

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021622\
 Data File : VU047163.D
 Acq On : 16 Feb 2022 16:03
 Operator : SY/MD
 Sample : N1545-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY02

Quant Time: Feb 17 04:06:11 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)

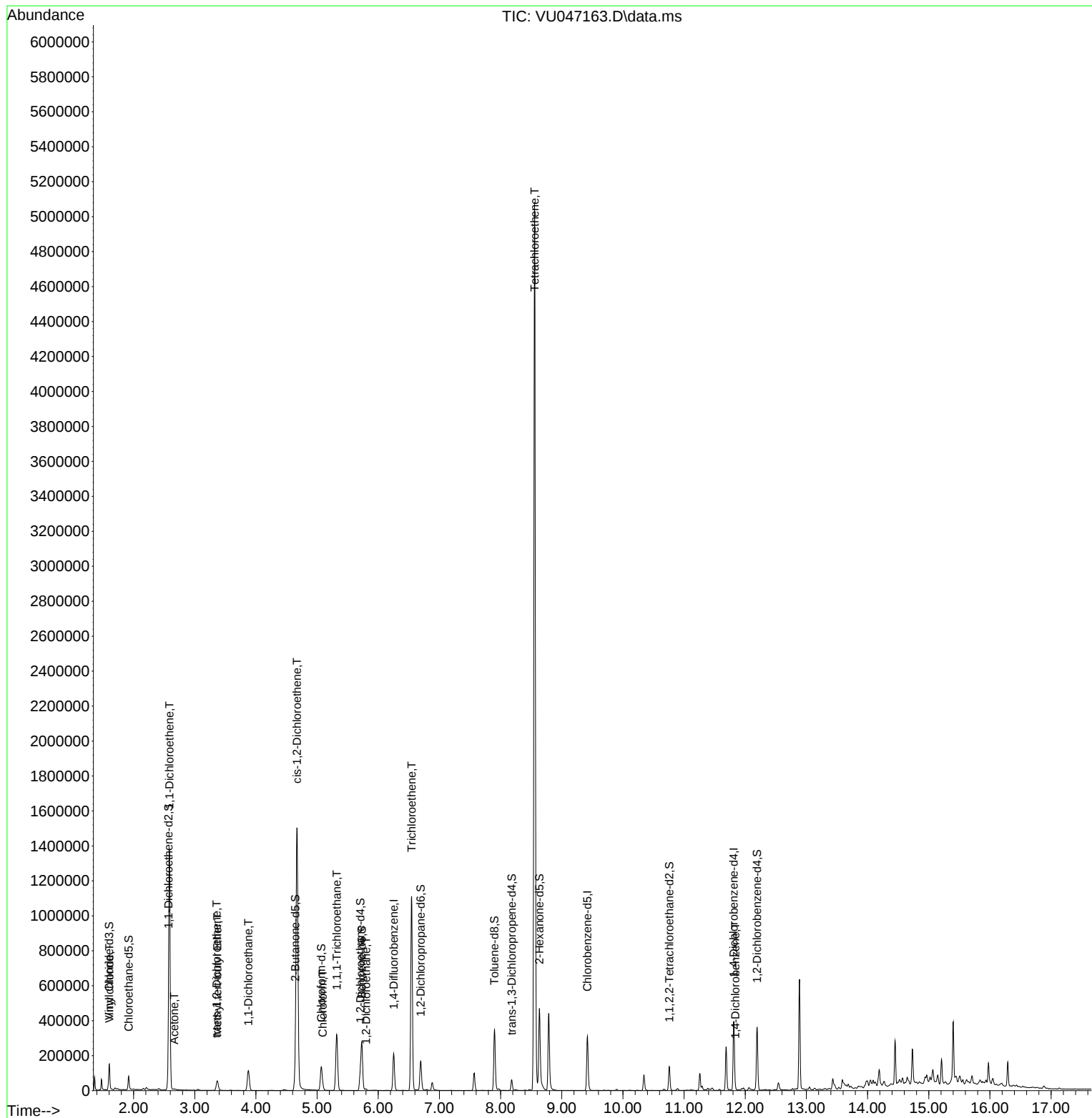
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	178737	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	182524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	105651	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	74065	4.906	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.919	69	58811	4.916	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.400%
11) 1,1-Dichloroethene-d2	2.572	65	29709	4.758	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.200%
20) 2-Butanone-d5	4.646	46	182784	50.659	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.320%
24) Chloroform-d	5.070	84	121891	4.861	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.707	65	66281	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	5.732	84	256619	5.032	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
36) 1,2-Dichloropropane-d6	6.694	67	81072	4.996	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.899	98	247472	4.960	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.200%
43) trans-1,3-Dichloroprop...	8.182	79	34214	4.651	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.000%
46) 2-Hexanone-d5	8.636	63	176745	45.631	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.260%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	68878	4.670	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	94962	5.010	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.607	62	25362	1.531	ug/L	96
12) 1,1-Dichloroethene	2.588	96	451371	38.377	ug/L #	60
13) Acetone	2.665	43	10512	5.820	ug/L	57
17) Methyl tert-butyl Ether	3.369	73	58990	1.835	ug/L	97
18) trans-1,2-Dichloroethene	3.359	96	3177	0.250	ug/L	95
19) 1,1-Dichloroethane	3.877	63	132916	5.982	ug/L	100
22) cis-1,2-Dichloroethene	4.671	96	780260	56.400	ug/L	99
25) Chloroform	5.092	83	15675	0.674	ug/L	99
27) 1,2-Dichloroethane	5.800	62	6838	0.440	ug/L	99
29) 1,1,1-Trichloroethane	5.321	97	230661	11.670	ug/L	99
34) Trichloroethene	6.546	95	374396	27.064	ug/L	96
47) Tetrachloroethene	8.555	164	1168914	104.123	ug/L	93
65) 1,4-Dichlorobenzene	11.838	146	5905	0.195	ug/L	98

