

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012822\
 Data File : VU046893.D
 Acq On : 28 Jan 2022 15:20
 Operator : SY/MD
 Sample : N1260-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFX4

Quant Time: Jan 29 00:41:18 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR011822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Jan 29 00:38:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	101764	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	111119	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	57077	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	31047	3.600	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.000%
7) Chloroethane-d5	1.919	69	30460	4.483	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.600%
11) 1,1-Dichloroethene-d2	2.575	65	13704	3.995	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.000%
20) 2-Butanone-d5	4.639	46	130590	51.120	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.240%
24) Chloroform-d	5.067	84	73624	4.864	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.200%
26) 1,2-Dichloroethane-d4	5.707	65	40434	4.905	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.000%
32) Benzene-d6	5.732	84	138194	4.231	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
36) 1,2-Dichloropropane-d6	6.694	67	46981	4.791	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.800%
41) Toluene-d8	7.899	98	107618	3.600	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	8.179	79	15726	3.652	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.000%
46) 2-Hexanone-d5	8.636	63	111981	43.918	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.840%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	43973	4.467	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	12.195	152	43200	4.036	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	80.800%
Target Compounds						
9) Trichlorofluoromethane	2.144	101	3408	0.341	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	1392	0.234	ug/L #	57
12) 1,1-Dichloroethene	2.588	96	161432	28.410	ug/L #	64
17) Methyl tert-butyl Ether	3.369	73	54560	3.422	ug/L	98
18) trans-1,2-Dichloroethene	3.359	96	14949	2.429	ug/L	90
19) 1,1-Dichloroethane	3.874	63	59804	5.788	ug/L	98
22) cis-1,2-Dichloroethene	4.671	96	146154	22.512	ug/L	99
25) Chloroform	5.092	83	16491	1.006	ug/L	96
27) 1,2-Dichloroethane	5.800	62	3800	0.525	ug/L	97
29) 1,1,1-Trichloroethane	5.321	97	39736	3.970	ug/L	98
31) Carbon tetrachloride	5.321	117	4691	0.546	ug/L	90
34) Trichloroethene	6.546	95	557975	82.145	ug/L	99
35) Methylcyclohexane	6.697	83	11060	0.972	ug/L #	26
37) 1,2-Dichloropropane	6.697	63	5055	0.788	ug/L #	88
39) cis-1,3-Dichloropropene	7.571	75	1048	0.105	ug/L #	47
45) 1,1,2-Trichloroethane	8.404	97	1069	0.196	ug/L	94
47) Tetrachloroethene	8.555	164	207223	37.510	ug/L	97
49) Dibromochloromethane	8.555	129	205736	31.943	ug/L #	10
61) 1,2,3-Trichloropropane	10.825	75	3771	0.780	ug/L	95

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QLast Update : Sat Jan 29 00:38:36 2022
Response via : Initial Calibration

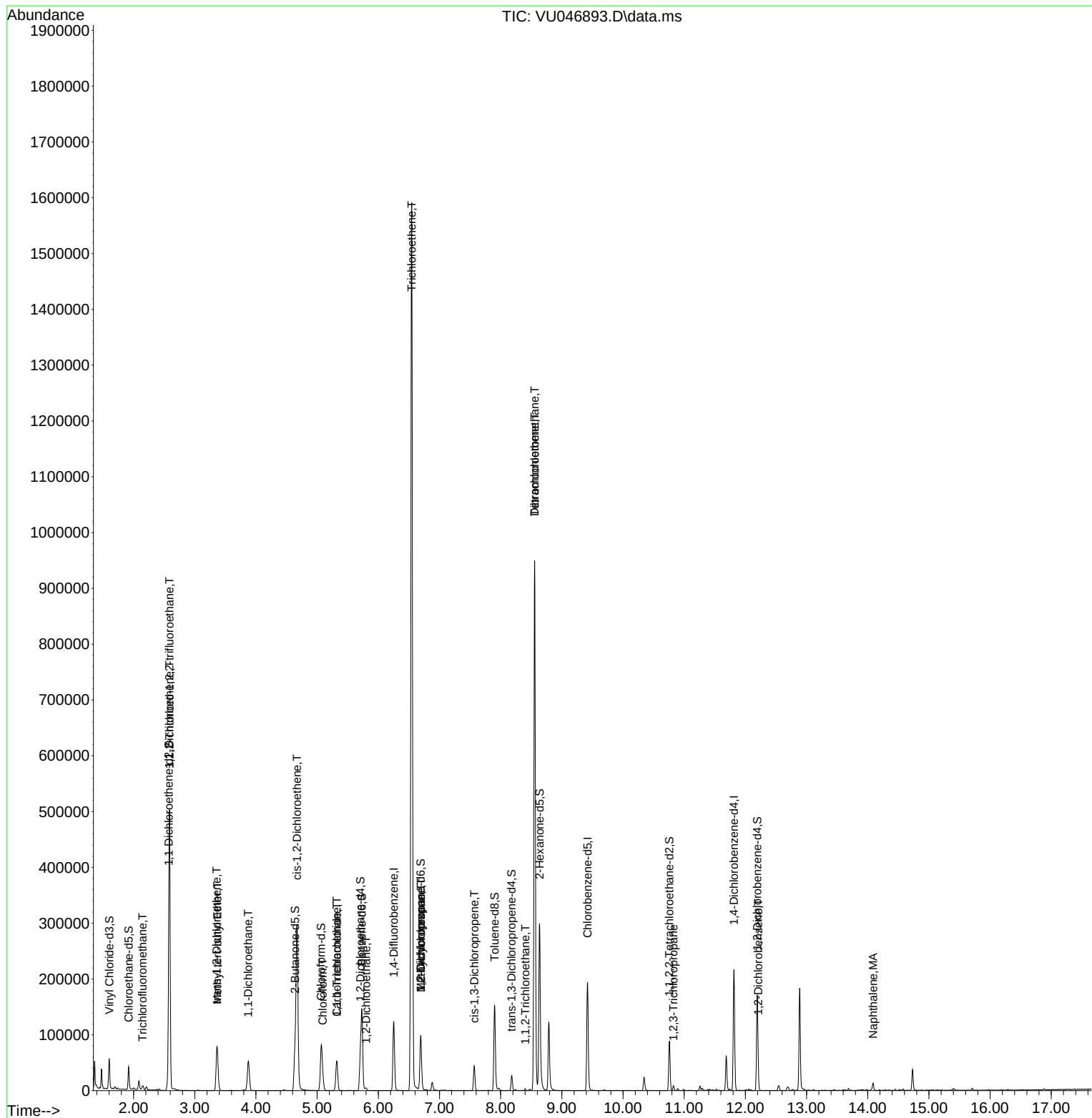
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) 1,2-Dichlorobenzene	12.211	146	2101	0.163	ug/L	# 84
71) Naphthalene	14.089	128	11054	0.620	ug/L	97

