

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045816.D
 Acq On : 16 Nov 2021 18:50
 Operator : SY/MD
 Sample : M4686-11
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG1Z9

Quant Time: Nov 17 04:52:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111521WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 04:49:52 2021
 Response via : Initial Calibration

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

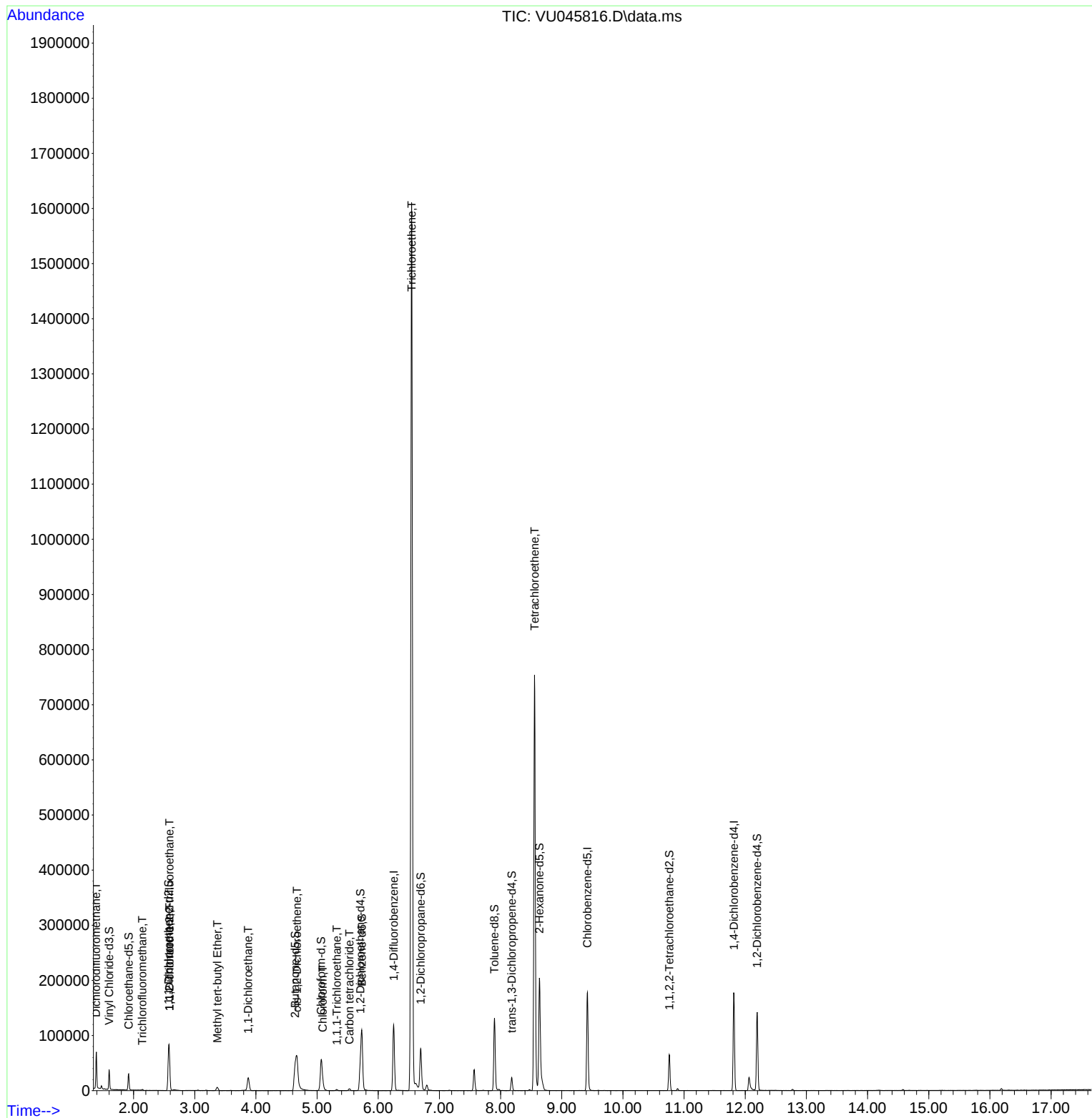
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	95564	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	98983	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	46343	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	24391	3.221	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.919	69	21326	3.869	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.400%
11) 1,1-Dichloroethene-d2	2.571	65	10802	3.402	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.000%
20) 2-Butanone-d5	4.642	46	101841	50.192	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.380%
24) Chloroform-d	5.067	84	50179	3.978	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.600%
26) 1,2-Dichloroethane-d4	5.706	65	31610	4.271	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.732	84	103409	3.794	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	75.800%
36) 1,2-Dichloropropane-d6	6.693	67	35833	4.171	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.400%
41) Toluene-d8	7.899	98	87941	3.566	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.400%
43) trans-1,3-Dichloroprop...	8.182	79	13763	3.946	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.000%
46) 2-Hexanone-d5	8.636	63	73388	46.753	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.500%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32188	4.435	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.600%
66) 1,2-Dichlorobenzene-d4	12.195	152	36600	4.600	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	12067	1.551	ug/L	99
9) Trichlorofluoromethane	2.141	101	1003	0.094	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.588	101	1981	0.316	ug/L #	87
12) 1,1-Dichloroethene	2.588	96	13769	2.328	ug/L	96
17) Methyl tert-butyl Ether	3.369	73	6454	0.419	ug/L	97
19) 1,1-Dichloroethane	3.874	63	27332	2.301	ug/L	95
22) cis-1,2-Dichloroethene	4.671	96	18659	2.714	ug/L	96
25) Chloroform	5.092	83	9864	0.765	ug/L	99
29) 1,1,1-Trichloroethane	5.324	97	1712	0.159	ug/L	98
31) Carbon tetrachloride	5.530	117	2516	0.278	ug/L	89
34) Trichloroethene	6.546	95	551071	77.413	ug/L	98
47) Tetrachloroethene	8.555	164	160459	32.199	ug/L	97