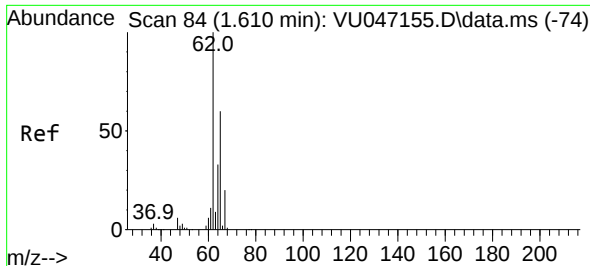
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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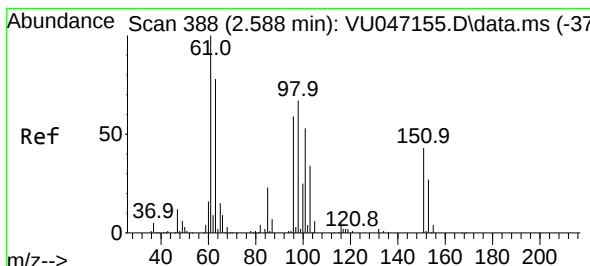
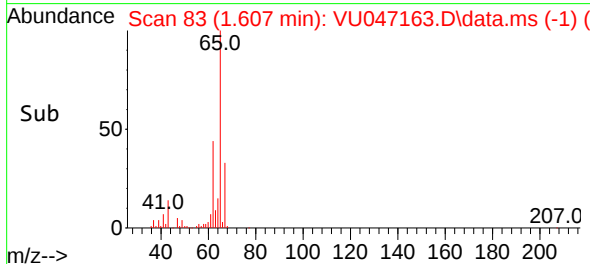
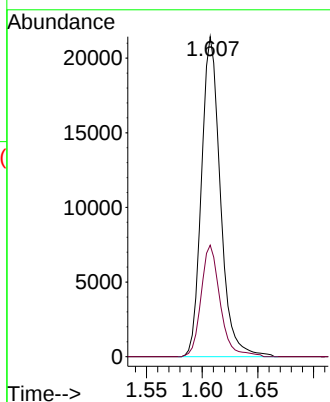
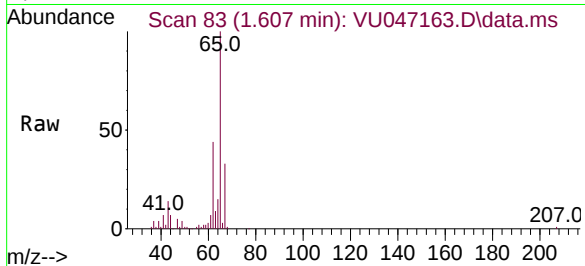




#5
 Vinyl chloride
 Concen: 1.531 ug/L
 RT: 1.607 min Scan# 84
 Delta R.T. -0.003 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

