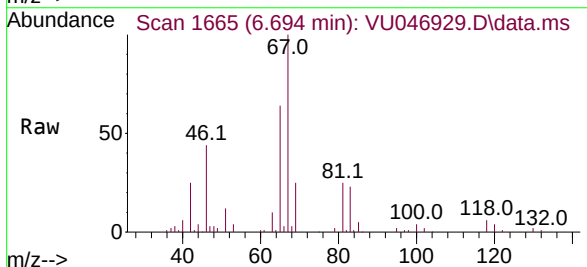
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ClientSampleId :

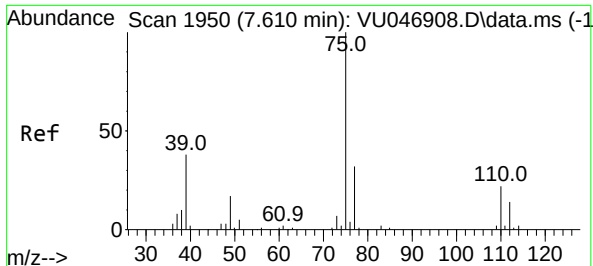
Tgt Ion: 83 Resp: 11748
Ion Ratio Lower Upper
83 100
55 0.0 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.794 ug/L
RT: 6.694 min Scan# 1665
Delta R.T. -0.103 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

Tgt Ion: 63 Resp: 5367
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

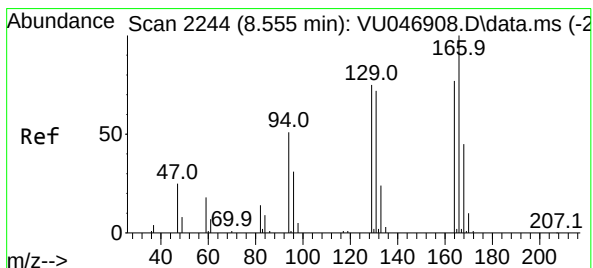
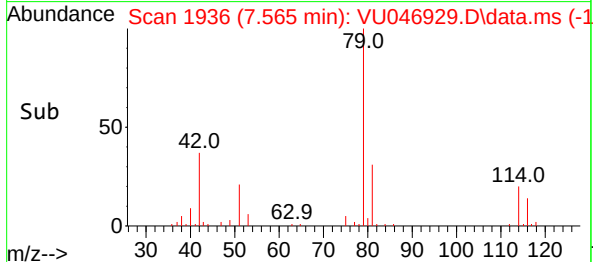
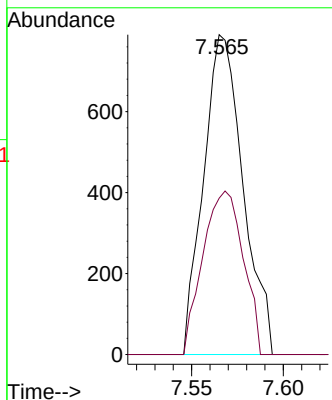
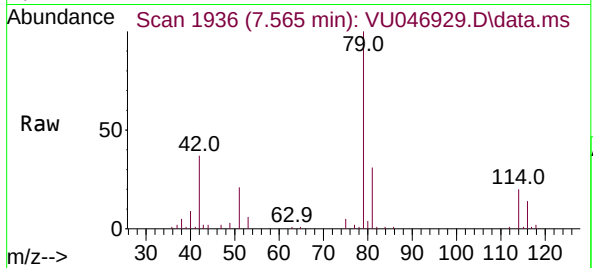




#39
cis-1,3-Dichloropropene
Concen: 0.112 ug/L
RT: 7.565 min Scan# 1950
Delta R.T. -0.045 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