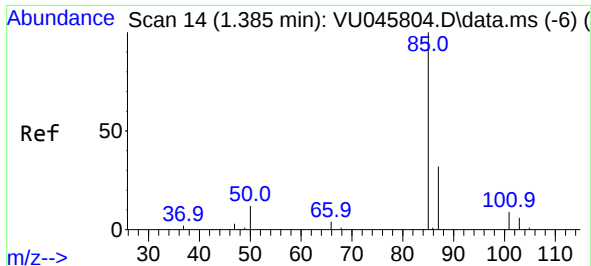
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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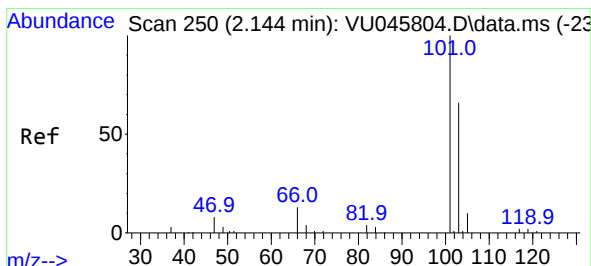
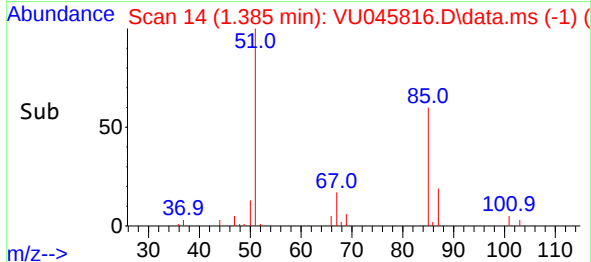
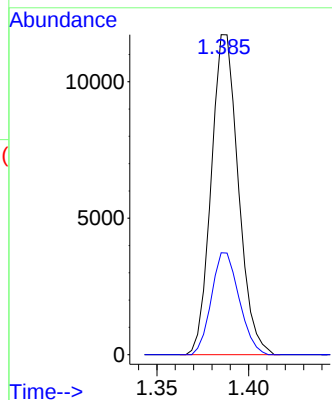
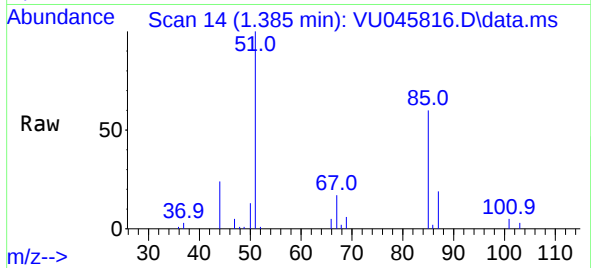