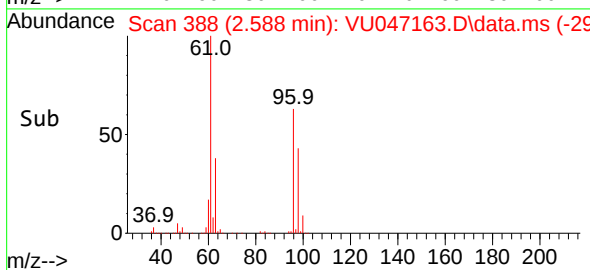
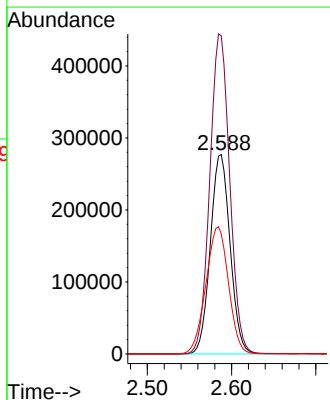
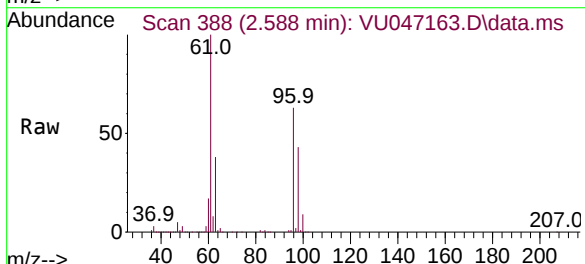
Instrument :
 MSVOA_U
 ClientSampleId :
 BFY02

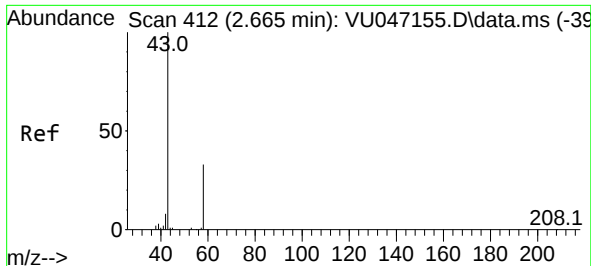
Tgt Ion: 62 Resp: 25362
 Ion Ratio Lower Upper
 62 100
 64 34.9 22.9 42.5



#12
 1,1-Dichloroethene
 Concen: 38.377 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

Tgt Ion: 96 Resp: 451371
 Ion Ratio Lower Upper
 96 100
 61 159.7 124.7 231.5
 63 60.2 105.2 195.4#

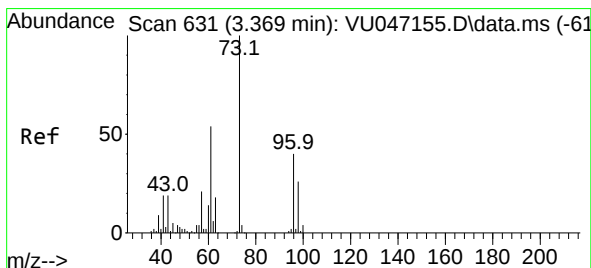
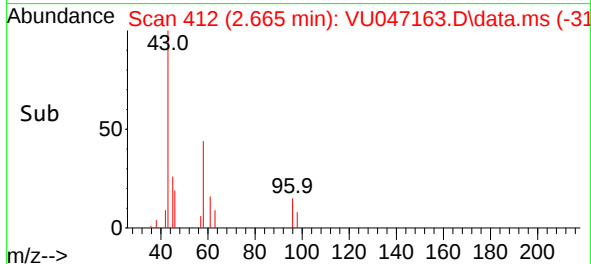
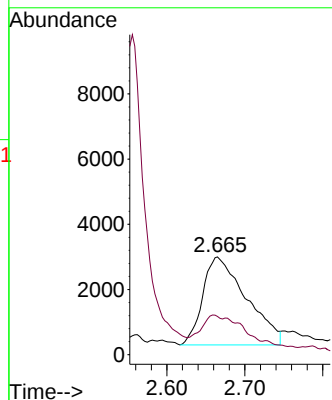
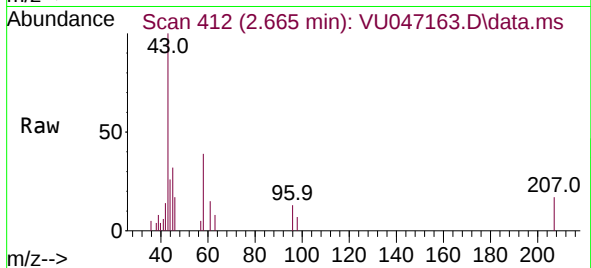




#13
Acetone
Concen: 5.820 ug/L
RT: 2.665 min Scan# 412
Delta R.T. -0.000 min
Lab File: VU047163.D
Acq: 16 Feb 2022 16:03