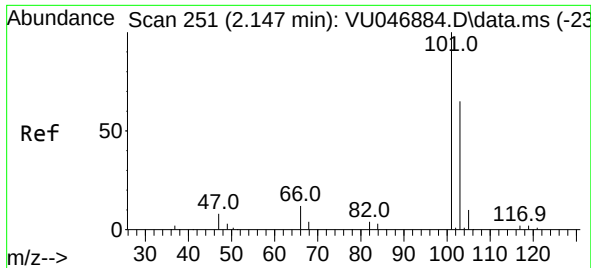
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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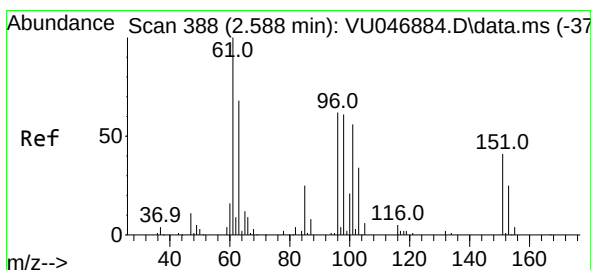
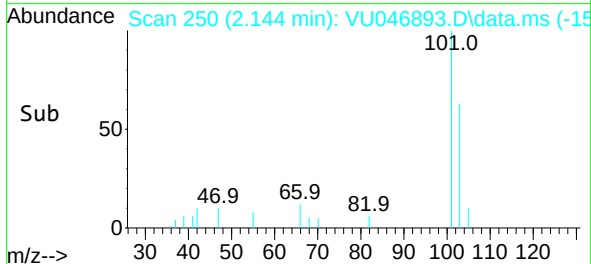
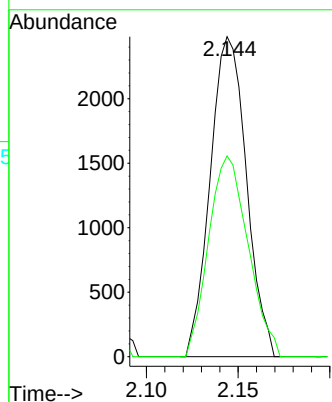
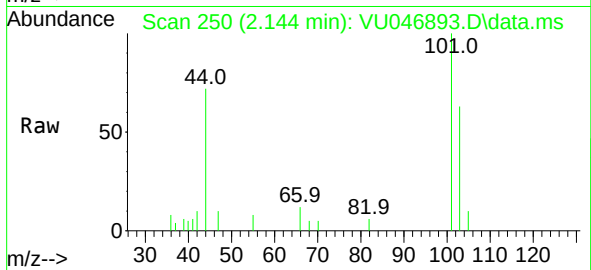




#9
 Trichlorofluoromethane
 Concen: 0.341 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU046893.D
 Acq: 28 Jan 2022 15:20

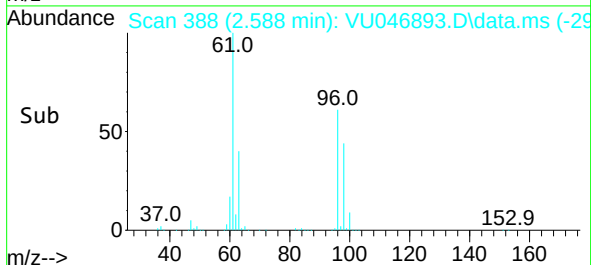
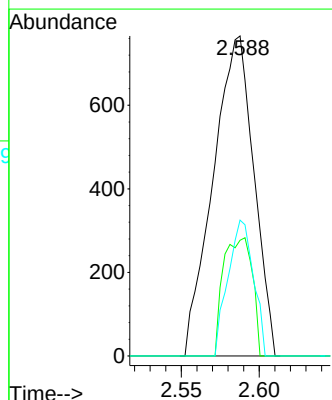
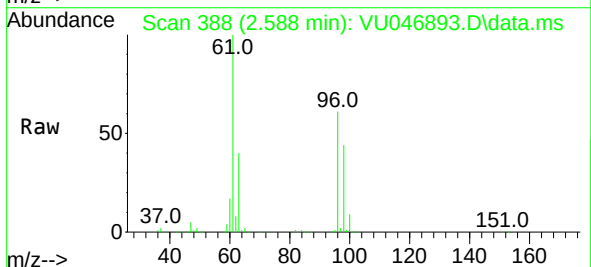
Instrument :
 MSVOA_U
 ClientSampleId :
 BFX4

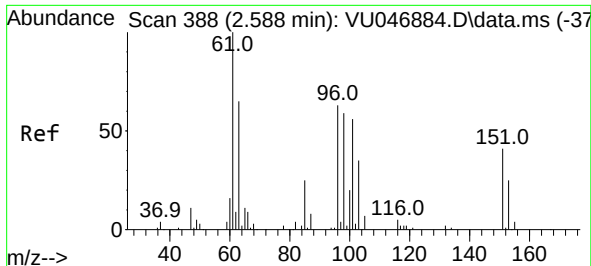
Tgt Ion:101 Resp: 3408
 Ion Ratio Lower Upper
 101 100
 103 68.3 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.234 ug/L
 RT: 2.588 min Scan# 388
 Delta R.T. 0.000 min
 Lab File: VU046893.D
 Acq: 28 Jan 2022 15:20

Tgt Ion:101 Resp: 1392
 Ion Ratio Lower Upper
 101 100
 85 26.1 34.6 51.8#
 151 26.4 56.1 84.1#

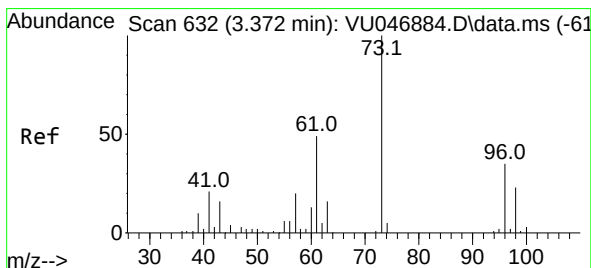
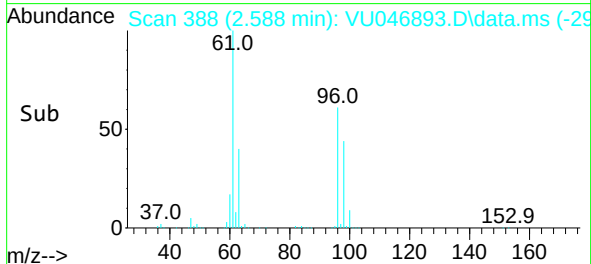
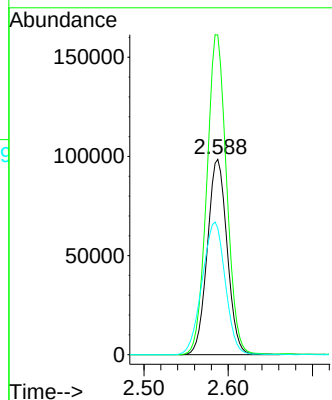
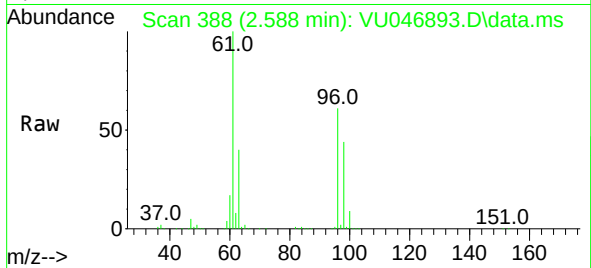