#2
Dichlorodifluoromethane
Concen: 1.551 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

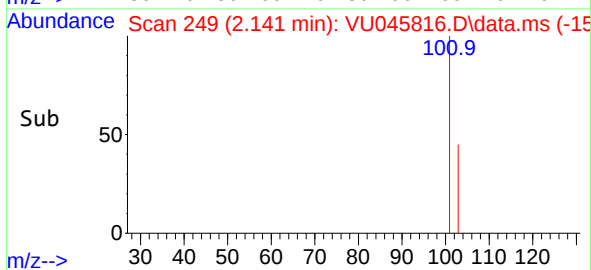
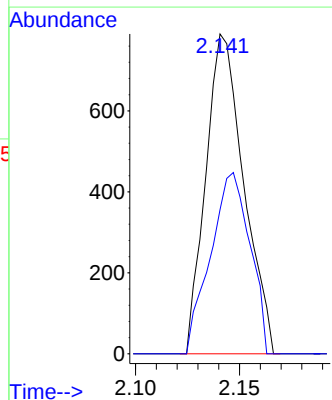
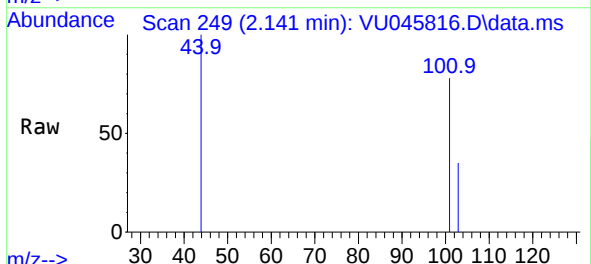
Instrument :
MSVOA_U
ClientSampleId :
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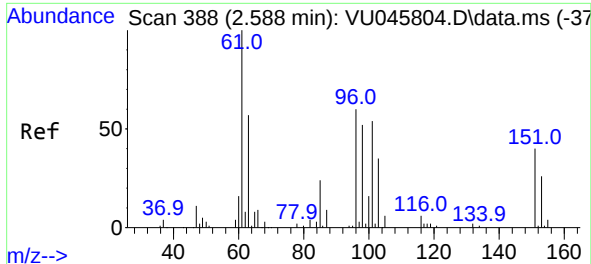
Tgt Ion: 85 Resp: 12067
Ion Ratio Lower Upper
85 100
87 32.6 25.8 38.6



#9
Trichlorofluoromethane
Concen: 0.094 ug/L
RT: 2.141 min Scan# 249
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion:101 Resp: 1003
Ion Ratio Lower Upper
101 100
103 58.8 51.5 77.3

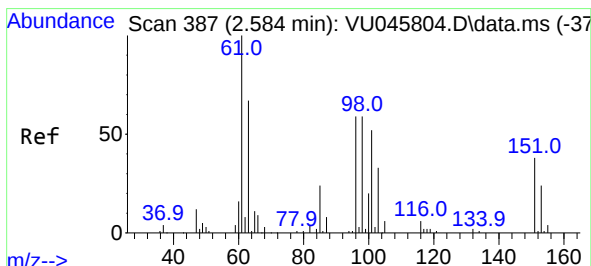
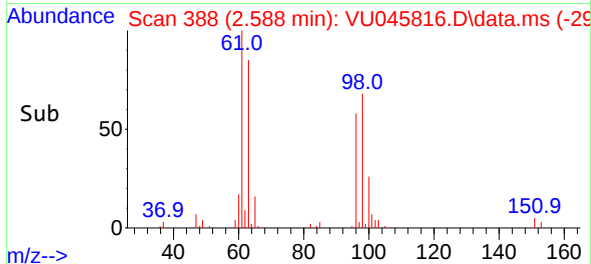
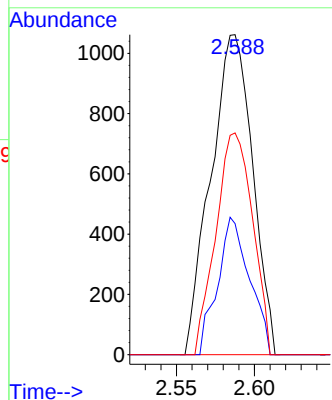
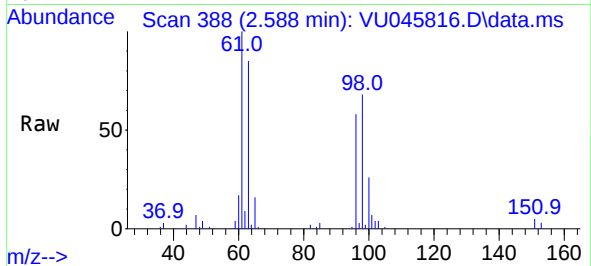




