

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120722\
 Data File : VU052204.D
 Acq On : 07 Dec 2022 18:22
 Operator : JC/MD
 Sample : N5930-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ93

Quant Time: Dec 08 02:02:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 08 01:59:42 2022
 Response via : Initial Calibration

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

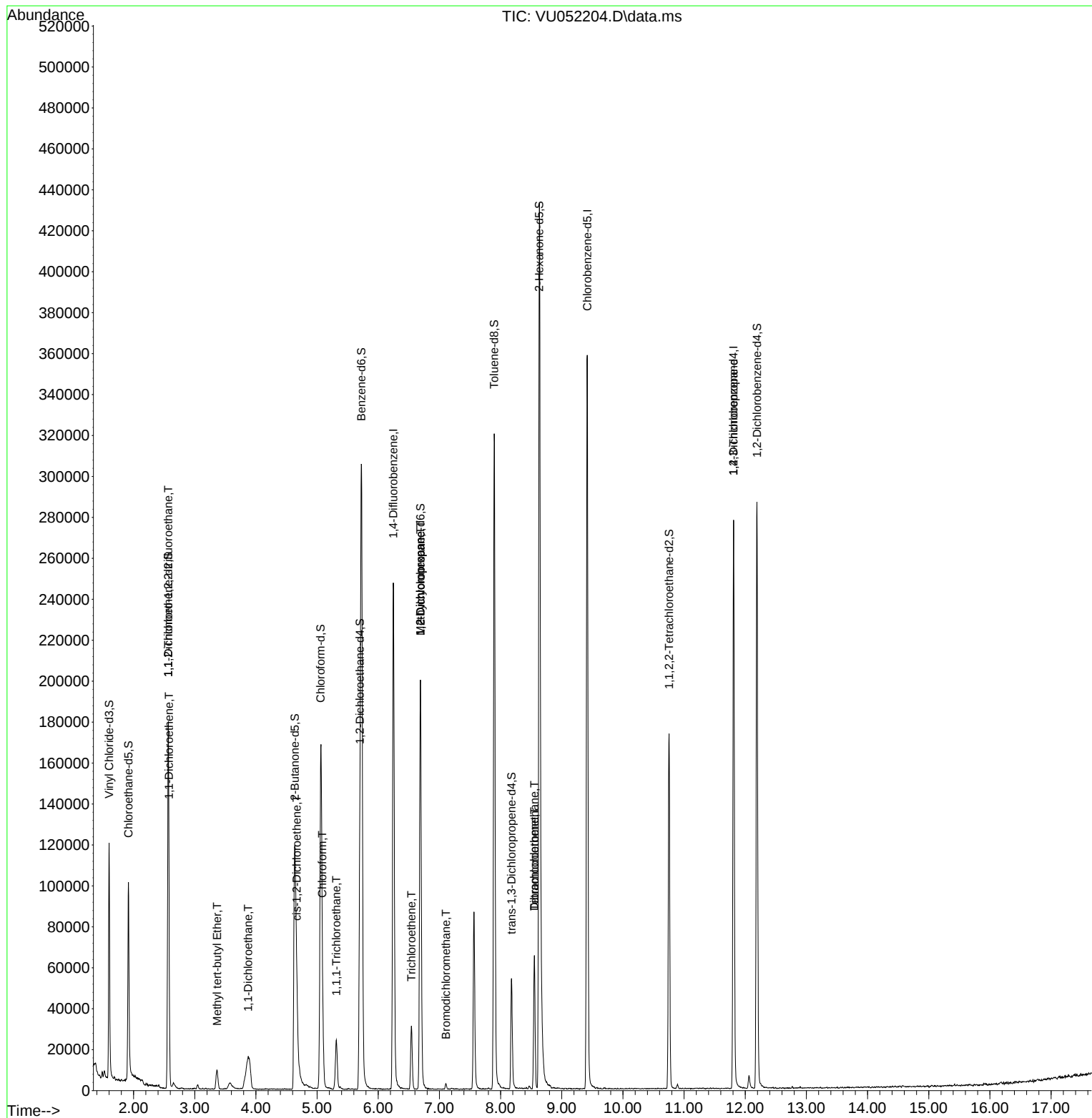
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	209984	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	213126	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	78999	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	88647	4.340	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.800%
7) Chloroethane-d5	1.916	69	77908	4.911	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.200%
11) 1,1-Dichloroethene-d2	2.568	65	33697	4.603	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	4.636	46	210969	56.983	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.960%
24) Chloroform-d	5.060	84	156088	5.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.000%
26) 1,2-Dichloroethane-d4	5.700	65	81387	5.369	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.400%
32) Benzene-d6	5.726	84	305818	4.833	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	6.690	67	102166	5.218	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.400%
41) Toluene-d8	7.896	98	226653	3.959	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.200%
43) trans-1,3-Dichloroprop...	8.179	79	32120	4.501	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.000%
46) 2-Hexanone-d5	8.632	63	147076	48.636	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.280%
56) 1,1,2,2-Tetrachloroeth...	10.754	84	89485	5.271	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.400%
66) 1,2-Dichlorobenzene-d4	12.192	152	80250	5.306	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.200%
Target Compounds						
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	980	0.064	ug/L #	20
12) 1,1-Dichloroethene	2.578	96	2449	0.161	ug/L #	1
17) Methyl tert-butyl Ether	3.366	73	7946	0.233	ug/L #	93
19) 1,1-Dichloroethane	3.874	63	4144	0.141	ug/L	95
22) cis-1,2-Dichloroethene	4.668	96	9207	0.537	ug/L	97
25) Chloroform	5.086	83	23464	0.787	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	17490	0.740	ug/L	97
34) Trichloroethene	6.542	95	10465	0.605	ug/L	93
35) Methylcyclohexane	6.690	83	22864	0.919	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	10498	0.585	ug/L #	88
38) Bromodichloromethane	7.105	83	2075	0.095	ug/L #	92
47) Tetrachloroethene	8.552	164	15349	1.158	ug/L	98
49) Dibromochloromethane	8.552	129	14249	0.943	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	8861	0.980	ug/L #	69