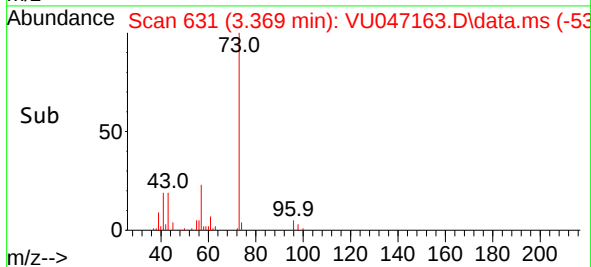
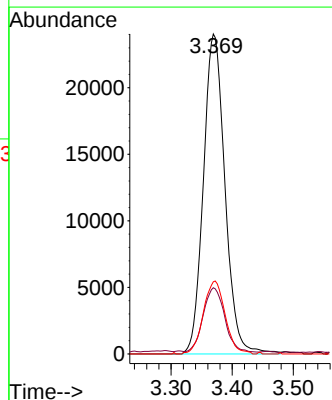
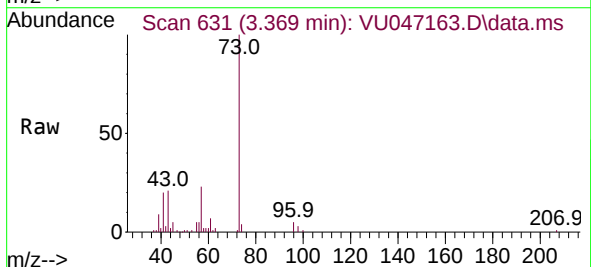
Instrument :
MSVOA_U
ClientSampleId :
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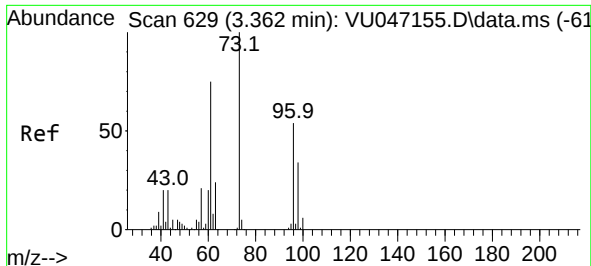
Tgt Ion: 43 Resp: 10512
Ion Ratio Lower Upper
43 100
58 10.7 0.0 71.6



#17
Methyl tert-butyl Ether
Concen: 1.835 ug/L
RT: 3.369 min Scan# 631
Delta R.T. 0.000 min
Lab File: VU047163.D
Acq: 16 Feb 2022 16:03

Tgt Ion: 73 Resp: 58990
Ion Ratio Lower Upper
73 100
43 19.9 14.8 22.2
57 23.0 17.4 26.0

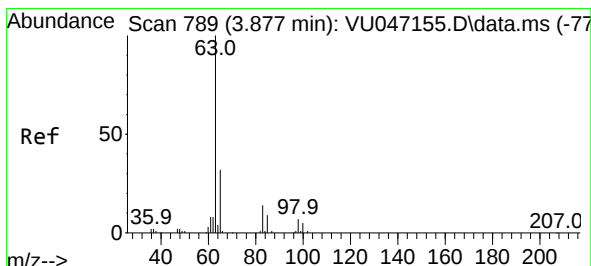
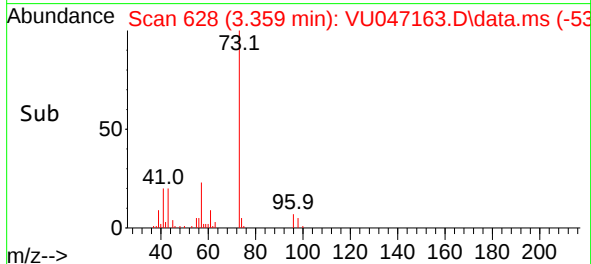
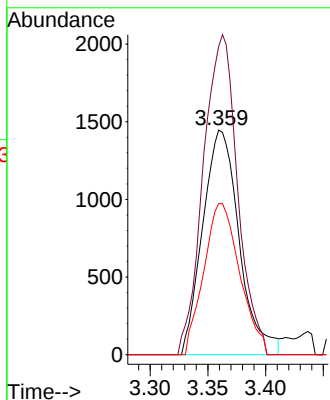
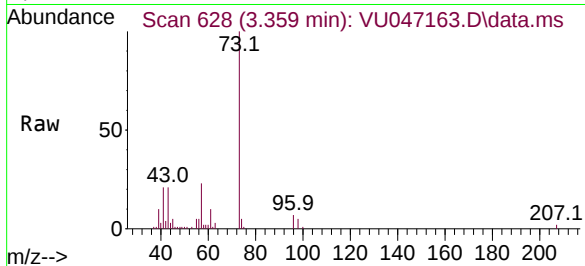