#12
1,1-Dichloroethene
Concen: 28.410 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

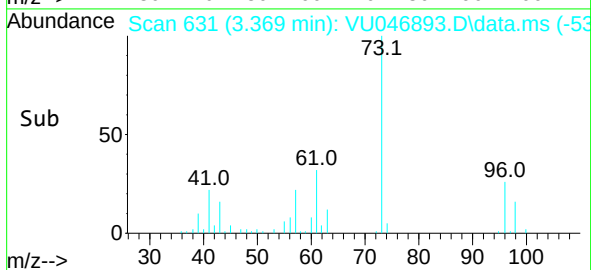
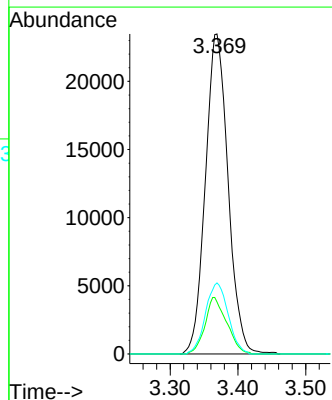
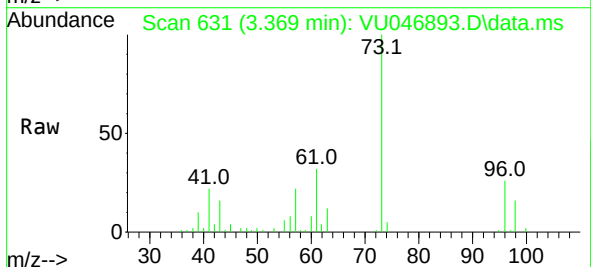
Instrument :
MSVOA_U
ClientSampleId :
BFX4

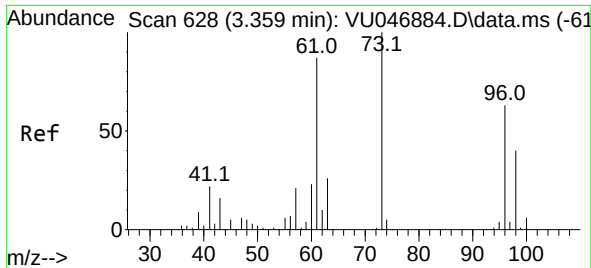
Tgt Ion: 96 Resp: 161432
Ion Ratio Lower Upper
96 100
61 163.6 124.7 231.5
63 64.8 105.2 195.4#



#17
Methyl tert-butyl Ether
Concen: 3.422 ug/L
RT: 3.369 min Scan# 631
Delta R.T. -0.003 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion: 73 Resp: 54560
Ion Ratio Lower Upper
73 100
43 16.9 14.8 22.2
57 22.2 17.4 26.0

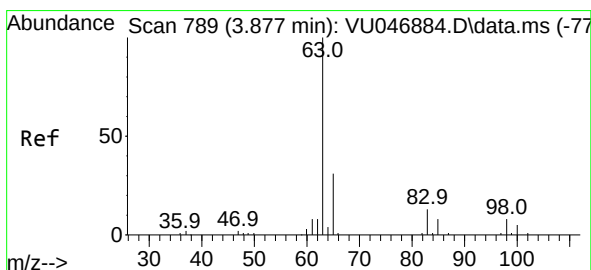
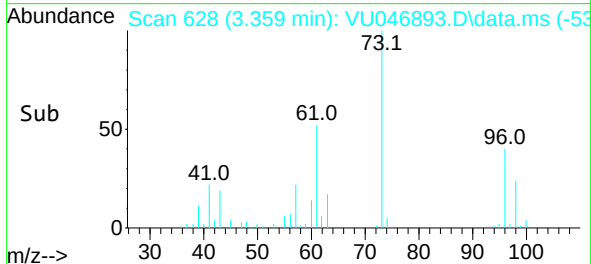
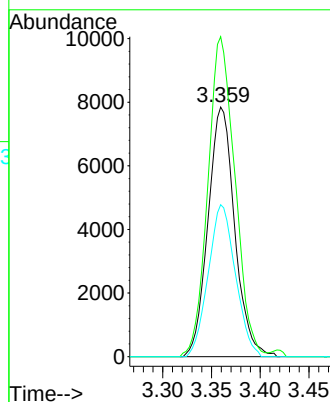
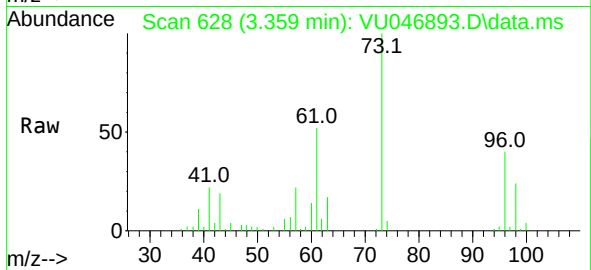




#18
trans-1,2-Dichloroethene
Concen: 2.429 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

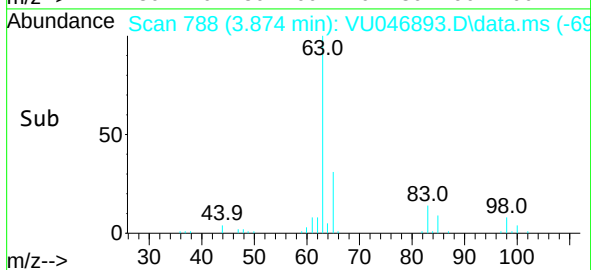
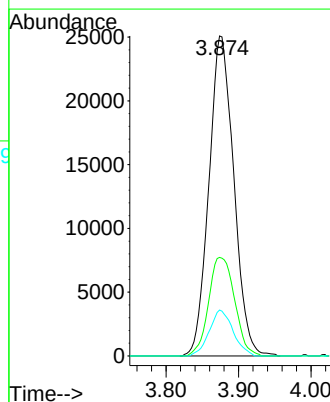
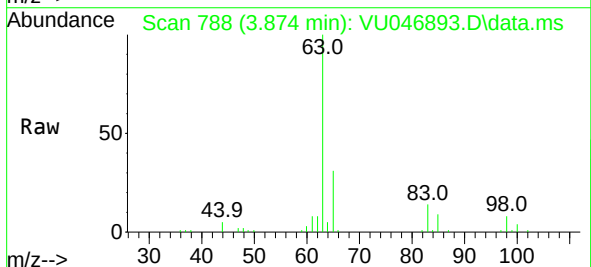
Instrument :
MSVOA_U
ClientSampleId :
BFX4