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.316 ug/L
RT: 2.588 min Scan# 388
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

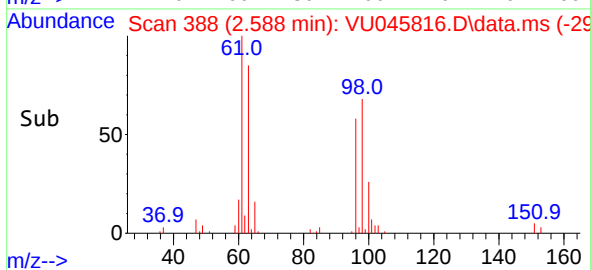
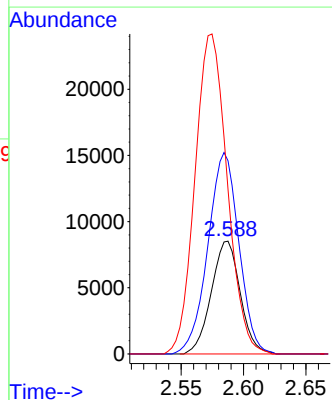
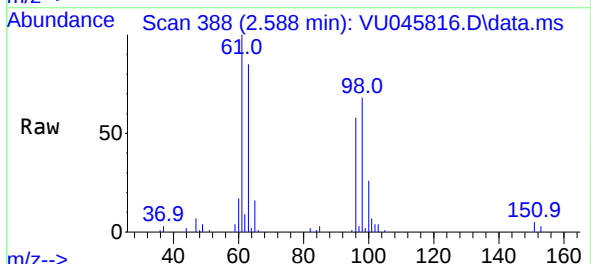
Instrument :
MSVOA_U
ClientSampleId :
BG1Z9

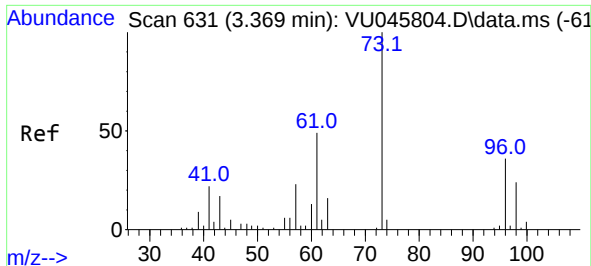
Tgt Ion:101 Resp: 1981
Ion Ratio Lower Upper
101 100
85 32.9 34.6 51.8#
151 60.9 56.1 84.1



#12
1,1-Dichloroethene
Concen: 2.328 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 96 Resp: 13769
Ion Ratio Lower Upper
96 100
61 171.2 124.7 231.5
63 145.6 105.2 195.4