#18
trans-1,2-Dichloroethene
Concen: 0.250 ug/L
RT: 3.359 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU047163.D
Acq: 16 Feb 2022 16:03

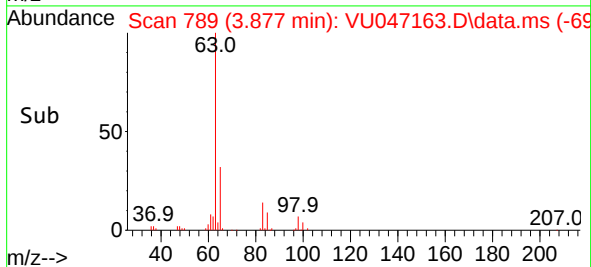
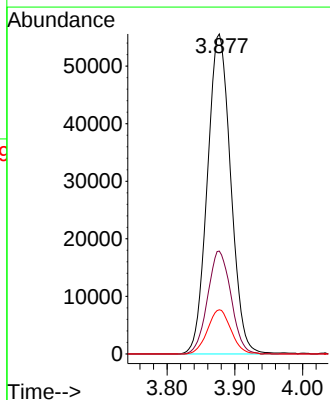
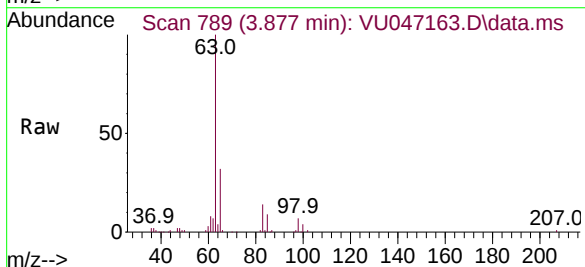
Instrument :
MSVOA_U
ClientSampleId :
BFY02

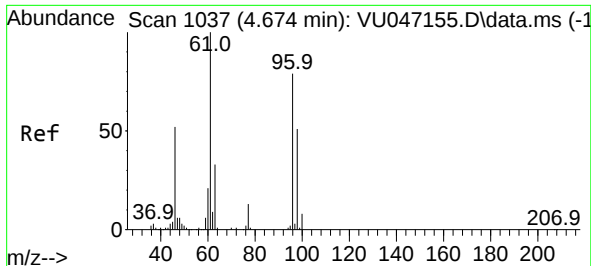
Tgt Ion: 96 Resp: 3177
Ion Ratio Lower Upper
96 100
61 137.2 100.8 187.2
98 67.2 45.1 83.7



#19
1,1-Dichloroethane
Concen: 5.982 ug/L
RT: 3.877 min Scan# 789
Delta R.T. 0.000 min
Lab File: VU047163.D
Acq: 16 Feb 2022 16:03

Tgt Ion: 63 Resp: 132916
Ion Ratio Lower Upper
63 100
65 32.1 22.3 41.5
83 13.8 9.6 17.8

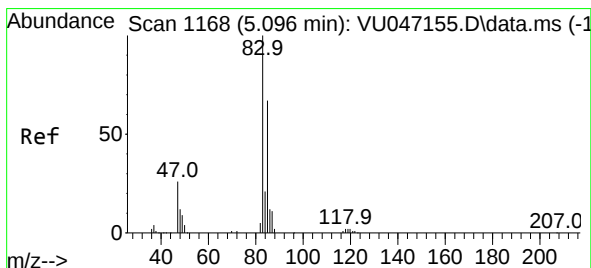
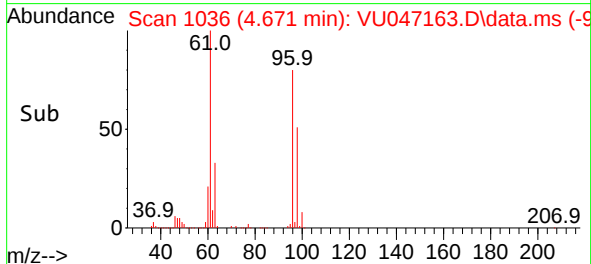
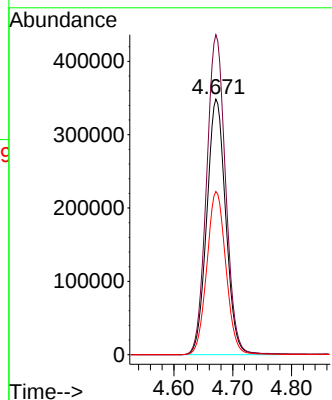
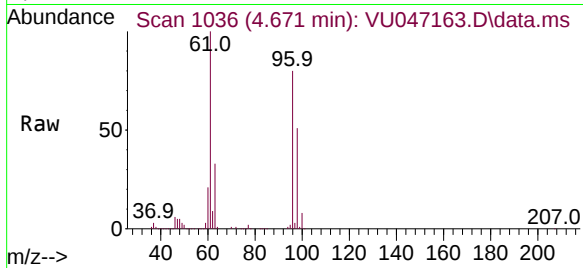




