

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111621\
 Data File : VU045817.D
 Acq On : 16 Nov 2021 19:14
 Operator : SY/MD
 Sample : M4686-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BG200

Quant Time: Nov 17 06:08:56 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)

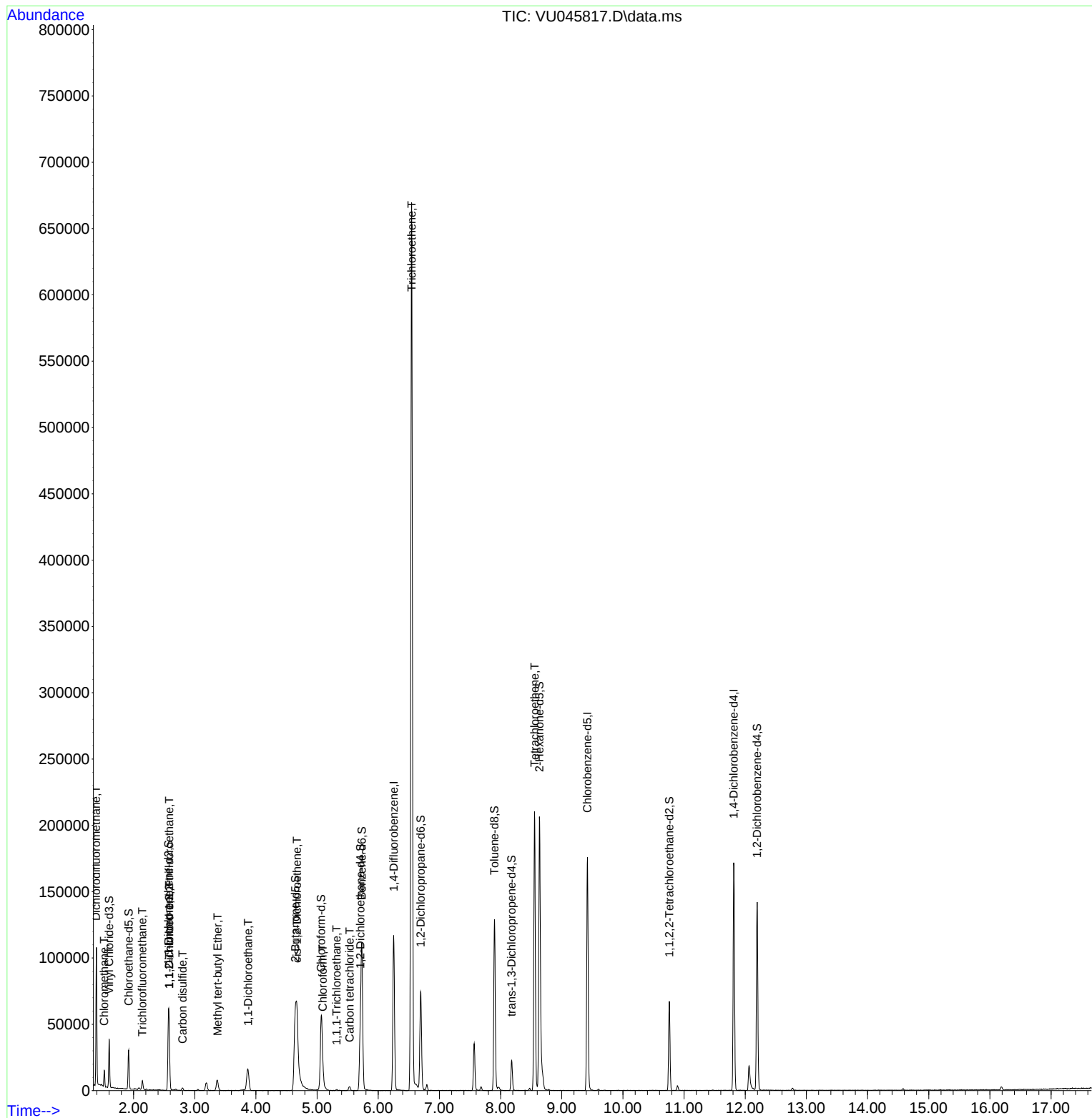
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	93713	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	97500	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	45180	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	23762	3.200	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.000%
7) Chloroethane-d5	1.919	69	21024	3.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.800%
11) 1,1-Dichloroethene-d2	2.571	65	10770	3.458	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.200%
20) 2-Butanone-d5	4.645	46	108017	54.287	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.580%
24) Chloroform-d	5.066	84	49514	4.003	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.000%
26) 1,2-Dichloroethane-d4	5.706	65	32052	4.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.732	84	103907	3.870	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.400%
36) 1,2-Dichloropropane-d6	6.693	67	35079	4.145	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.000%
41) Toluene-d8	7.899	98	87049	3.584	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	71.600%
43) trans-1,3-Dichloroprop...	8.179	79	13482	3.925	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.400%
46) 2-Hexanone-d5	8.635	63	74785	48.368	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.740%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	32897	4.602	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.000%
66) 1,2-Dichlorobenzene-d4	12.195	152	36394	4.691	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	5829	0.764	ug/L	98
3) Chloromethane	1.520	50	8775	1.085	ug/L	96
9) Trichlorofluoromethane	2.144	101	4596	0.439	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	1112	0.181	ug/L #	70
12) 1,1-Dichloroethene	2.584	96	3608	0.622	ug/L #	1
14) Carbon disulfide	2.800	76	2733	0.149	ug/L	98
17) Methyl tert-butyl Ether	3.372	73	8596	0.569	ug/L	98
19) 1,1-Dichloroethane	3.874	63	10538	0.905	ug/L	99
22) cis-1,2-Dichloroethene	4.671	96	12846	1.905	ug/L	96
25) Chloroform	5.092	83	9729	0.770	ug/L	100
29) 1,1,1-Trichloroethane	5.317	97	602	0.057	ug/L	91
31) Carbon tetrachloride	5.533	117	2059	0.231	ug/L	98
34) Trichloroethene	6.545	95	229515	32.732	ug/L	99
47) Tetrachloroethene	8.555	164	45664	9.303	ug/L	95