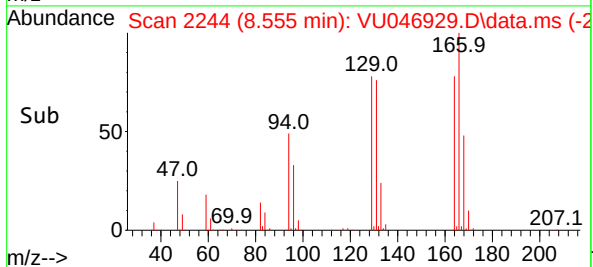
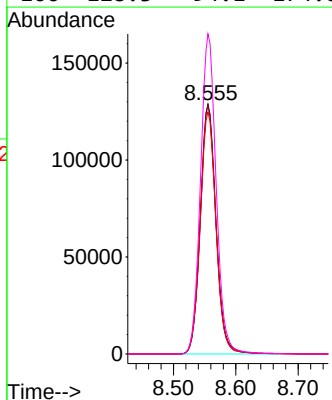
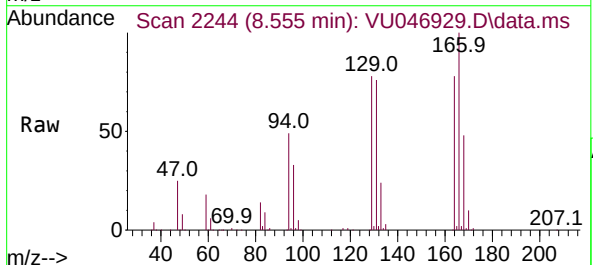
Instrument :
MSVOA_U
ClientSampleId :

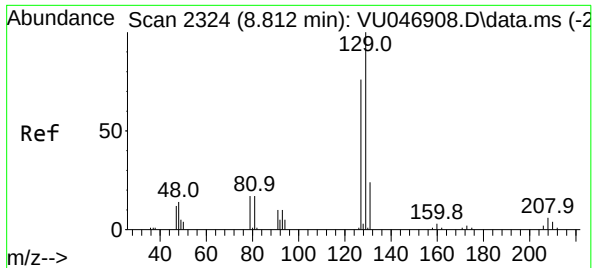
Tgt Ion: 75 Resp: 1183
Ion Ratio Lower Upper
75 100
77 48.9 22.5 41.9#



#47
Tetrachloroethene
Concen: 38.954 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

Tgt Ion: 164 Resp: 226649
Ion Ratio Lower Upper
164 100
129 100.0 71.8 133.4
131 97.1 68.5 127.3
166 128.3 94.1 174.8

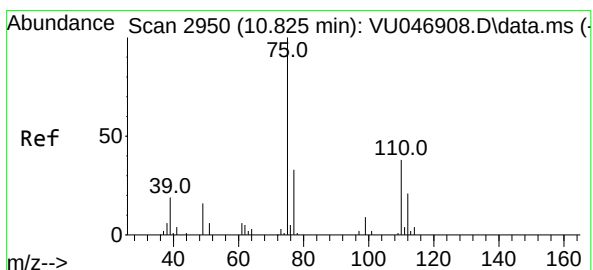
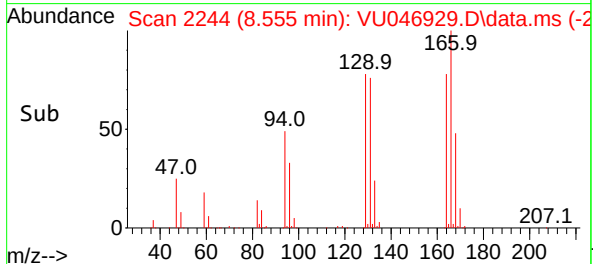
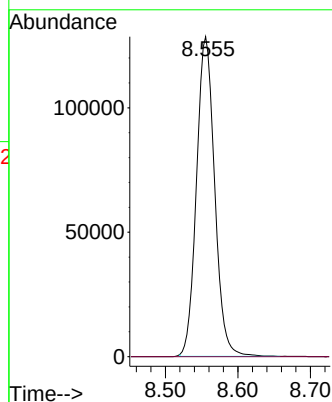
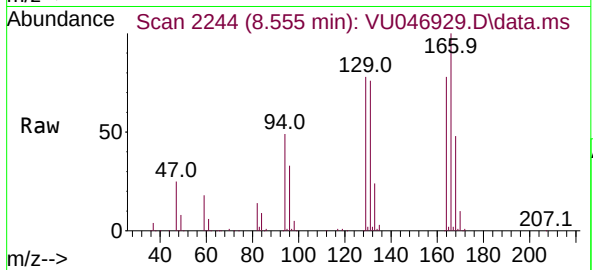




#49
Dibromochloromethane
Concen: 32.864 ug/L
RT: 8.555 min Scan# 211
Delta R.T. -0.257 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 222934
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#



#61
1,2,3-Trichloropropane
Concen: 1.551 ug/L
RT: 11.812 min Scan# 3257
Delta R.T. 0.987 min
Lab File: VU046929.D
Acq: 31 Jan 2022 19:55

Tgt Ion: 75 Resp: 6383
Ion Ratio Lower Upper
75 100
110 0.0 29.9 44.9#
77 29.7 25.5 38.3