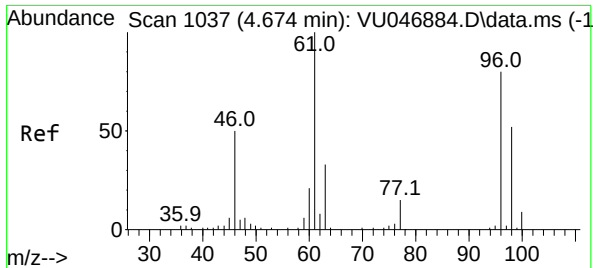
Tgt Ion: 96 Resp: 14949
Ion Ratio Lower Upper
96 100
61 128.2 100.8 187.2
98 60.9 45.1 83.7



#19
1,1-Dichloroethane
Concen: 5.788 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion: 63 Resp: 59804
Ion Ratio Lower Upper
63 100
65 30.8 22.3 41.5
83 14.3 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 22.512 ug/L

RT: 4.671 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU046893.D

Acq: 28 Jan 2022 15:20

Instrument :

MSVOA_U

ClientSampleId :

BFX4

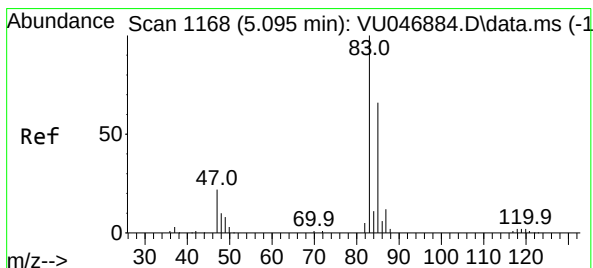
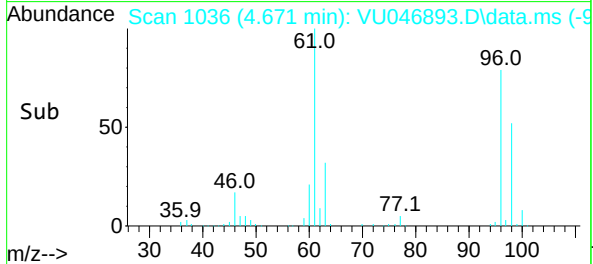
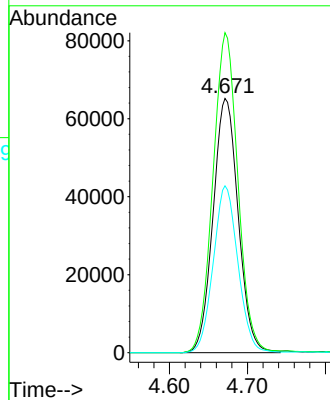
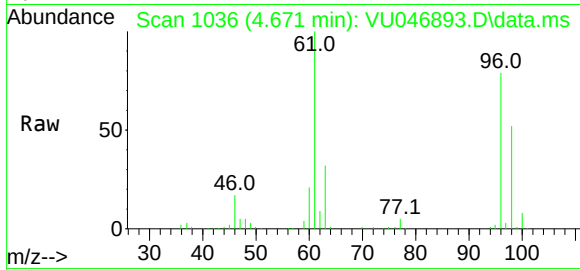
Tgt Ion: 96 Resp: 146154

Ion Ratio Lower Upper

96 100

61 125.8 88.5 164.3

98 65.6 44.4 82.5



#25

Chloroform

Concen: 1.006 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VU046893.D

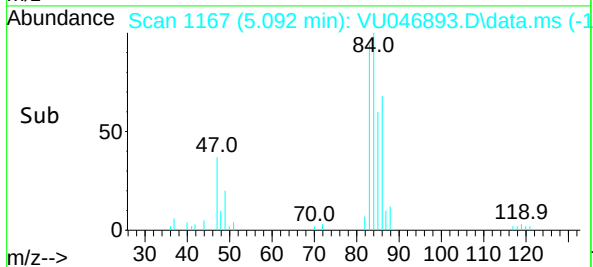
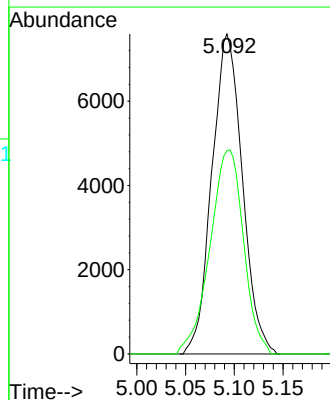
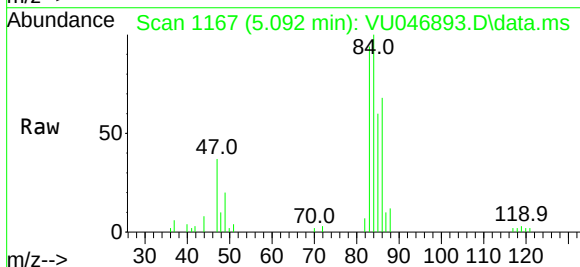
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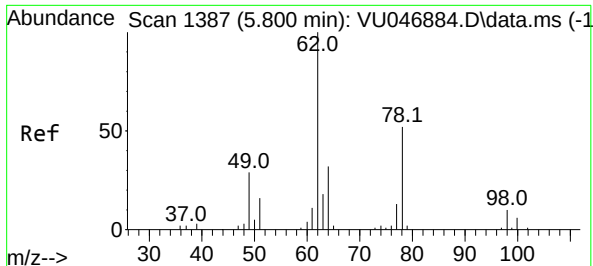
Tgt Ion: 83 Resp: 16491

Ion Ratio Lower Upper

83 100

85 63.6 46.9 87.1

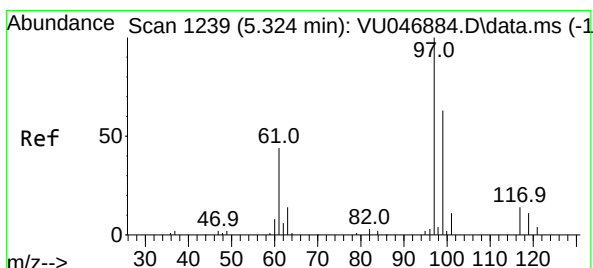
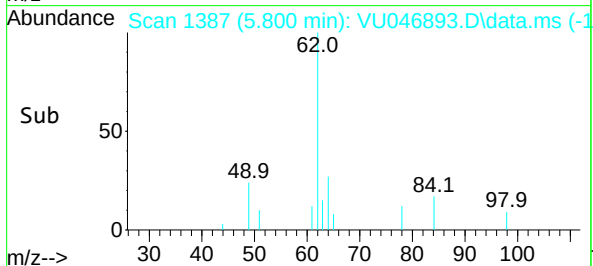
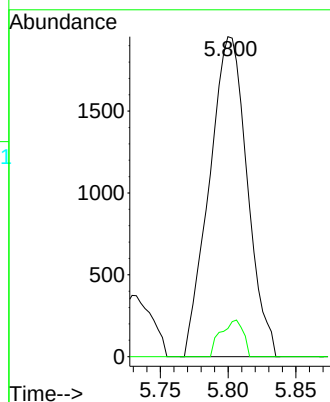
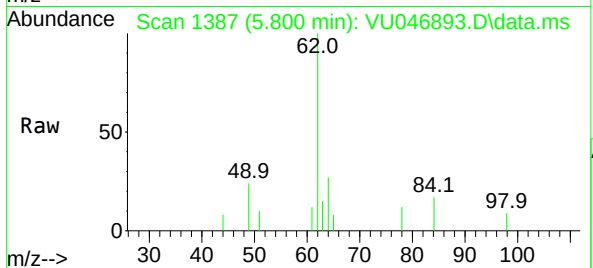