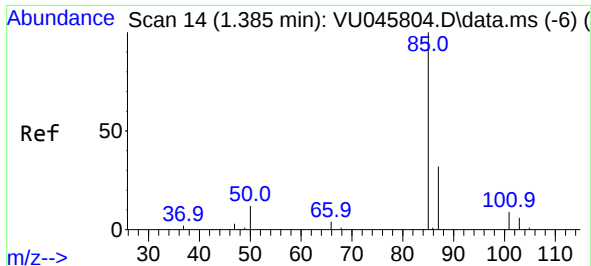
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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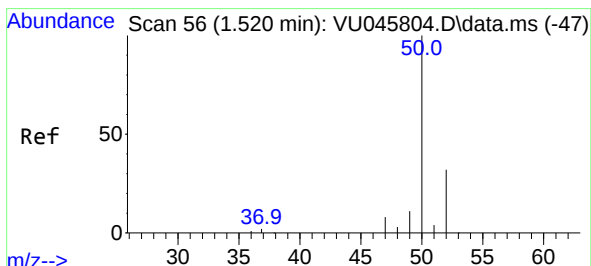
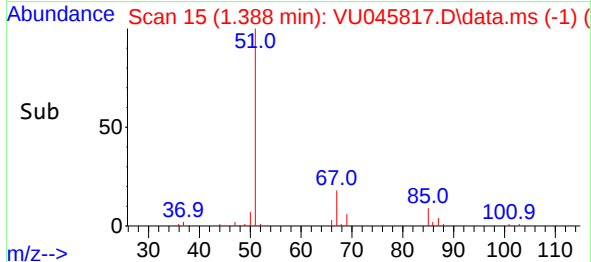
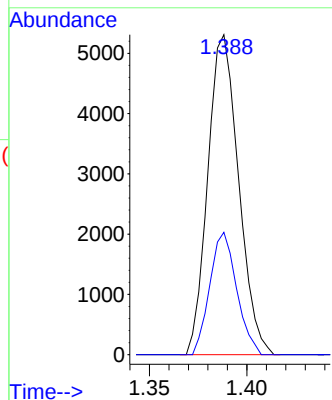
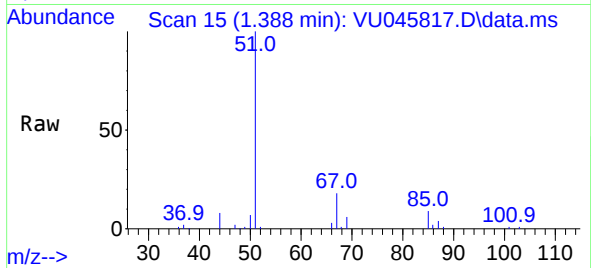




#2
Dichlorodifluoromethane
Concen: 0.764 ug/L
RT: 1.388 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