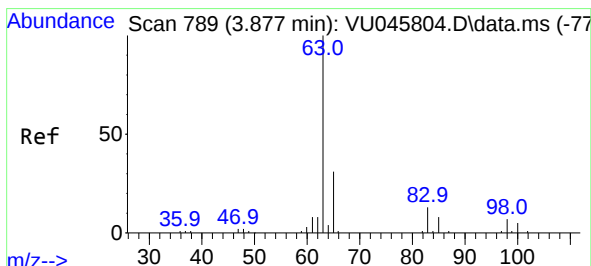
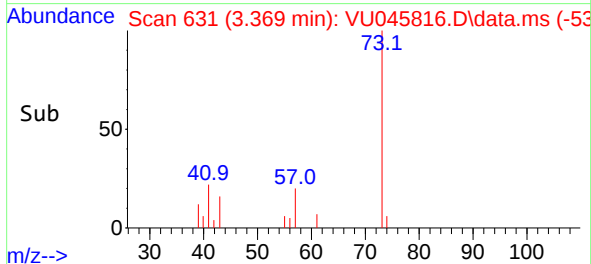
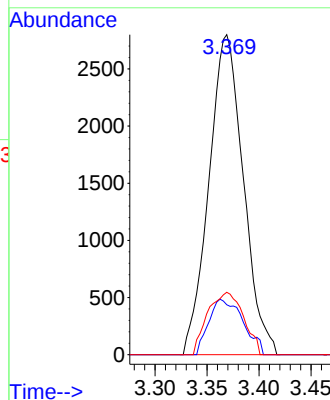
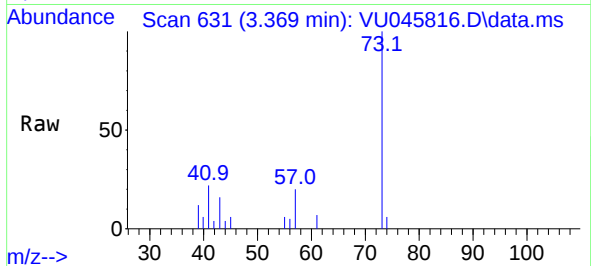




#17
Methyl tert-butyl Ether
Concen: 0.419 ug/L
RT: 3.369 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

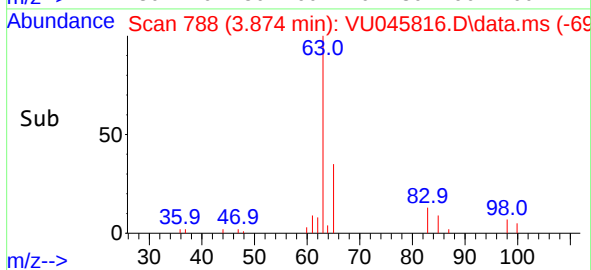
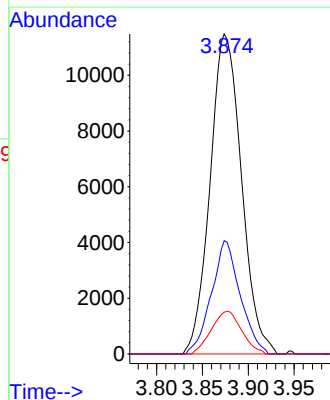
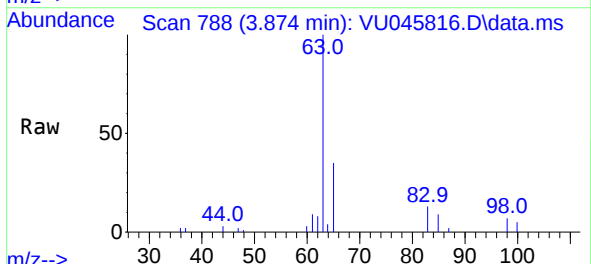
Instrument :
MSVOA_U
ClientSampleId :
BG1Z9

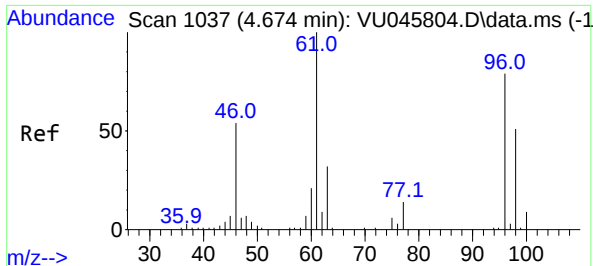
Tgt Ion: 73	Resp: 6454
Ion Ratio	Lower Upper
73 100	
43 17.3	14.8 22.2
57 20.3	17.4 26.0