#27
1,2-Dichloroethane
Concen: 0.525 ug/L
RT: 5.800 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

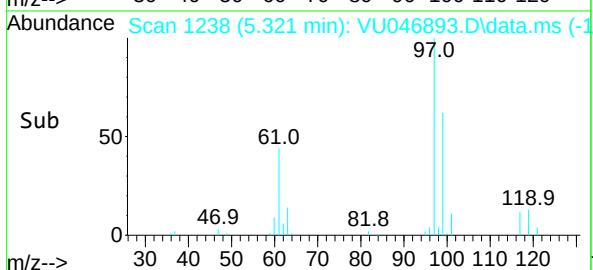
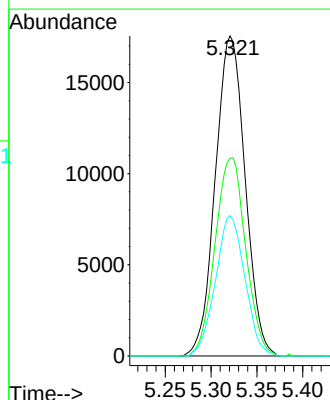
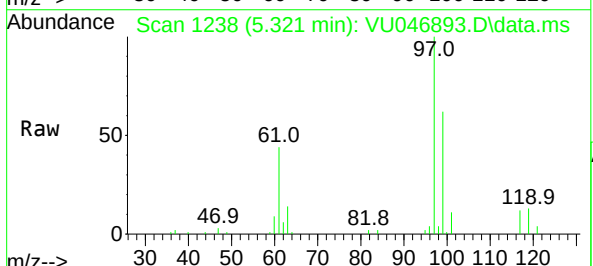
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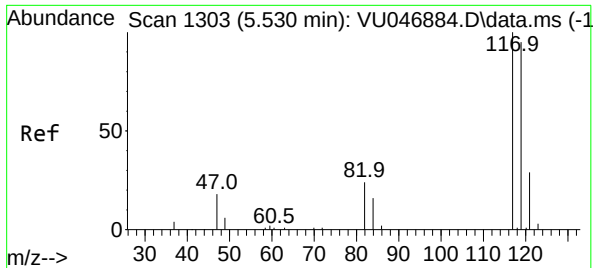
Tgt Ion: 62 Resp: 3800
Ion Ratio Lower Upper
62 100
98 8.8 7.8 11.8



#29
1,1,1-Trichloroethane
Concen: 3.970 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.003 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion: 97 Resp: 39736
Ion Ratio Lower Upper
97 100
99 63.5 51.3 76.9
61 43.2 36.1 54.1

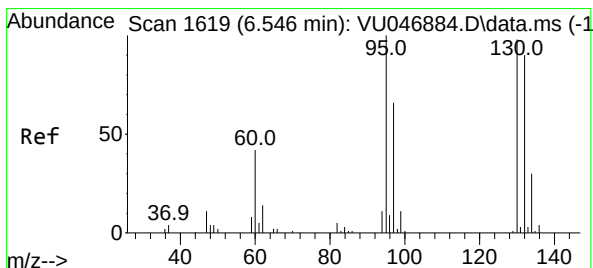
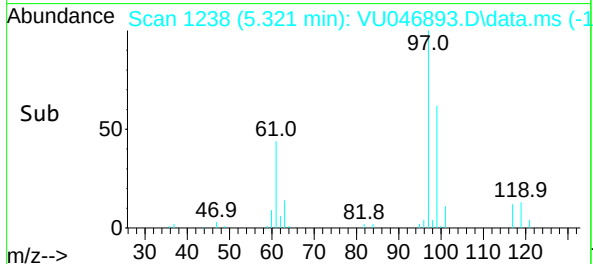
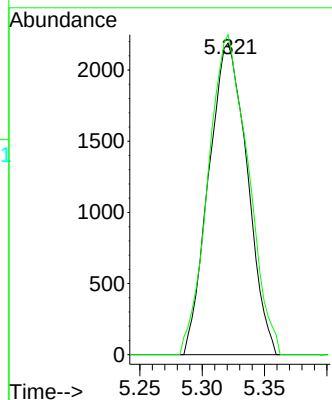
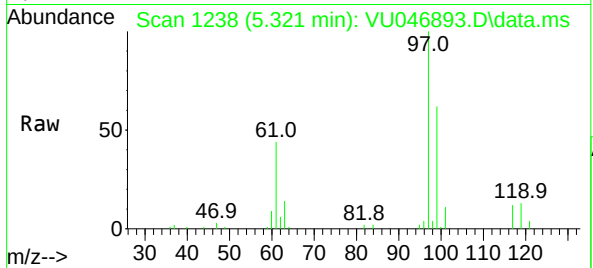




#31
Carbon tetrachloride
Concen: 0.546 ug/L
RT: 5.321 min Scan# 117
Delta R.T. -0.209 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

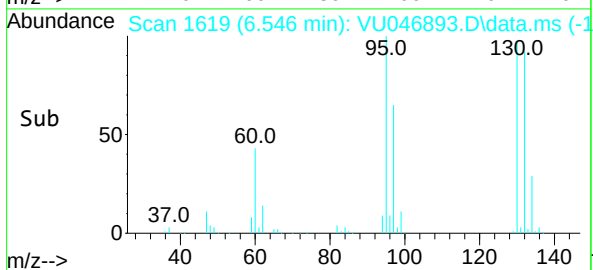
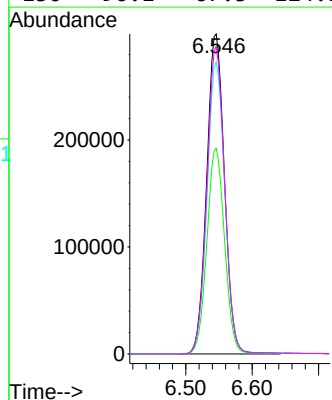
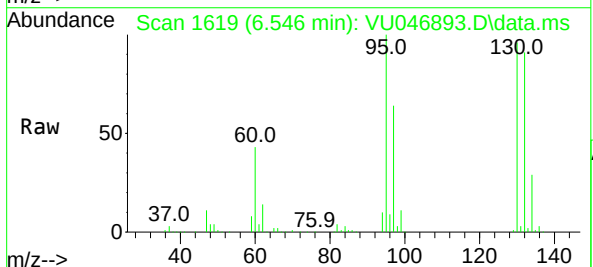
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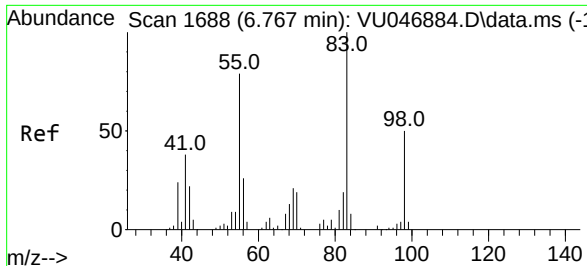
Tgt Ion:117 Resp: 4691
Ion Ratio Lower Upper
117 100
119 106.7 77.5 116.3



