

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 :

Quant Time: Nov 17 04:53:01 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
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
18) trans-1,2-Dichloroethene	3.356	96	315	0.051	ug/L	91
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
35) Methylcyclohexane	6.693	83	8494	0.789	ug/L #	17
37) 1,2-Dichloropropane	6.793	63	1628	0.227	ug/L #	88
47) Tetrachloroethene	8.555	164	45664	9.303	ug/L	95
49) Dibromochloromethane	8.555	129	45234	7.471	ug/L #	10
61) 1,2,3-Trichloropropane	11.812	75	5621	1.198	ug/L #	64

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Nov 17 04:49:52 2021
Response via : Initial Calibration

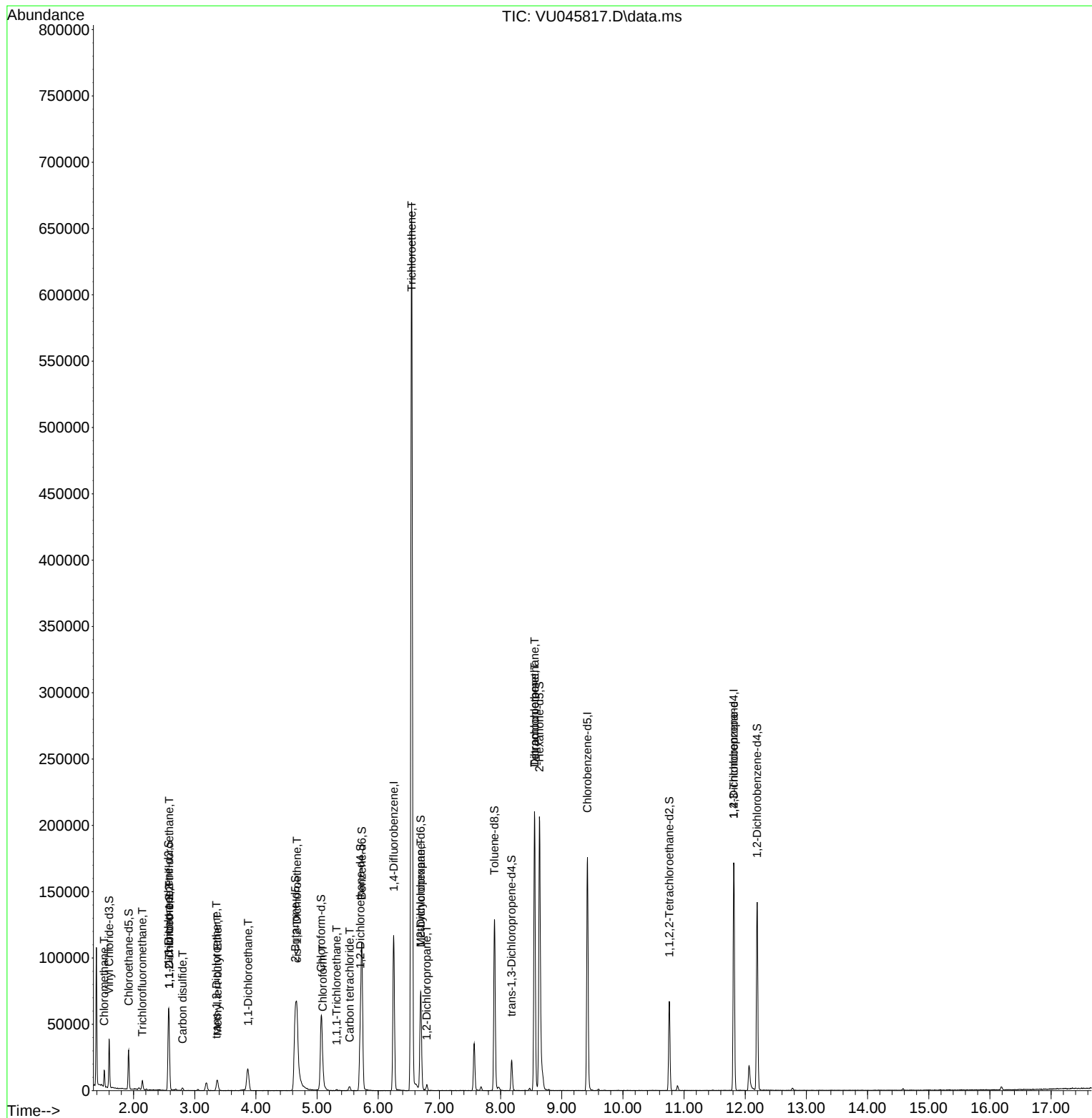
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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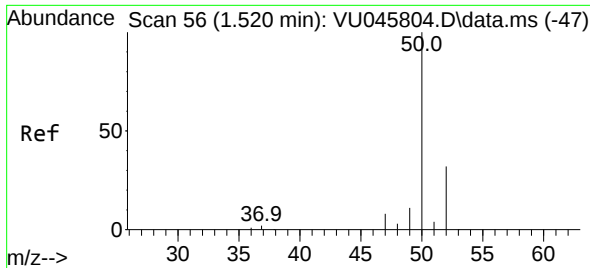
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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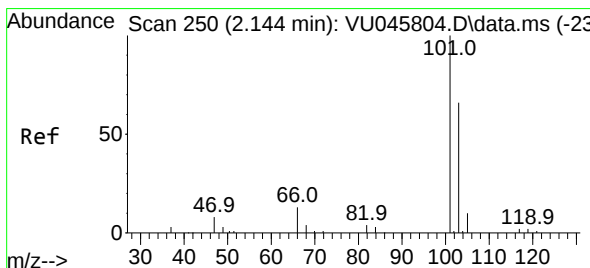
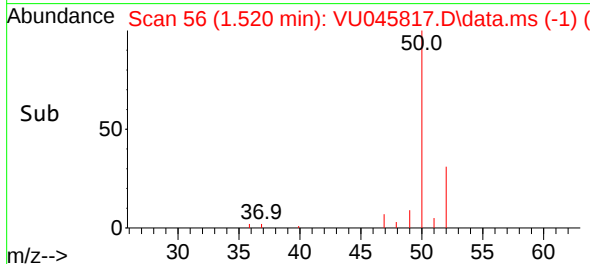
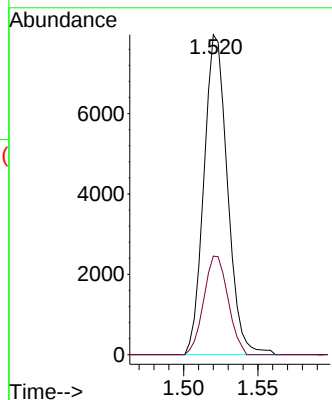
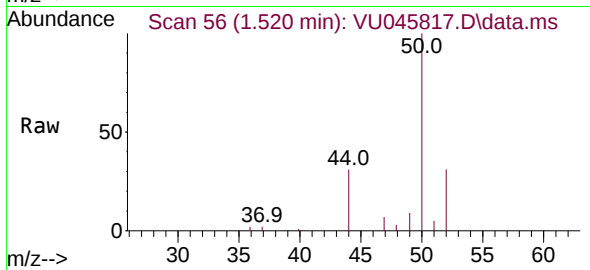