#19
1,1-Dichloroethane
Concen: 2.301 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 63	Resp: 27332
Ion Ratio	Lower Upper
63 100	
65 35.4	22.3 41.5
83 13.1	9.6 17.8

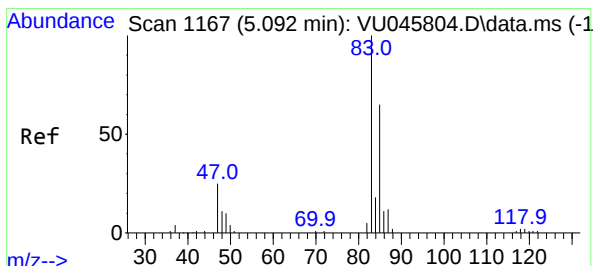
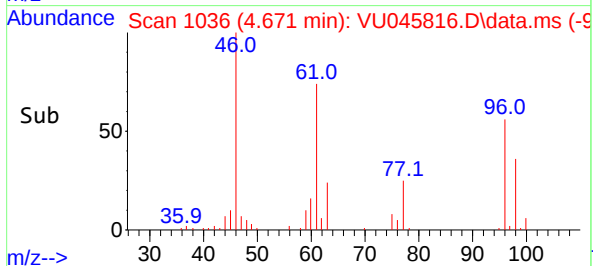
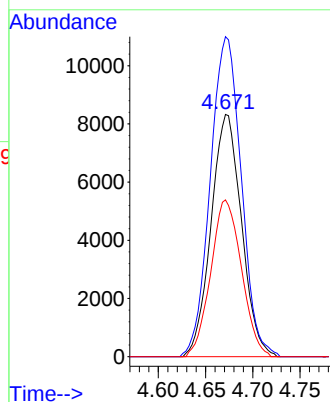
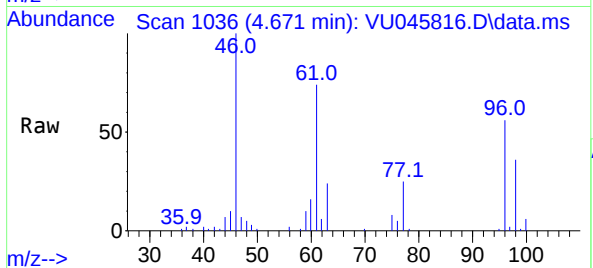




#22
cis-1,2-Dichloroethene
Concen: 2.714 ug/L
RT: 4.671 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

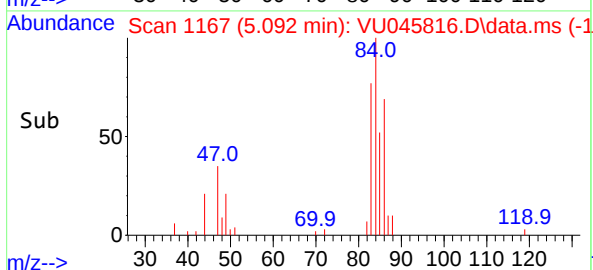
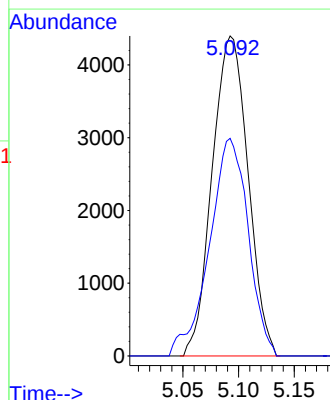
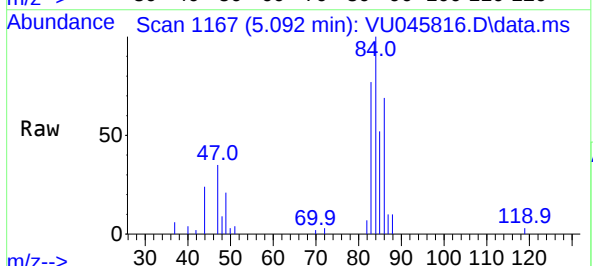
Instrument :
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ClientSampleId :
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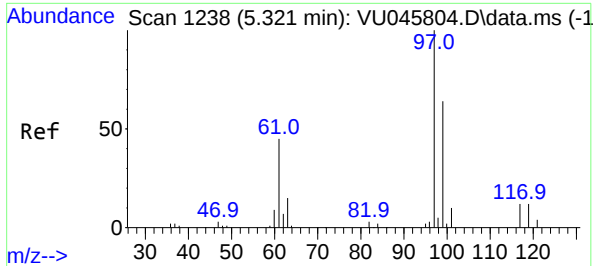
Tgt Ion: 96 Resp: 18659
Ion Ratio Lower Upper
96 100
61 132.1 88.5 164.3
98 64.7 44.4 82.5