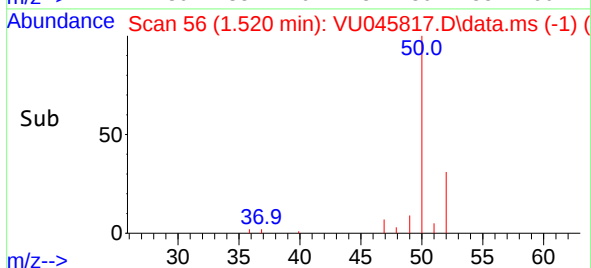
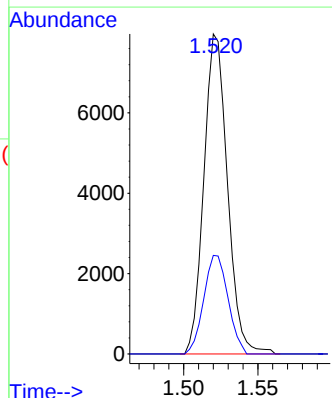
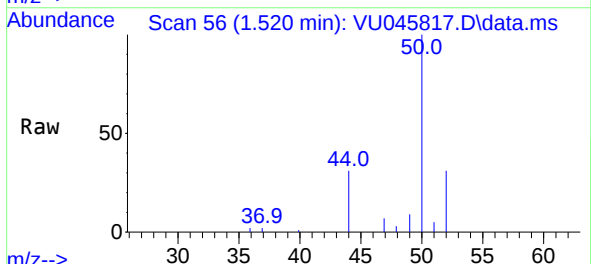
Instrument :
MSVOA_U
ClientSampleId :
BG200

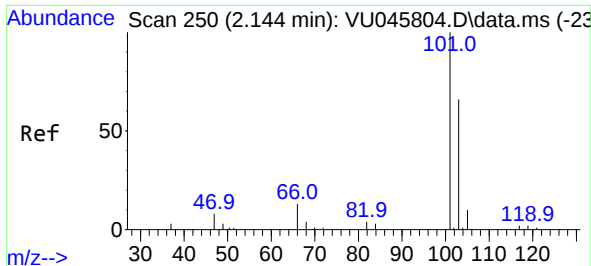
Tgt Ion: 85 Resp: 5829
Ion Ratio Lower Upper
85 100
87 33.4 25.8 38.6



#3
Chloromethane
Concen: 1.085 ug/L
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Tgt Ion: 50 Resp: 8775
Ion Ratio Lower Upper
50 100
52 30.8 23.0 42.8

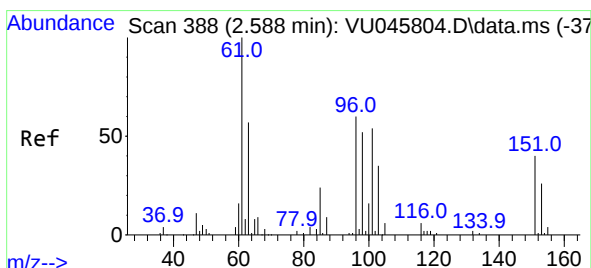
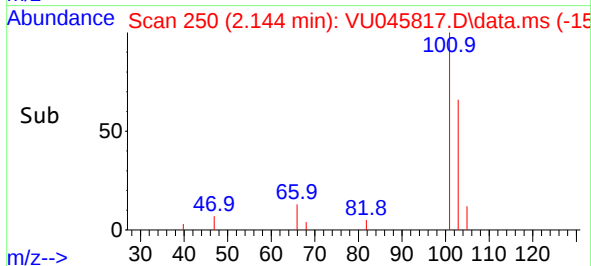
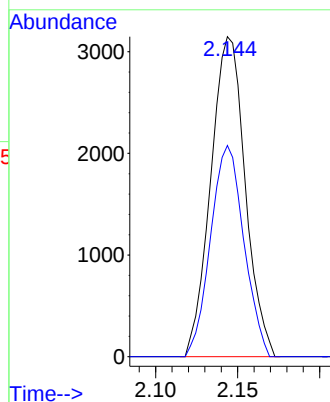
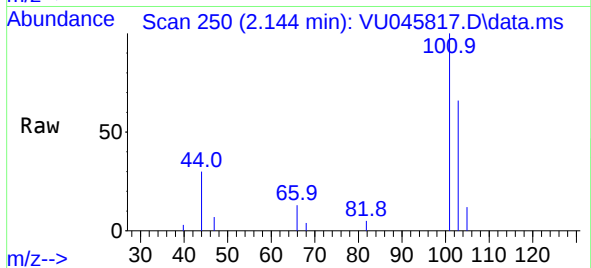




#9
 Trichlorofluoromethane
 Concen: 0.439 ug/L
 RT: 2.144 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU045817.D
 Acq: 16 Nov 2021 19:14