#3
Chloromethane
Concen: 1.085 ug/L
RT: 1.520 min Scan# 50
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

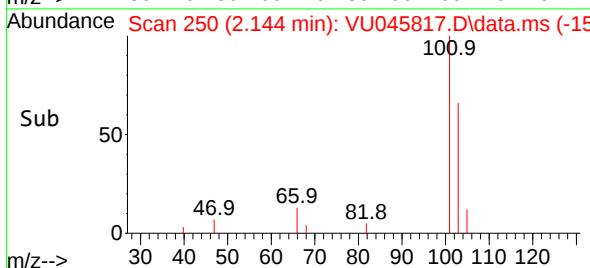
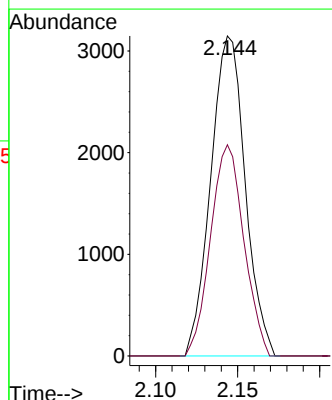
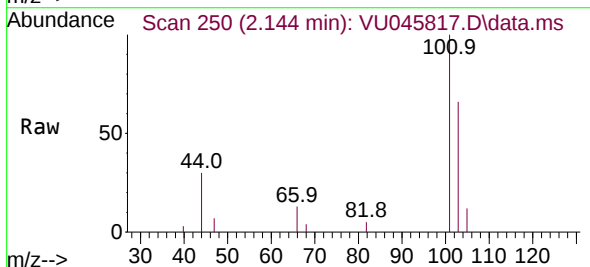
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MSVOA_U
ClientSampleId :

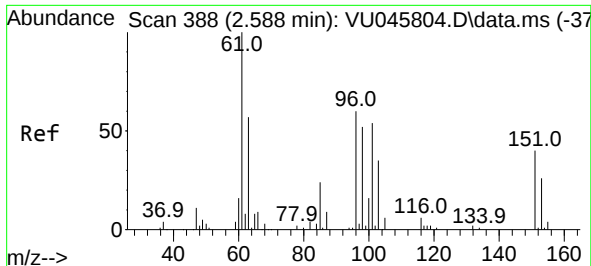
Tgt Ion: 50 Resp: 8775
Ion Ratio Lower Upper
50 100
52 30.8 23.0 42.8



#9
Trichlorofluoromethane
Concen: 0.439 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

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

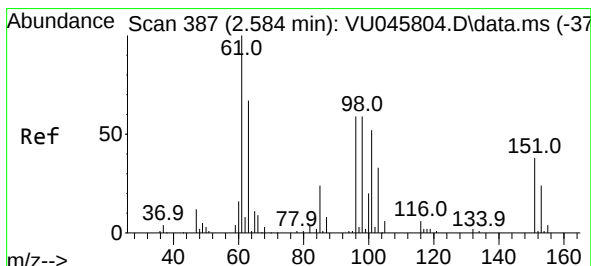
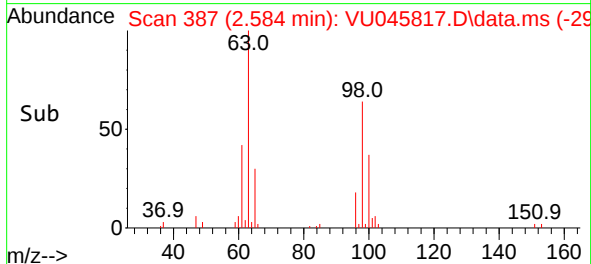
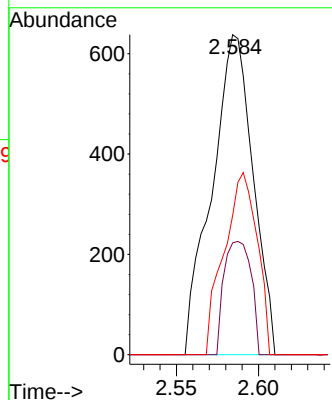
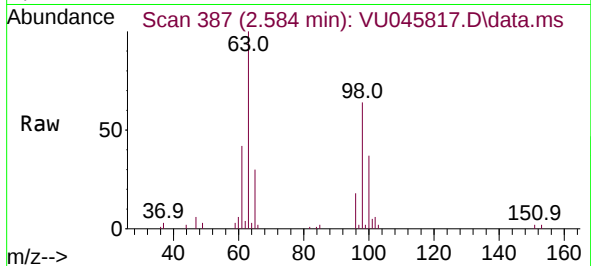