#22
 cis-1,2-Dichloroethene
 Concen: 56.400 ug/L
 RT: 4.671 min Scan# 1167
 Delta R.T. -0.003 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

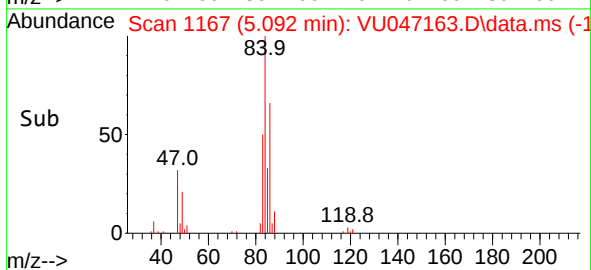
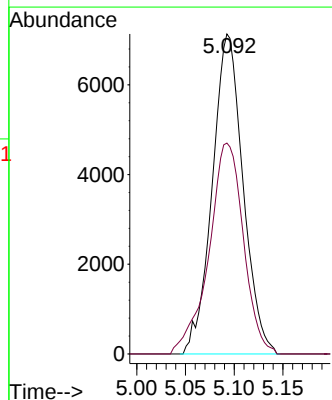
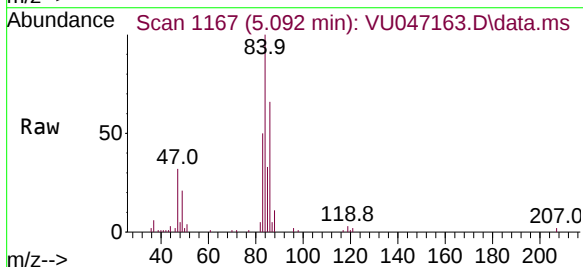
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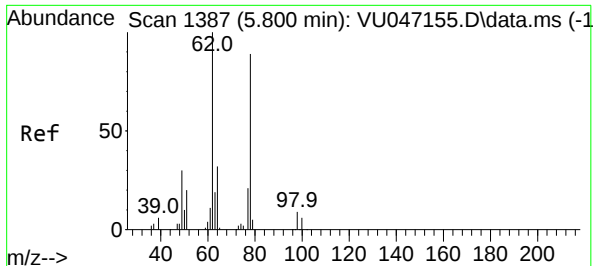
Tgt Ion: 96 Resp: 780260
 Ion Ratio Lower Upper
 96 100
 61 125.2 88.5 164.3
 98 63.9 44.4 82.5



#25
 Chloroform
 Concen: 0.674 ug/L
 RT: 5.092 min Scan# 1167
 Delta R.T. -0.003 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