#25
Chloroform
Concen: 0.765 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 83 Resp: 9864
Ion Ratio Lower Upper
83 100
85 68.0 46.9 87.1

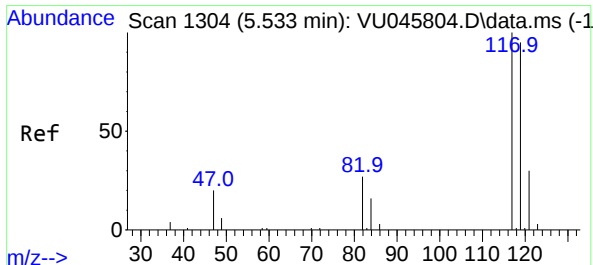
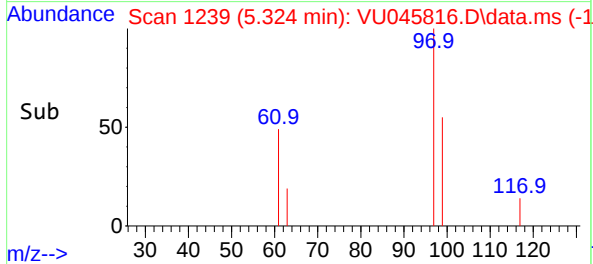
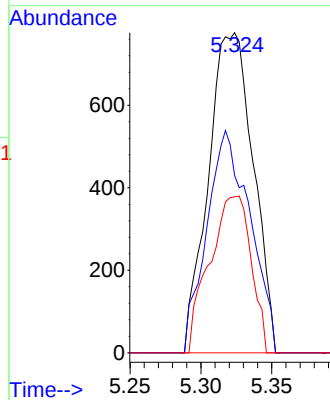
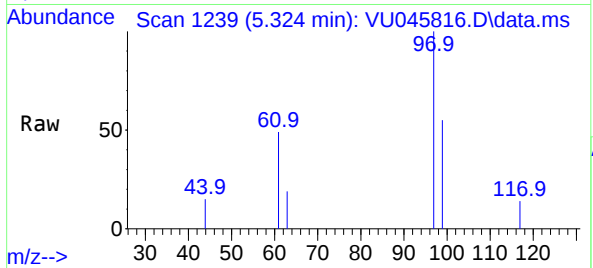




#29
1,1,1-Trichloroethane
Concen: 0.159 ug/L
RT: 5.324 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