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.181 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU045817.D
 Acq: 16 Nov 2021 19:14

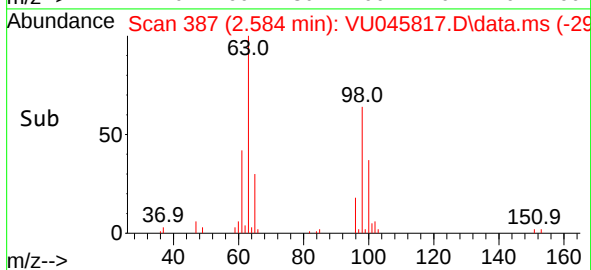
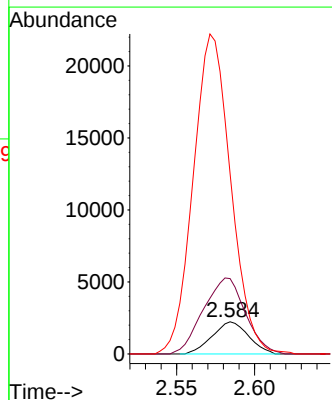
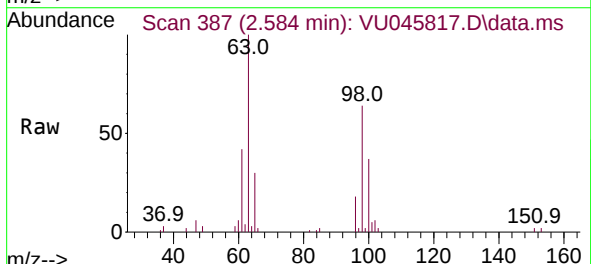
Instrument :
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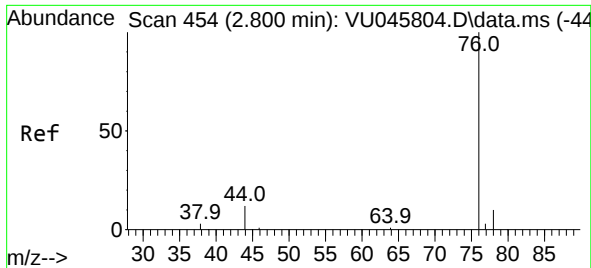
Tgt Ion:101 Resp: 1112
 Ion Ratio Lower Upper
 101 100
 85 23.1 34.6 51.8#
 151 45.7 56.1 84.1#



#12
 1,1-Dichloroethene
 Concen: 0.622 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.000 min
 Lab File: VU045817.D
 Acq: 16 Nov 2021 19:14

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#

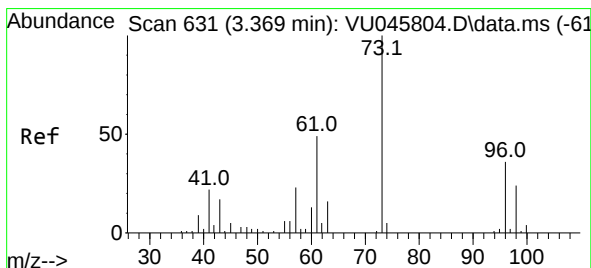
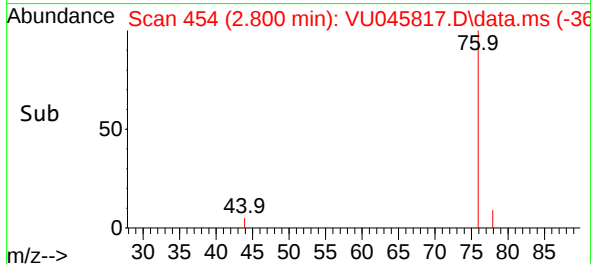
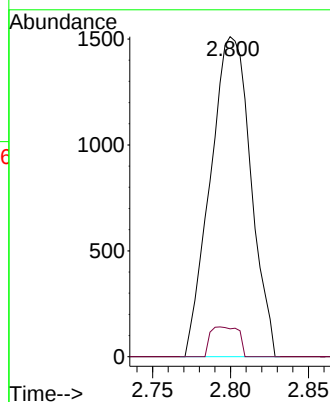
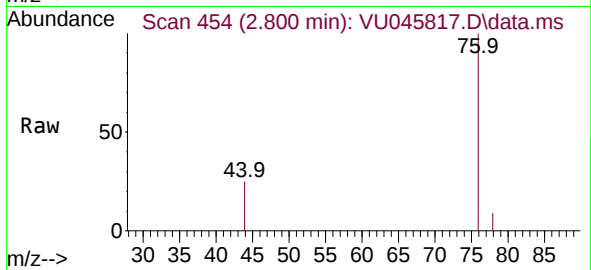




#14
Carbon disulfide
Concen: 0.149 ug/L
RT: 2.800 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