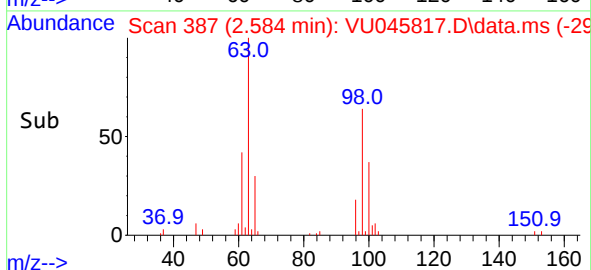
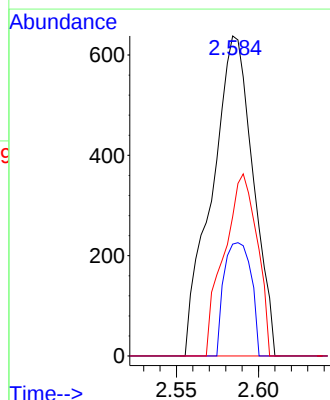
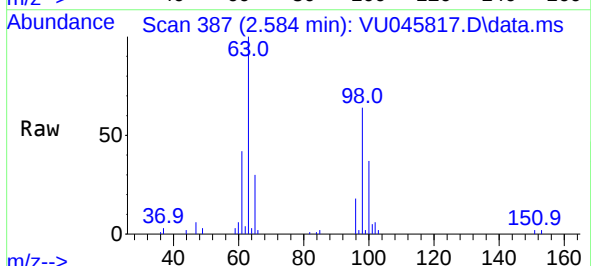
Instrument :
 MSVOA_U
 ClientSampleId :
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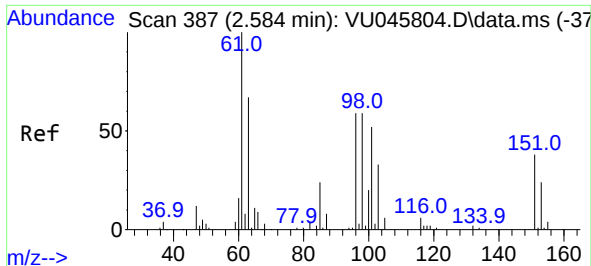
Tgt Ion:101 Resp: 4596
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.5 77.3



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.181 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU045817.D
 Acq: 16 Nov 2021 19:14

Tgt Ion:101 Resp: 1112
 Ion Ratio Lower Upper
 101 100
 85 23.1 34.6 51.8#
 151 45.7 56.1 84.1#





#12

1,1-Dichloroethene

Concen: 0.622 ug/L

RT: 2.584 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045817.D

Acq: 16 Nov 2021 19:14

Instrument :

MSVOA_U

ClientSampleId :

BG200

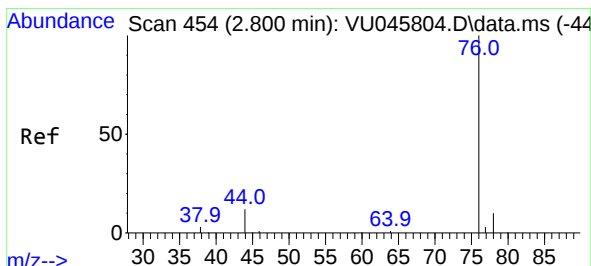
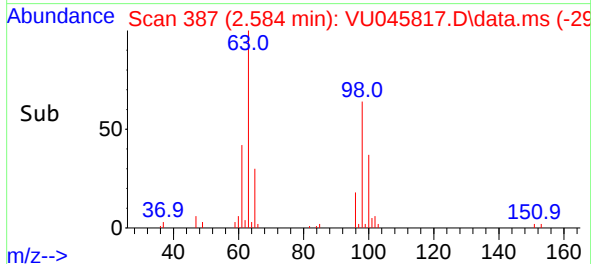
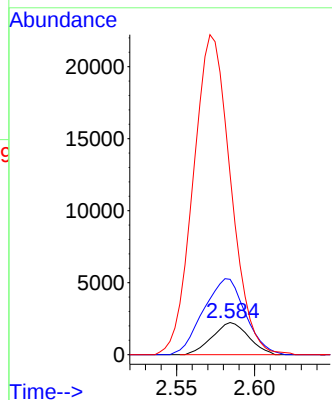
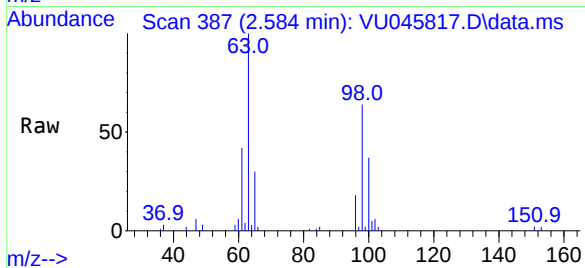
Tgt Ion: 96 Resp: 3608