#34
Trichloroethene
Concen: 82.145 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion: 95 Resp: 557975
Ion Ratio Lower Upper
95 100
97 64.2 46.5 86.5
132 91.2 65.1 120.9
130 96.1 67.3 124.9

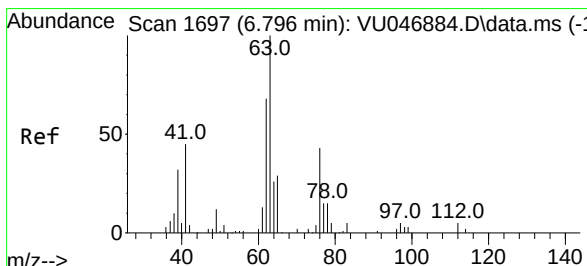
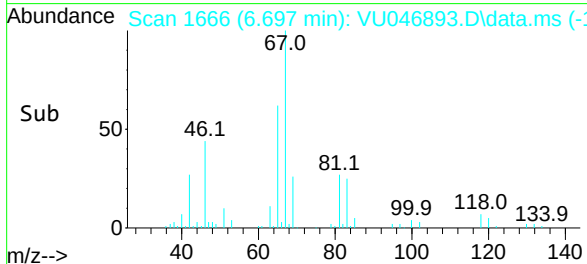
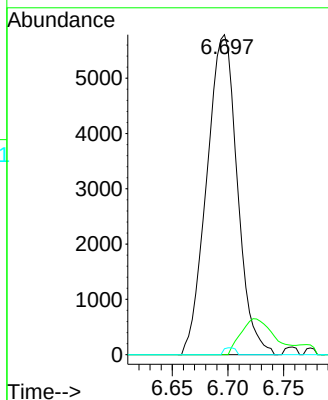
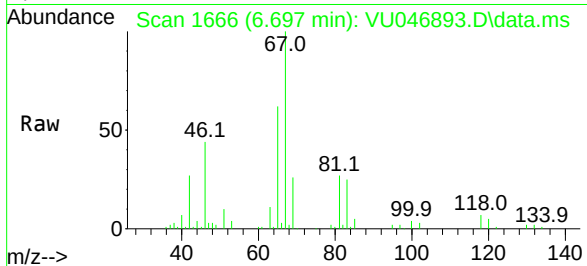




#35
Methylcyclohexane
Concen: 0.972 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.071 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

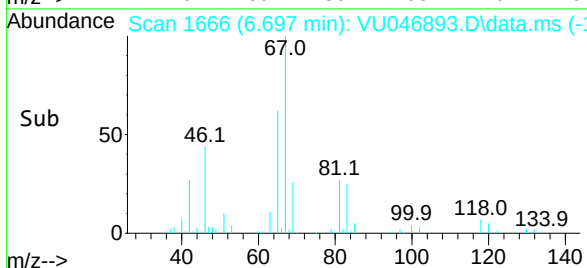
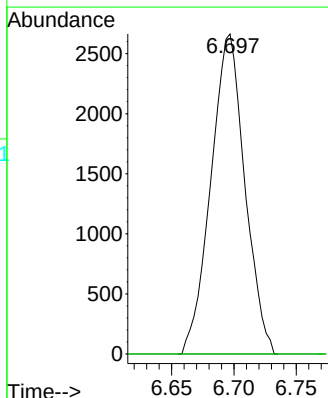
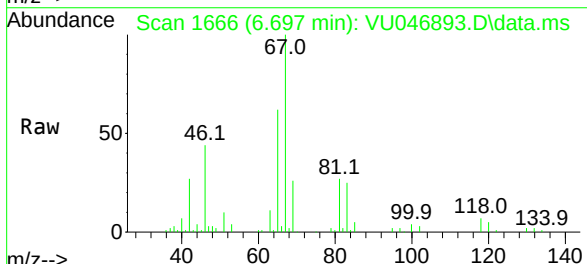
Instrument :
MSVOA_U
ClientSampleId :
BFX4

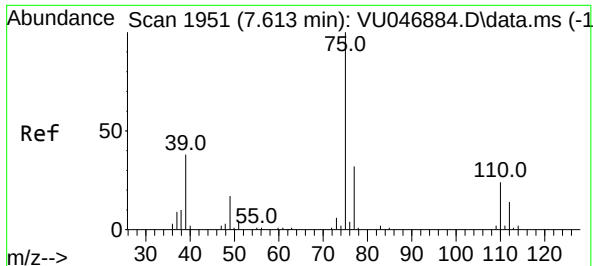
Tgt Ion: 83 Resp: 11060
Ion Ratio Lower Upper
83 100
55 12.4 61.9 92.9#
98 0.0 39.0 58.6#



#37
1,2-Dichloropropane
Concen: 0.788 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.100 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion: 63 Resp: 5055
Ion Ratio Lower Upper
63 100
112 0.0 3.2 4.8#

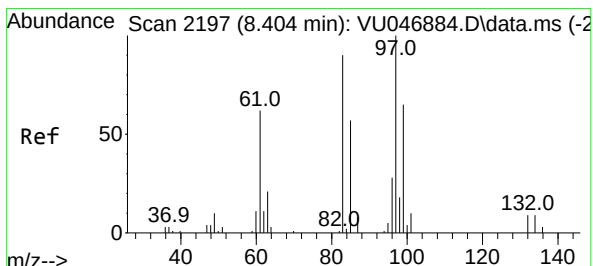
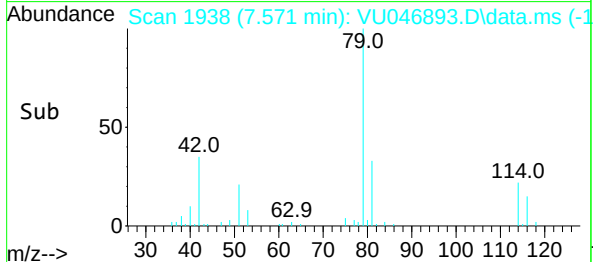
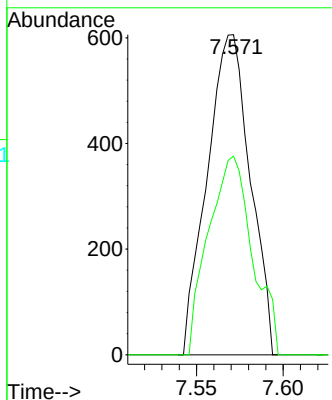
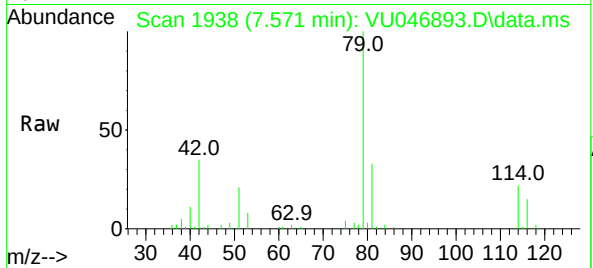