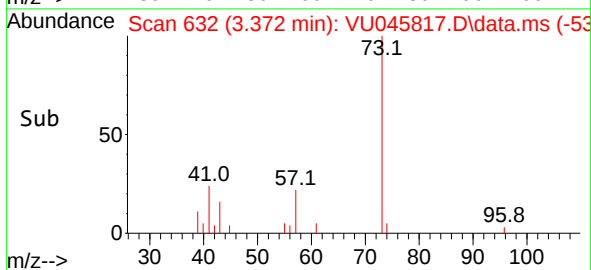
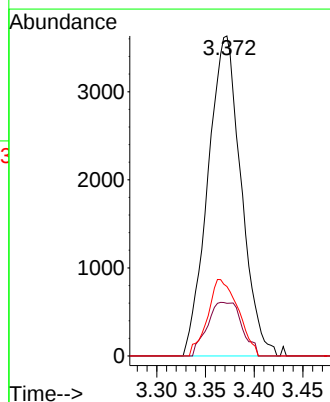
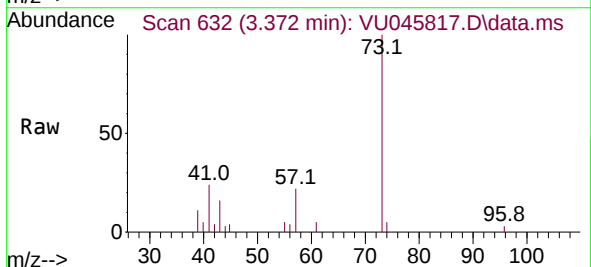
Instrument :
MSVOA_U
ClientSampleId :

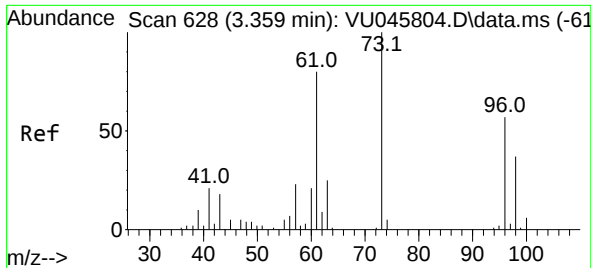
Tgt Ion: 76 Resp: 2733
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3



#17
Methyl tert-butyl Ether
Concen: 0.569 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

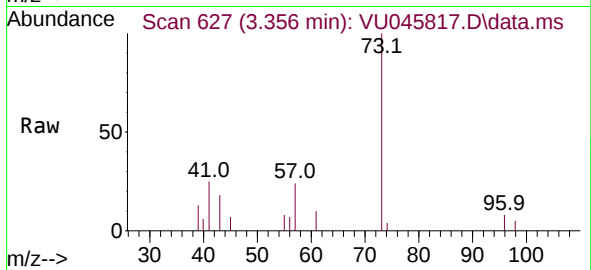
Tgt Ion: 73 Resp: 8596
Ion Ratio Lower Upper
73 100
43 17.4 14.8 22.2
57 22.1 17.4 26.0



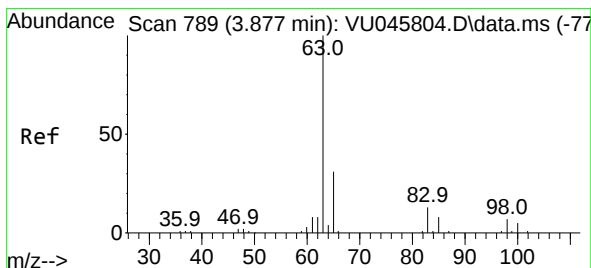
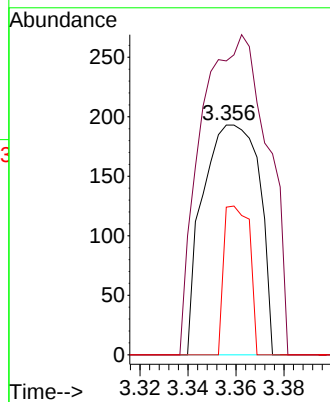
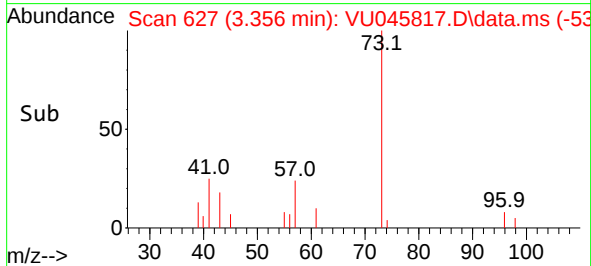


#18
trans-1,2-Dichloroethene
Concen: 0.051 ug/L
RT: 3.356 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Instrument :
MSVOA_U
ClientSampleId :

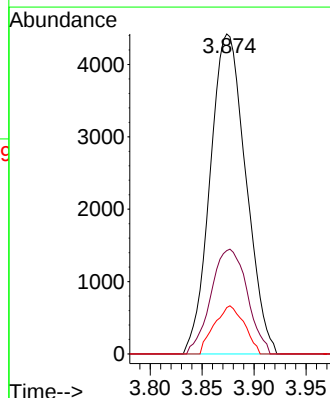
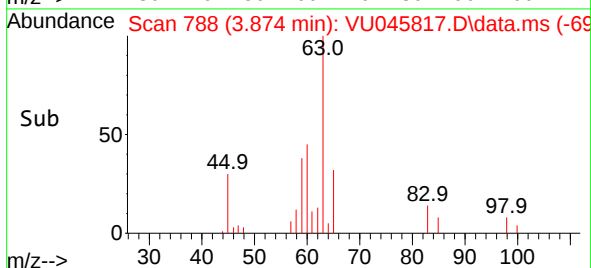
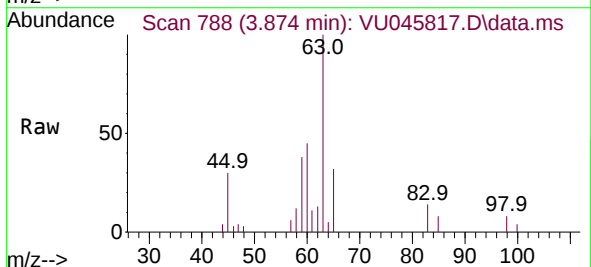