Ion Ratio Lower Upper

96 100

61 234.3 124.7 231.5#

63 559.7 105.2 195.4#



#14

Carbon disulfide

Concen: 0.149 ug/L

RT: 2.800 min Scan# 454

Delta R.T. -0.000 min

Lab File: VU045817.D

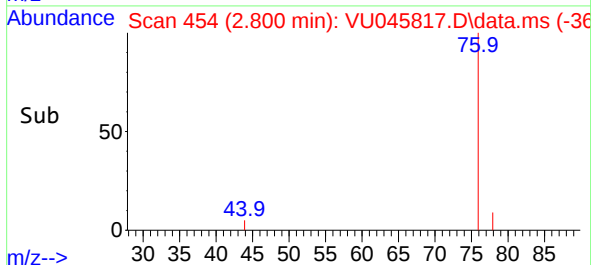
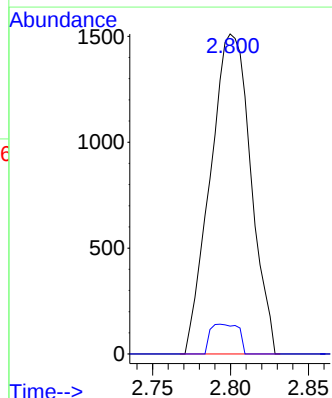
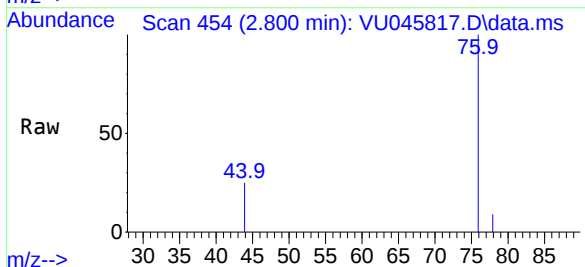
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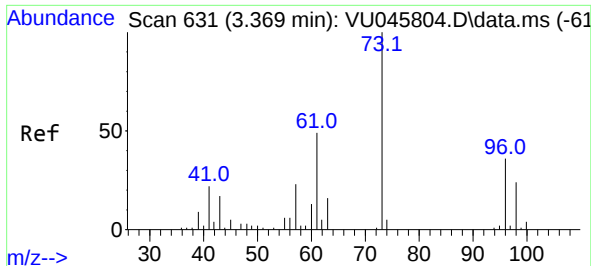
Tgt Ion: 76 Resp: 2733

Ion Ratio Lower Upper

76 100

78 8.7 7.5 11.3

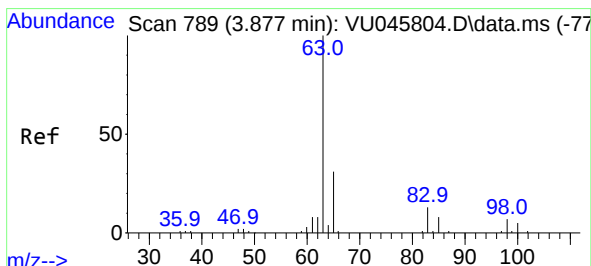
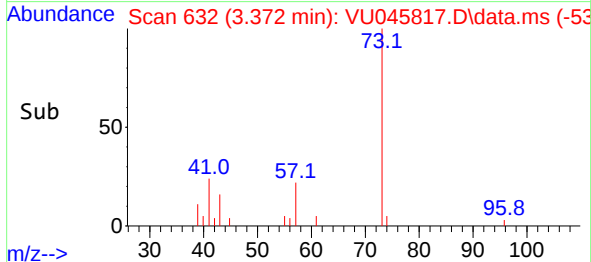
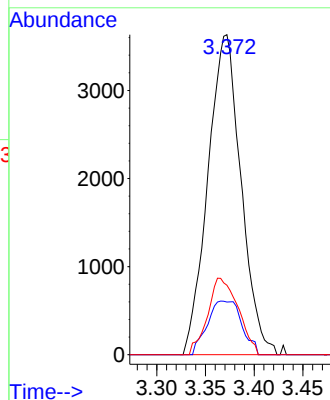
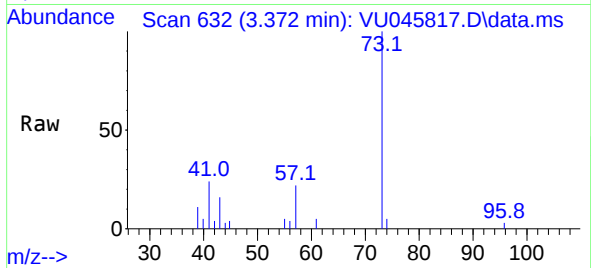




#17
Methyl tert-butyl Ether
Concen: 0.569 ug/L
RT: 3.372 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