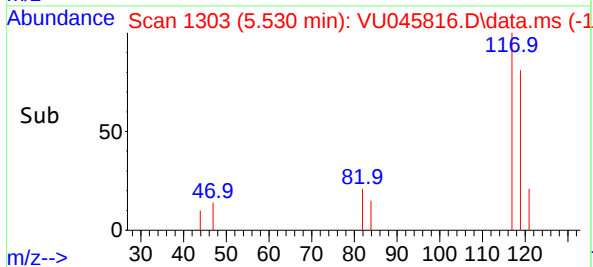
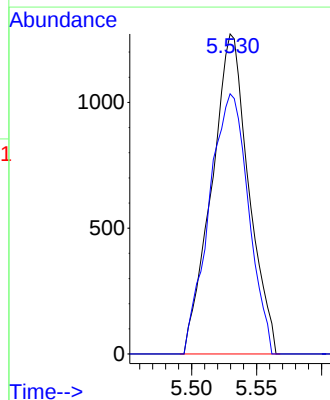
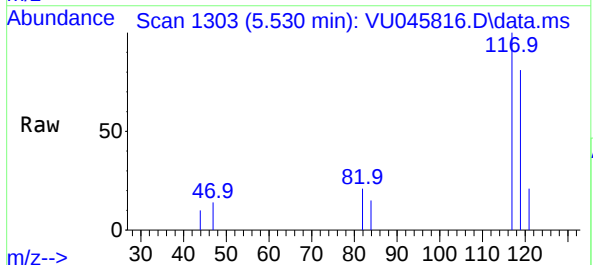
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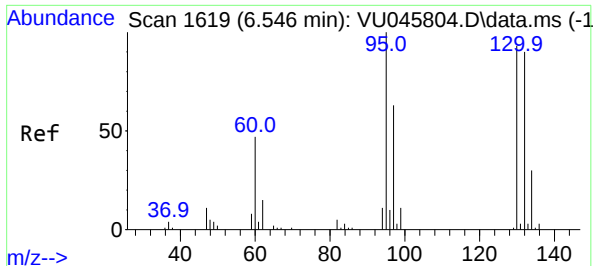
Tgt Ion: 97 Resp: 1712
Ion Ratio Lower Upper
97 100
99 66.9 51.3 76.9
61 45.3 36.1 54.1



#31
Carbon tetrachloride
Concen: 0.278 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. -0.003 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion: 117 Resp: 2516
Ion Ratio Lower Upper
117 100
119 86.5 77.5 116.3

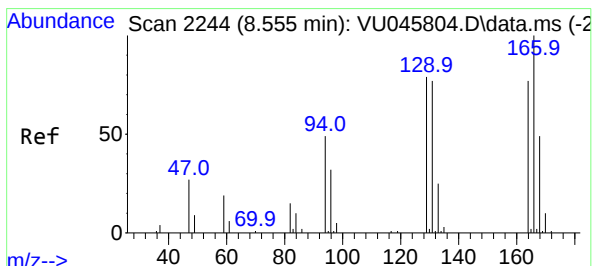
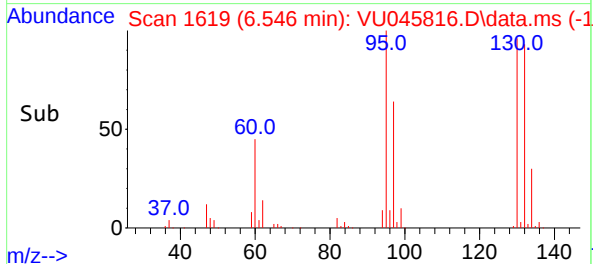
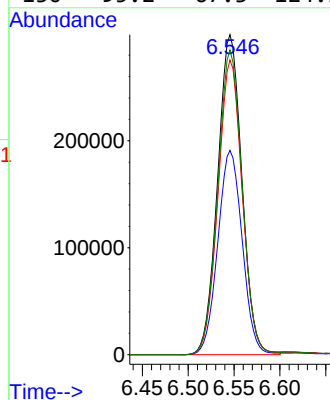
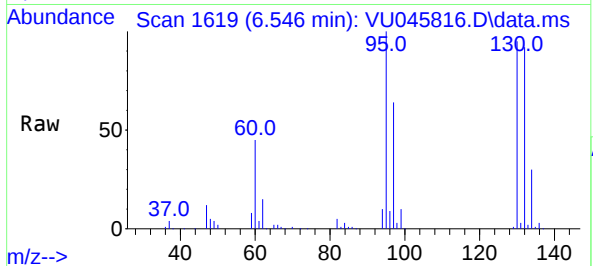




#34
Trichloroethene
Concen: 77.413 ug/L
RT: 6.546 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Instrument :
MSVOA_U
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Tgt Ion: 95 Resp: 551071
Ion Ratio Lower Upper
95 100
97 63.9 46.5 86.5
132 92.1 65.1 120.9
130 95.2 67.3 124.9



#47
Tetrachloroethene
Concen: 32.199 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU045816.D
Acq: 16 Nov 2021 18:50

Tgt Ion:164 Resp: 160459
Ion Ratio Lower Upper
164 100
129 99.8 71.8 133.4
131 98.0 68.5 127.3
166 129.2 94.1 174.8