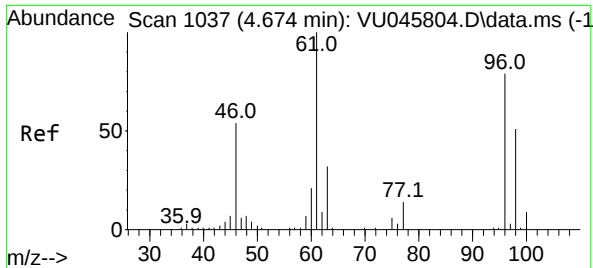
Tgt Ion: 96 Resp: 315
Ion Ratio Lower Upper
96 100
61 128.0 100.8 187.2
98 64.2 45.1 83.7



#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

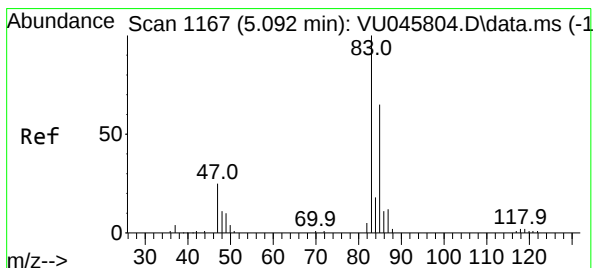
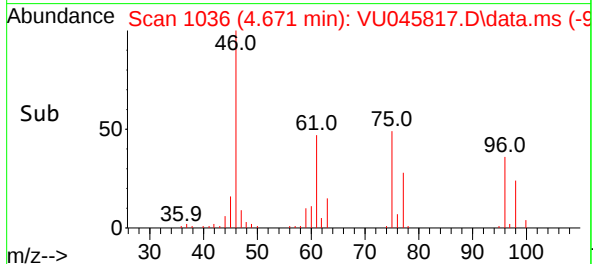
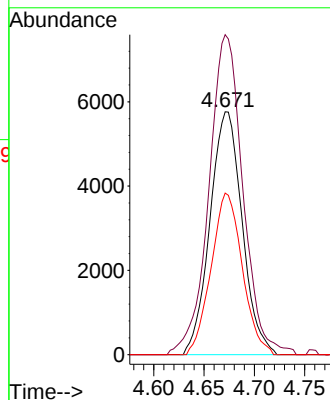
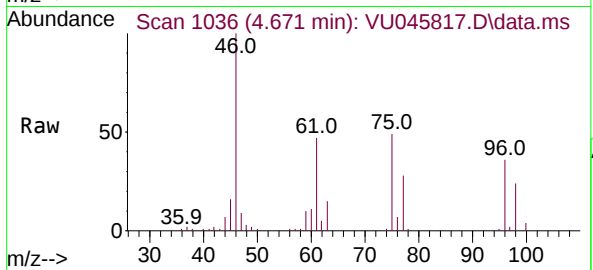




#22
 cis-1,2-Dichloroethene
 Concen: 1.905 ug/L
 RT: 4.671 min Scan# 1036
 Delta R.T. -0.003 min
 Lab File: VU045817.D
 Acq: 16 Nov 2021 19:14

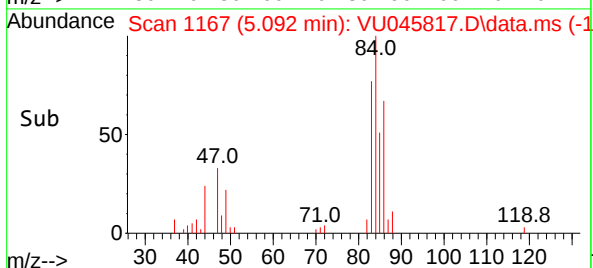
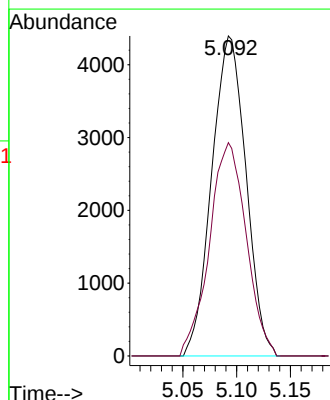
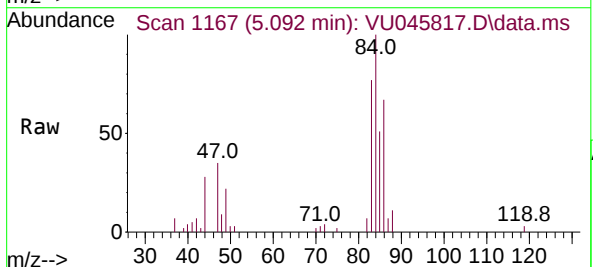
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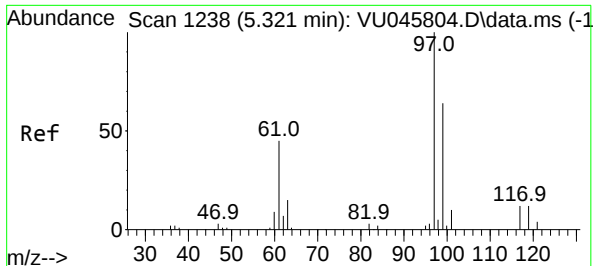
Tgt Ion: 96 Resp: 12846
 Ion Ratio Lower Upper
 96 100
 61 131.8 88.5 164.3
 98 66.5 44.4 82.5