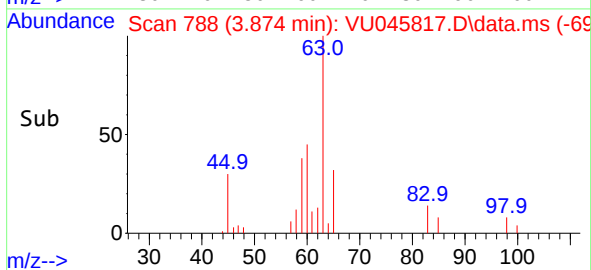
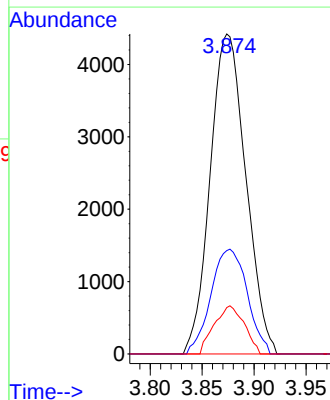
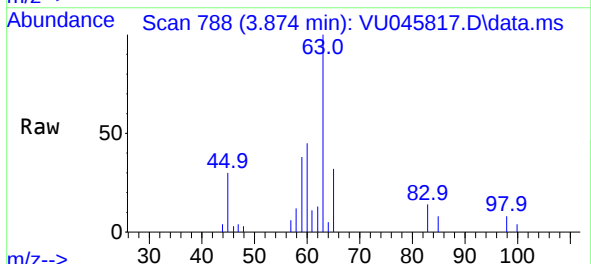
Instrument :
MSVOA_U
ClientSampleId :
BG200

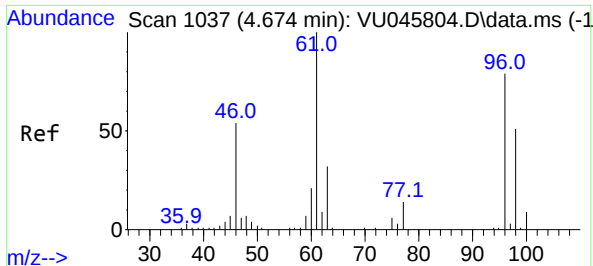
Tgt Ion: 73 Resp: 8596
Ion Ratio Lower Upper
73 100
43 17.4 14.8 22.2
57 22.1 17.4 26.0



#19
1,1-Dichloroethane
Concen: 0.905 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.003 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Tgt Ion: 63 Resp: 10538
Ion Ratio Lower Upper
63 100
65 32.3 22.3 41.5
83 14.5 9.6 17.8





#22

cis-1,2-Dichloroethene

Concen: 1.905 ug/L

RT: 4.671 min Scan# 1103

Delta R.T. -0.003 min

Lab File: VU045817.D

Acq: 16 Nov 2021 19:14

Instrument :

MSVOA_U

ClientSampleId :

BG200

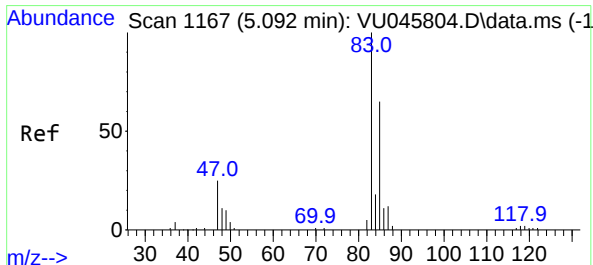
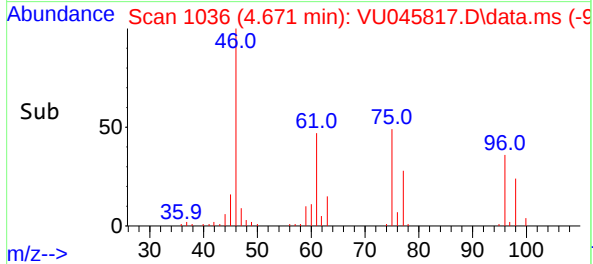
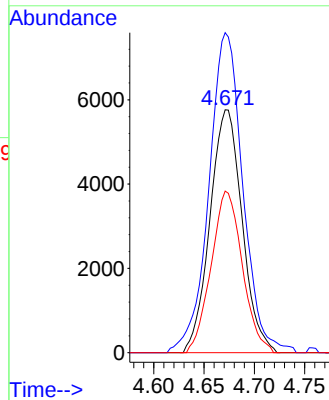
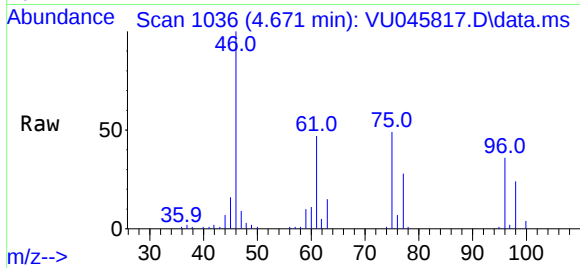
Tgt Ion: 96 Resp: 12846