Tgt Ion: 83 Resp: 15675
 Ion Ratio Lower Upper
 83 100
 85 65.9 46.9 87.1

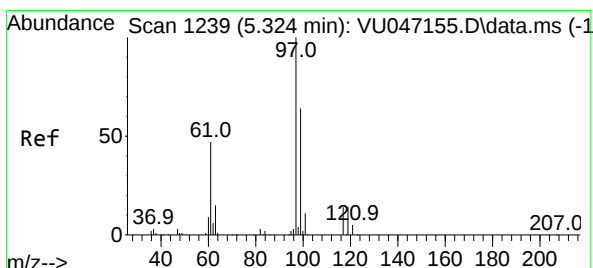
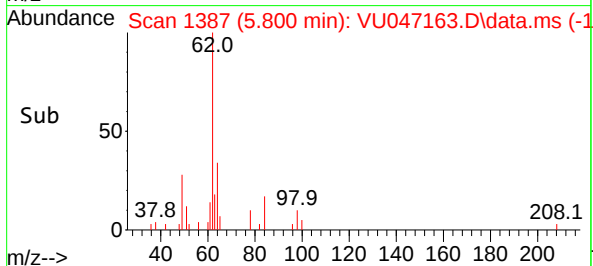
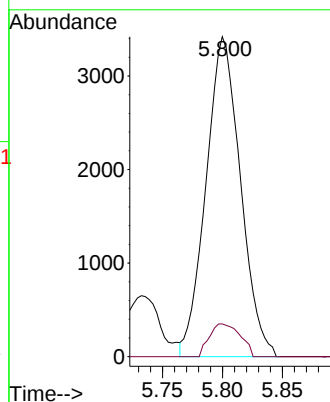
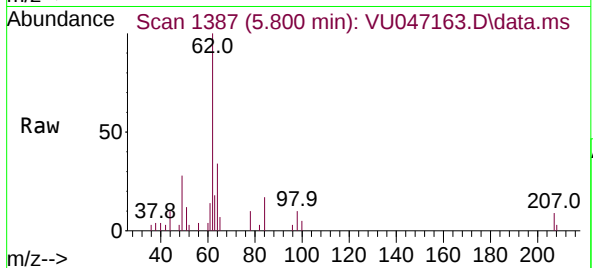




#27
1,2-Dichloroethane
Concen: 0.440 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU047163.D
Acq: 16 Feb 2022 16:03

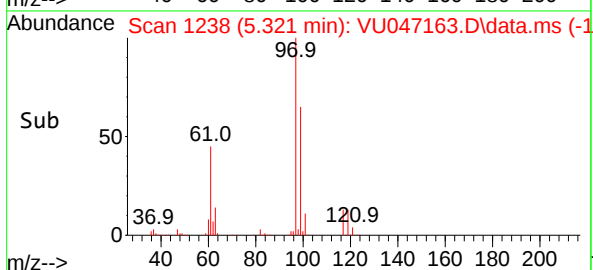
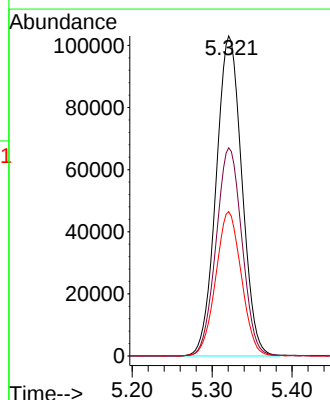
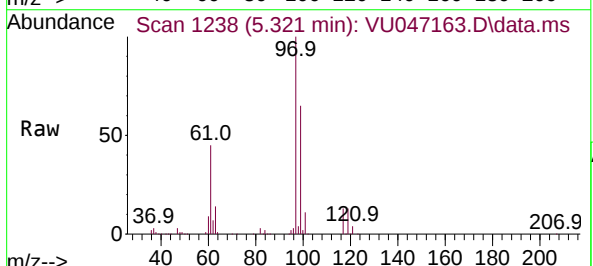
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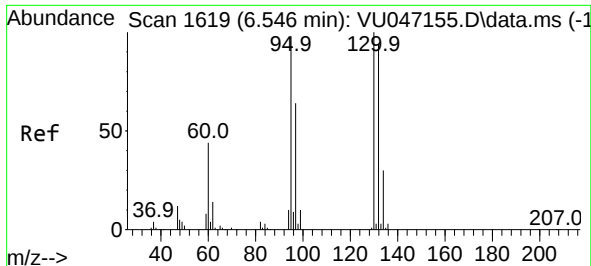
Tgt Ion: 62 Resp: 6838
Ion Ratio Lower Upper
62 100
98 10.2 7.8 11.8



#29
1,1,1-Trichloroethane
Concen: 11.670 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU047163.D
Acq: 16 Feb 2022 16:03

Tgt Ion: 97 Resp: 230661
Ion Ratio Lower Upper
97 100
99 65.4 51.3 76.9
61 44.9 36.1 54.1