#39
cis-1,3-Dichloropropene
Concen: 0.105 ug/L
RT: 7.571 min Scan# 1938
Delta R.T. -0.042 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

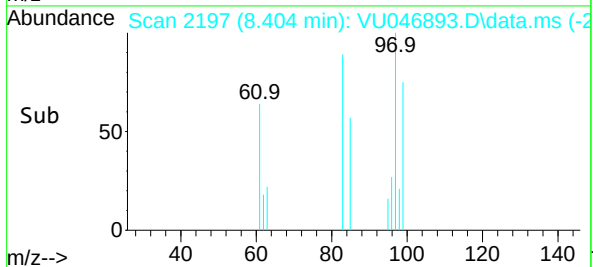
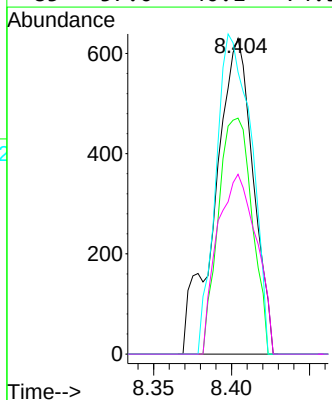
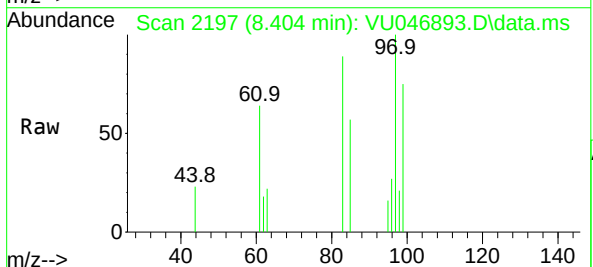
Instrument :
MSVOA_U
ClientSampleId :
BFX4

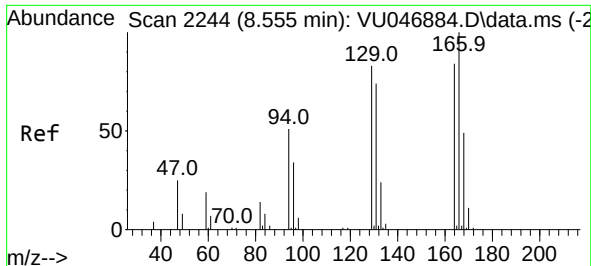
Tgt Ion: 75 Resp: 1048
Ion Ratio Lower Upper
75 100
77 62.0 22.5 41.9#



#45
1,1,2-Trichloroethane
Concen: 0.196 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion: 97 Resp: 1069
Ion Ratio Lower Upper
97 100
99 74.8 42.3 78.5
83 89.4 62.0 115.2
85 57.0 40.1 74.5

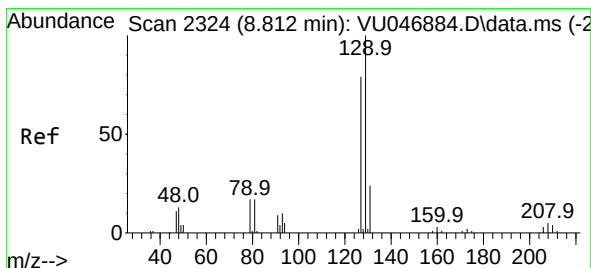
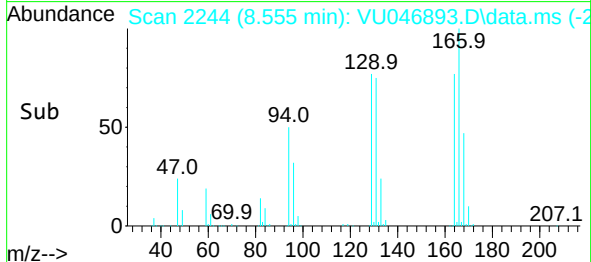
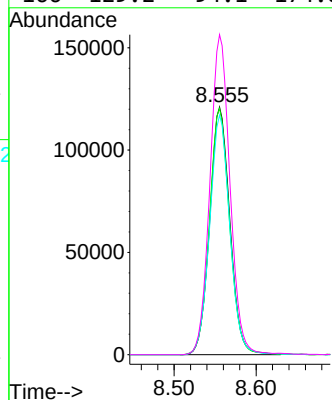
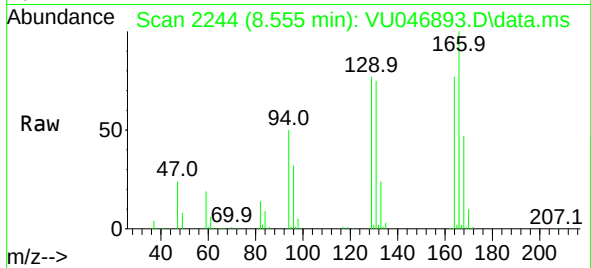




#47
Tetrachloroethene
Concen: 37.510 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

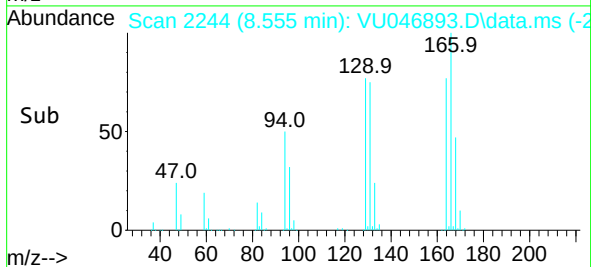
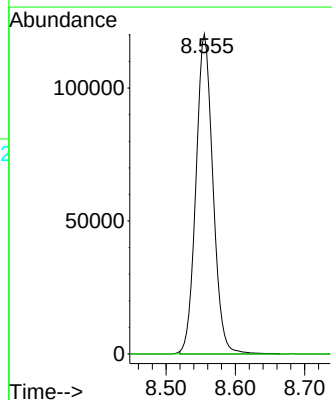
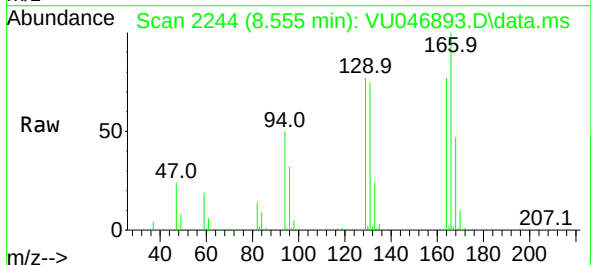
Instrument :
MSVOA_U
ClientSampleId :
BFX4