Ion Ratio Lower Upper

96 100

61 131.8 88.5 164.3

98 66.5 44.4 82.5



#25

Chloroform

Concen: 0.770 ug/L

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU045817.D

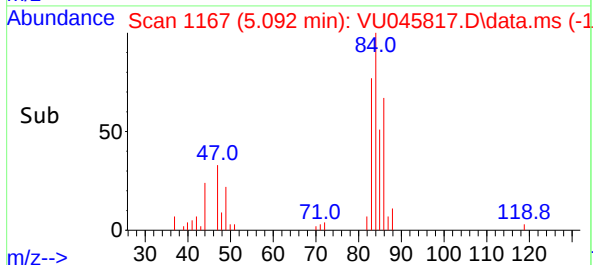
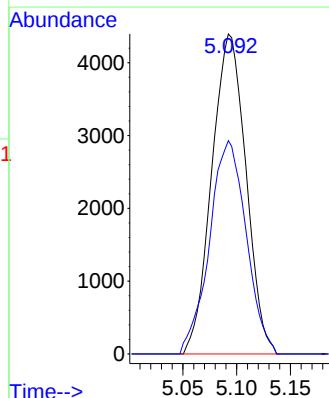
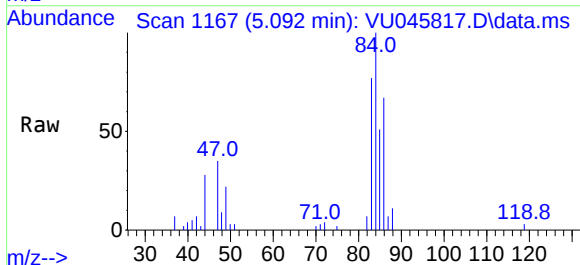
Acq: 16 Nov 2021 19:14

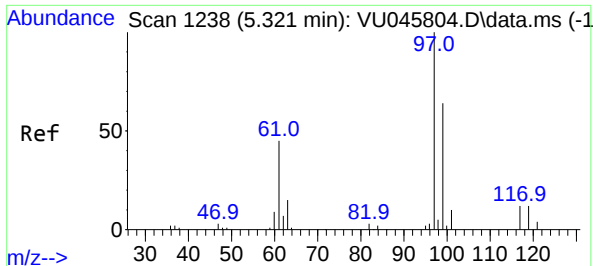
Tgt Ion: 83 Resp: 9729

Ion Ratio Lower Upper

83 100

85 66.7 46.9 87.1

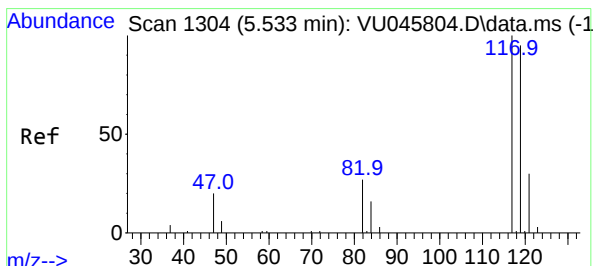
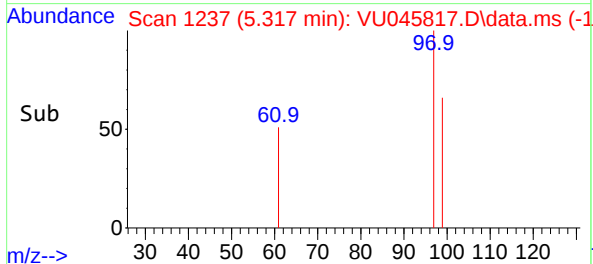
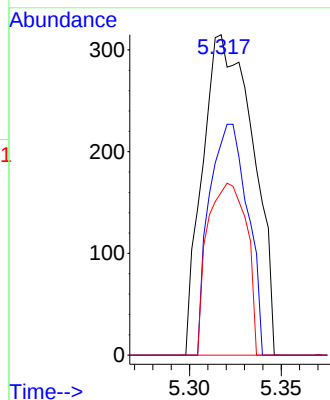
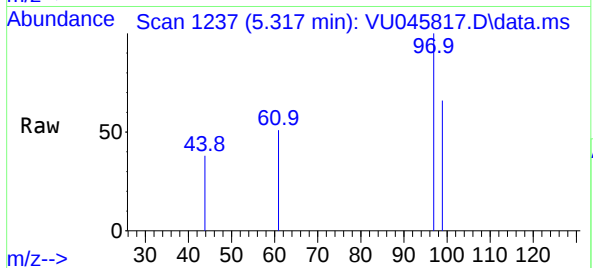




#29
1,1,1-Trichloroethane
Concen: 0.057 ug/L
RT: 5.317 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