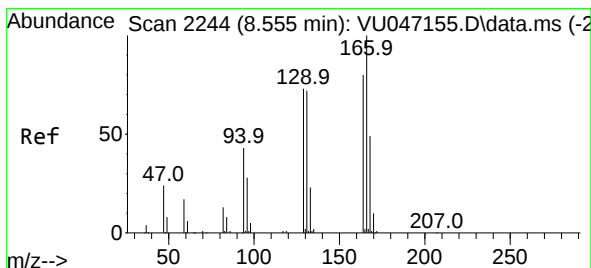
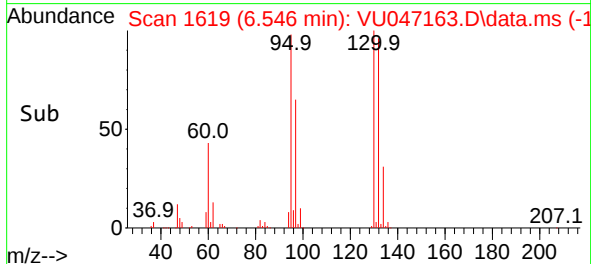
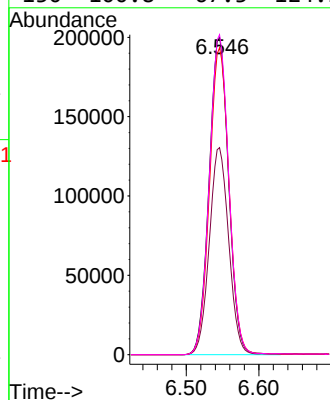
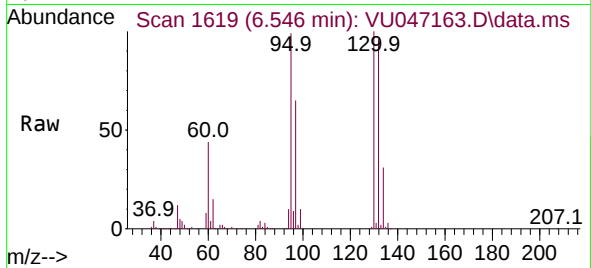




#34
 Trichloroethene
 Concen: 27.064 ug/L
 RT: 6.546 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

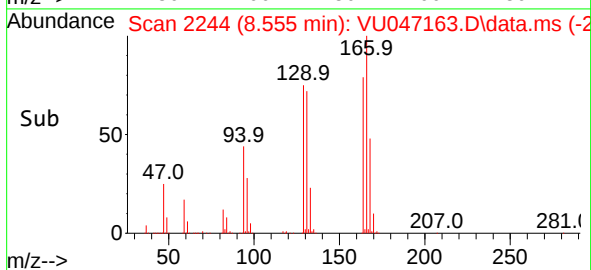
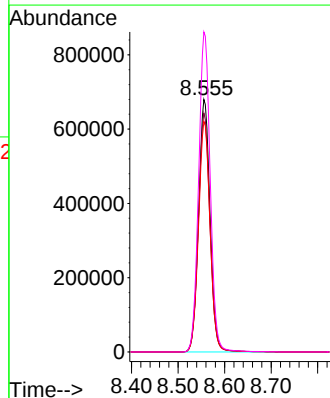
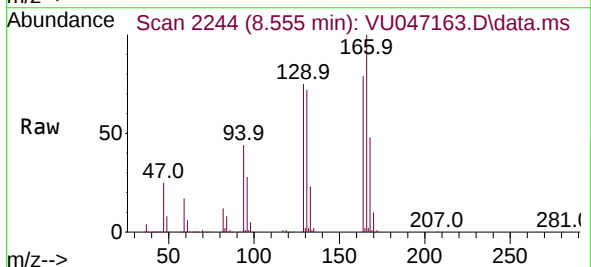
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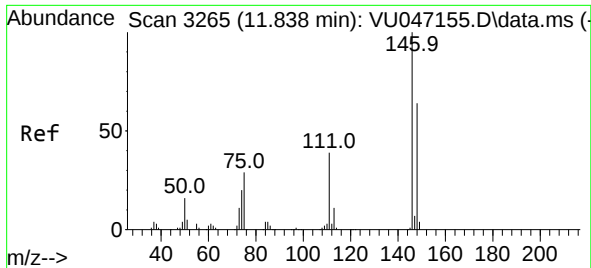
Tgt Ion: 95 Resp: 374396
 Ion Ratio Lower Upper
 95 100
 97 65.2 46.5 86.5
 132 96.6 65.1 120.9
 130 100.8 67.3 124.9



#47
 Tetrachloroethene
 Concen: 104.123 ug/L
 RT: 8.555 min Scan# 2244
 Delta R.T. 0.000 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

Tgt Ion:164 Resp: 1168914
 Ion Ratio Lower Upper
 164 100
 129 94.6 71.8 133.4
 131 91.3 68.5 127.3
 166 126.7 94.1 174.8





#65
 1,4-Dichlorobenzene
 Concen: 0.195 ug/L
 RT: 11.838 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU047163.D
 Acq: 16 Feb 2022 16:03

Instrument :
 MSVOA_U
 ClientSampleId :
 BFY02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	28.7	53.3
148	67.6	45.8	85.0