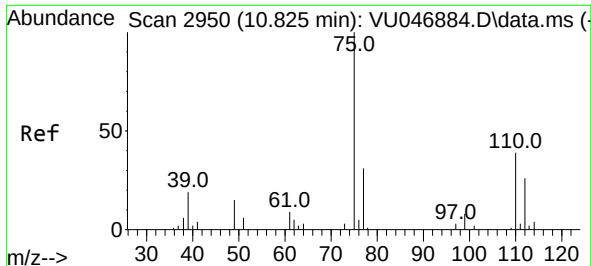
Tgt Ion:164 Resp: 207223
Ion Ratio Lower Upper
164 100
129 99.4 71.8 133.4
131 96.7 68.5 127.3
166 129.2 94.1 174.8



#49
Dibromochloromethane
Concen: 31.943 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Tgt Ion:129 Resp: 205736
Ion Ratio Lower Upper
129 100
127 0.0 55.4 102.8#

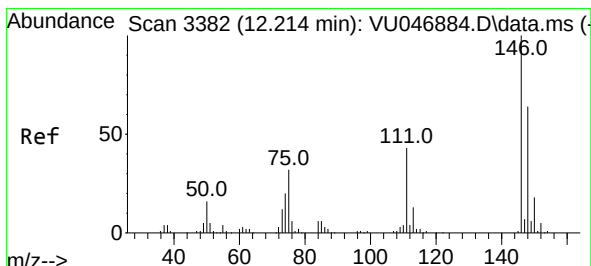
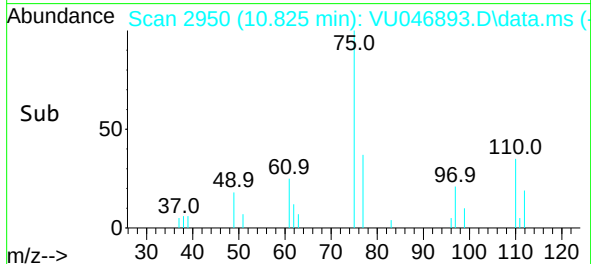
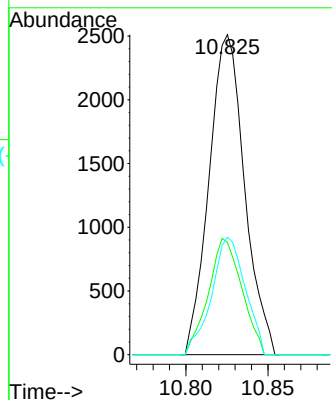
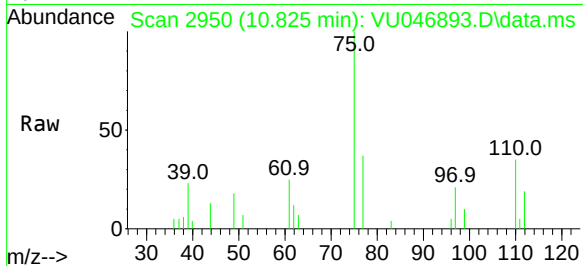




#61
1,2,3-Trichloropropane
Concen: 0.780 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

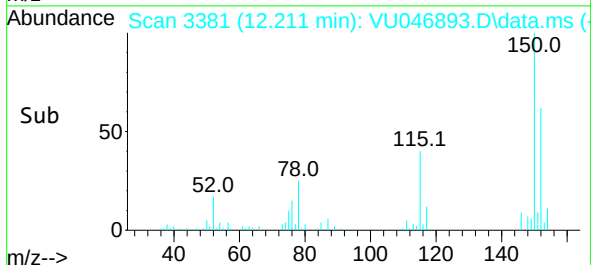
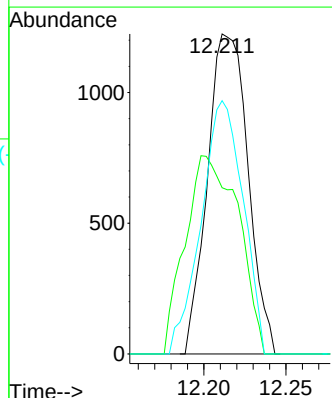
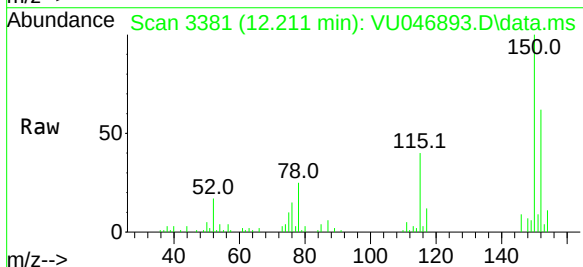
Instrument :
MSVOA_U
ClientSampleId :
BFX4

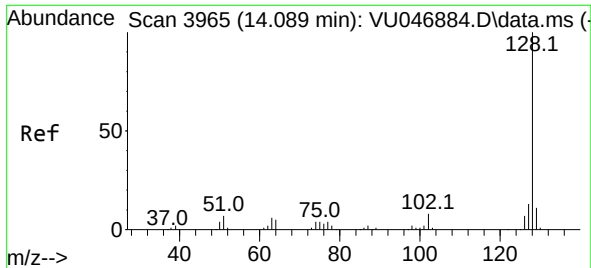
Tgt Ion: 75	Resp:	3771
Ion Ratio	Lower	Upper
75	100	
110	34.3	29.9 44.9
77	34.9	25.5 38.3



#67
1,2-Dichlorobenzene
Concen: 0.163 ug/L
RT: 12.211 min Scan# 3381
Delta R.T. -0.003 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

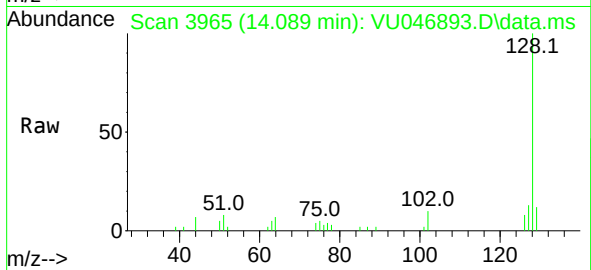
Tgt Ion: 146	Resp:	2101
Ion Ratio	Lower	Upper
146	100	
111	52.0	35.4 53.0
148	79.2	51.1 76.7#





#71
Naphthalene
Concen: 0.620 ug/L
RT: 14.089 min Scan# 3965
Delta R.T. 0.000 min
Lab File: VU046893.D
Acq: 28 Jan 2022 15:20

Instrument :
MSVOA_U
ClientSampleId :
BFX4



Tgt Ion:128 Resp: 11054
Ion Ratio Lower Upper
128 100
129 12.1 8.4 12.6
127 13.7 10.2 15.2