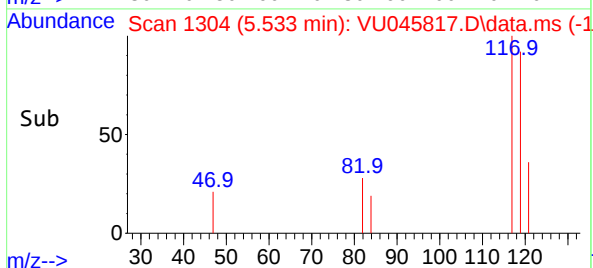
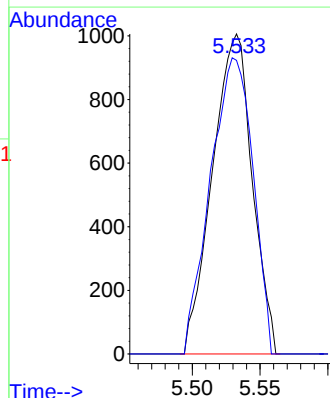
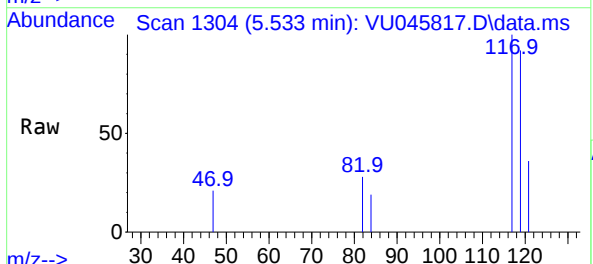
Instrument :
MSVOA_U
ClientSampleId :
BG200

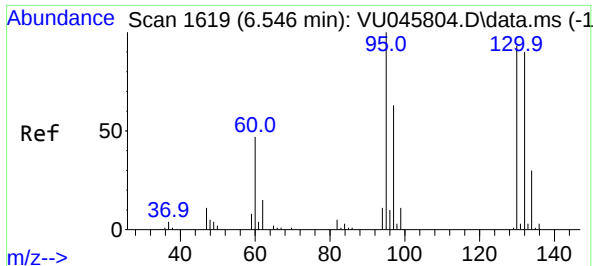
Tgt Ion: 97 Resp: 602
Ion Ratio Lower Upper
97 100
99 54.7 51.3 76.9
61 41.4 36.1 54.1



#31
Carbon tetrachloride
Concen: 0.231 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Tgt Ion: 117 Resp: 2059
Ion Ratio Lower Upper
117 100
119 98.8 77.5 116.3



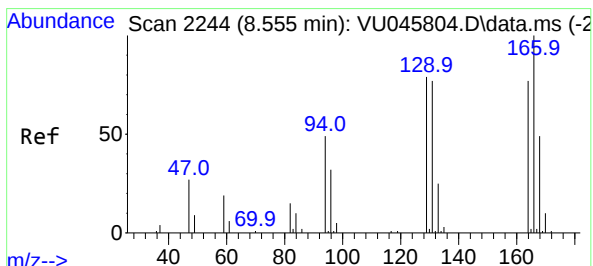
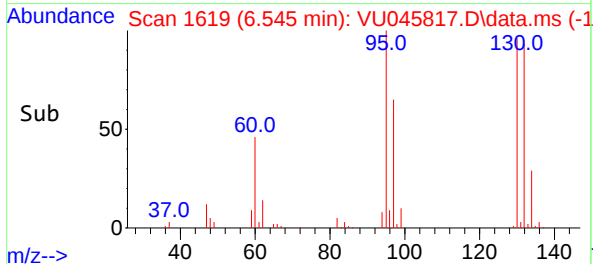
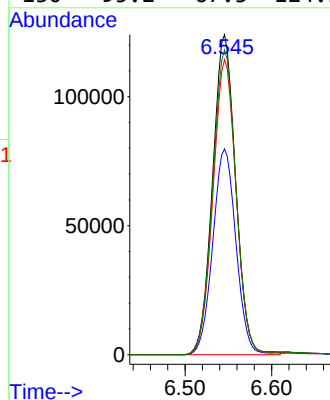
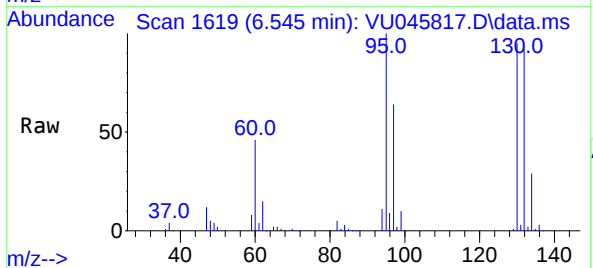


#34
Trichloroethene
Concen: 32.732 ug/L
RT: 6.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Instrument :
MSVOA_U
ClientSampleId :
BG200

Tgt Ion: 95 Resp: 229515

Ion	Ratio	Lower	Upper
95	100		
97	64.3	46.5	86.5
132	92.2	65.1	120.9
130	95.2	67.3	124.9



#47
Tetrachloroethene
Concen: 9.303 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Tgt Ion: 164 Resp: 45664

Ion	Ratio	Lower	Upper
164	100		
129	99.1	71.8	133.4
131	94.9	68.5	127.3
166	125.6	94.1	174.8