#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# 1

Delta R.T. -0.003 min

Lab File: VU045817.D

Acq: 16 Nov 2021 19:14

Instrument :

MSVOA_U

ClientSampleId :

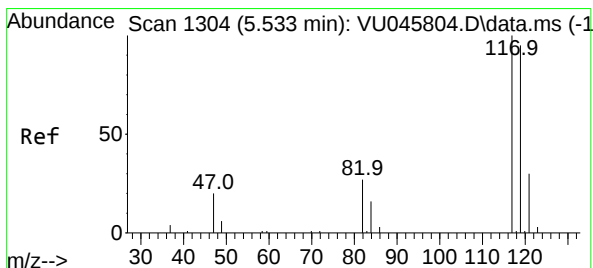
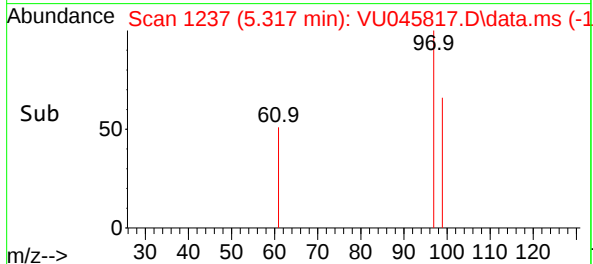
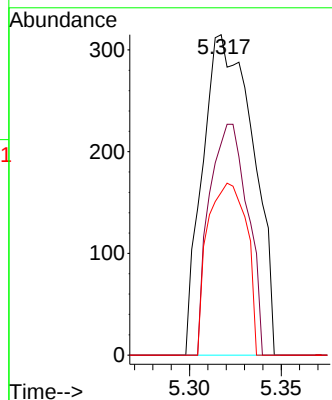
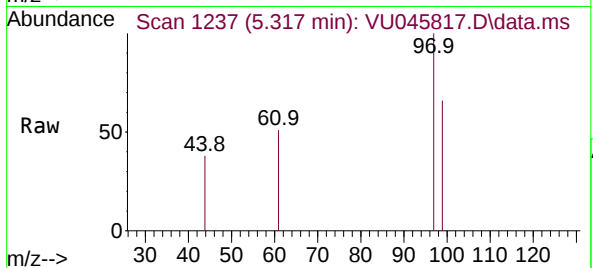
Tgt Ion: 97 Resp: 602

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

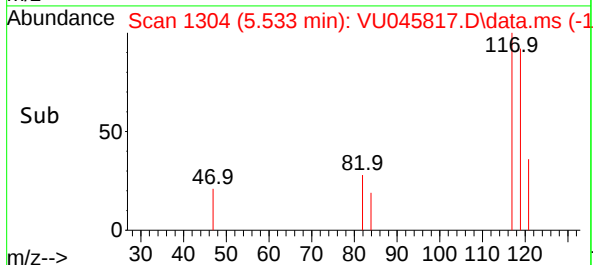
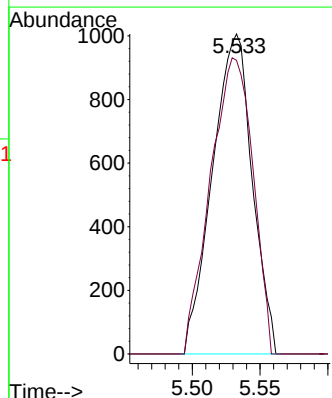
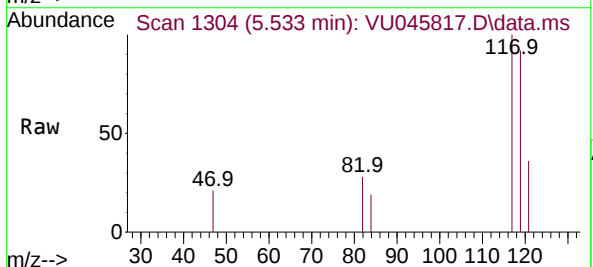
Acq: 16 Nov 2021 19:14

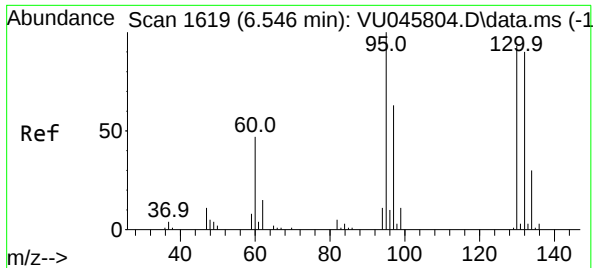
Tgt Ion: 117 Resp: 2059

Ion Ratio Lower Upper

117 100

119 98.8 77.5 116.3

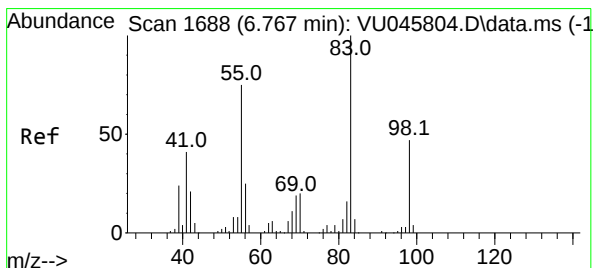
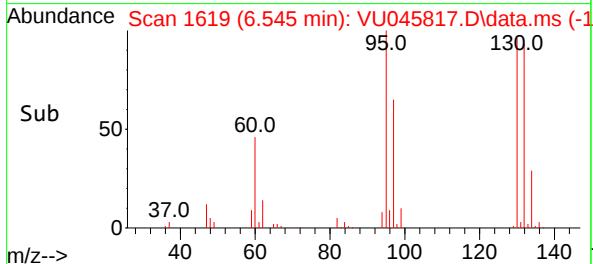
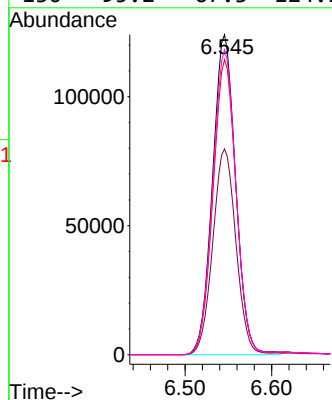
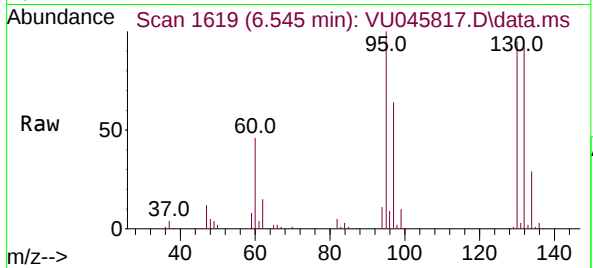




#34
Trichloroethene
Concen: 32.732 ug/L
RT: 6.545 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

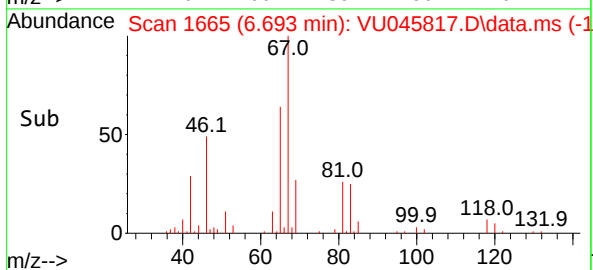
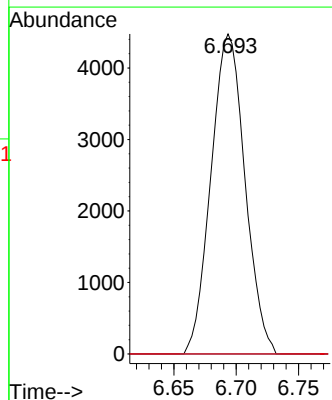
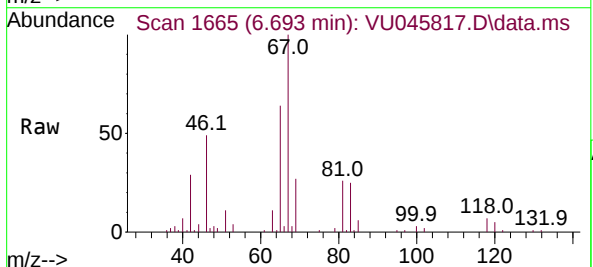
Instrument :
MSVOA_U
ClientSampleId :

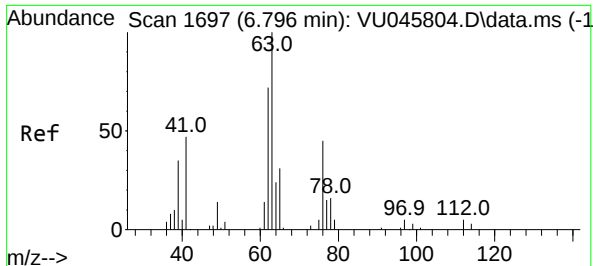
Tgt Ion: 95 Resp: 229515
Ion Ratio Lower Upper
95 100
97 64.3 46.5 86.5
132 92.2 65.1 120.9
130 95.2 67.3 124.9



#35
Methylcyclohexane
Concen: 0.789 ug/L
RT: 6.693 min Scan# 1665
Delta R.T. -0.074 min
Lab File: VU045817.D
Acq: 16 Nov 2021 19:14

Tgt Ion: 83 Resp: 8494
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: 0.227 ug/L

RT: 6.793 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU045817.D

Acq: 16 Nov 2021 19:14

Instrument :

MSVOA_U

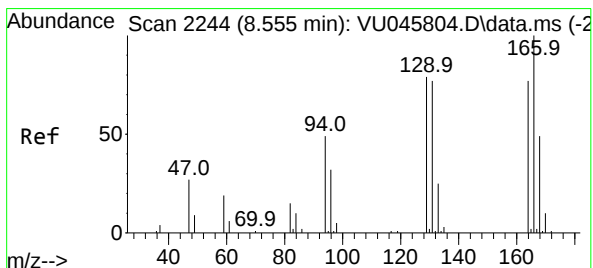
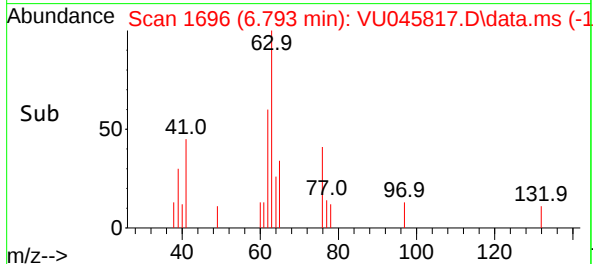
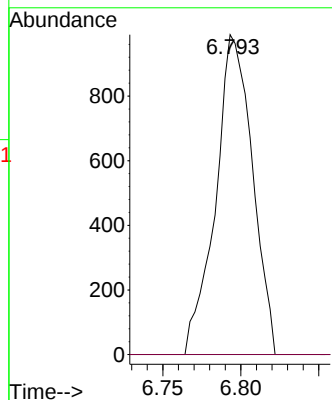
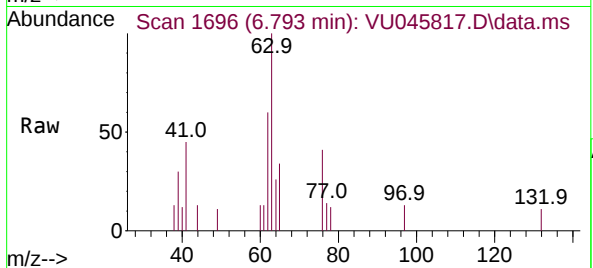
ClientSampleId :

Tgt Ion: 63 Resp: 1628

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#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

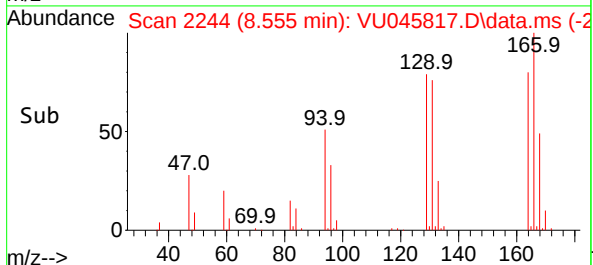
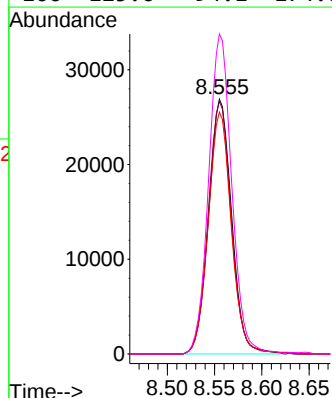
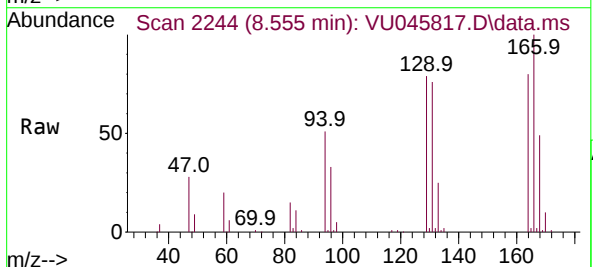
Ion Ratio Lower Upper

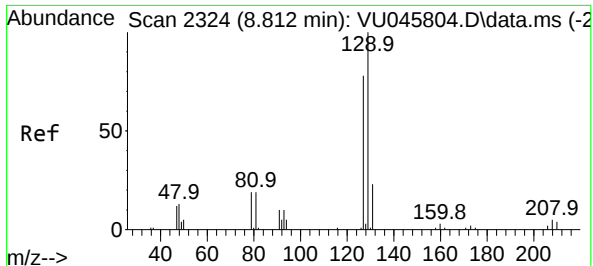
164 100

129 99.1 71.8 133.4

131 94.9 68.5 127.3

166 125.6 94.1 174.8





#49

Dibromochloromethane

Concen: 7.471 ug/L

RT: 8.555 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU045817.D

Acq: 16 Nov 2021 19:14

Instrument :

MSVOA_U

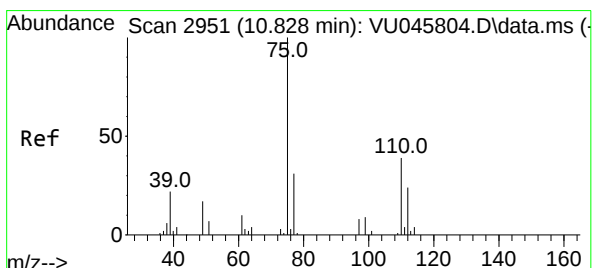
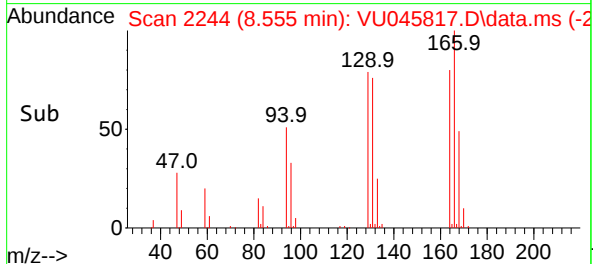
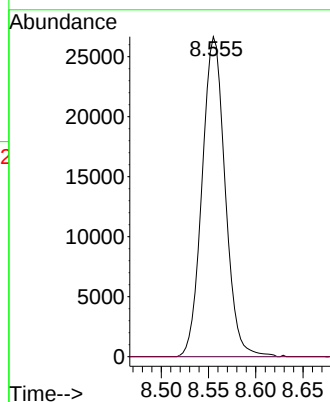
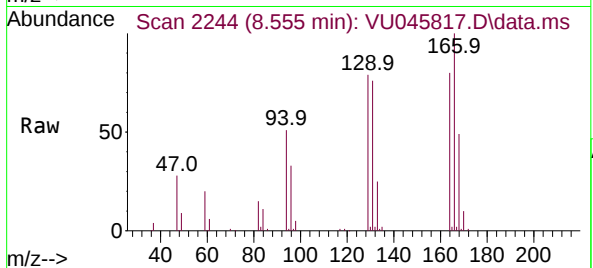
ClientSampleId :

Tgt Ion:129 Resp: 45234

Ion Ratio Lower Upper

129 100

127 0.0 55.4 102.8#



#61

1,2,3-Trichloropropane

Concen: 1.198 ug/L

RT: 11.812 min Scan# 3257

Delta R.T. 0.984 min

Lab File: VU045817.D

Acq: 16 Nov 2021 19:14

Tgt Ion: 75 Resp: 5621

Ion Ratio Lower Upper

75 100

110 0.0 29.9 44.9#

77 34.6 25.5 38.3