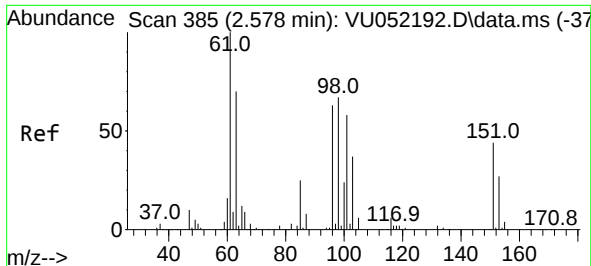
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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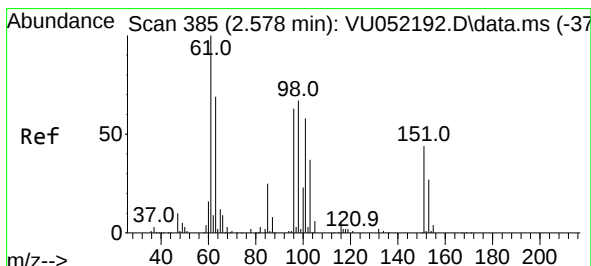
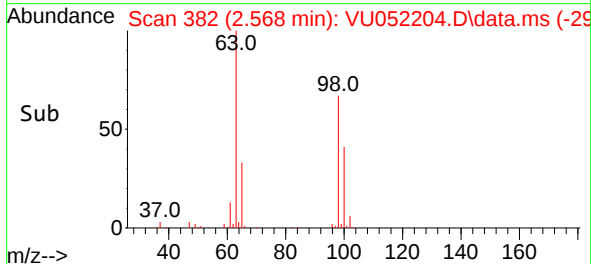
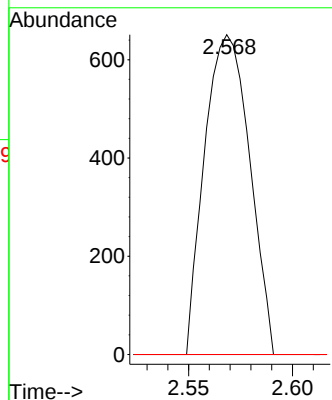
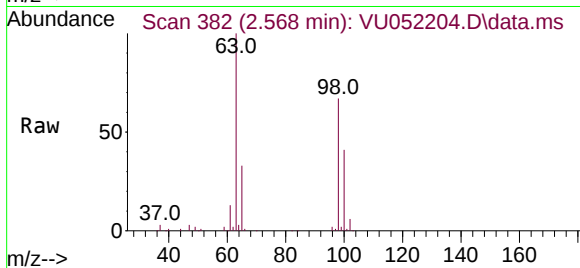




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.064 ug/L
 RT: 2.568 min Scan# 382
 Delta R.T. -0.010 min
 Lab File: VU052204.D
 Acq: 07 Dec 2022 18:22

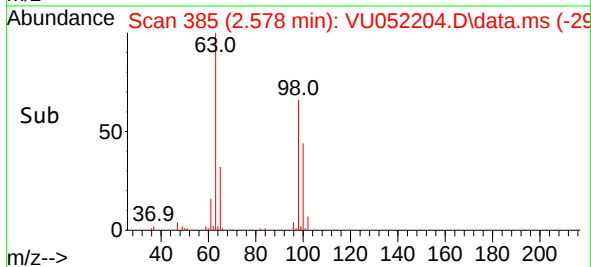
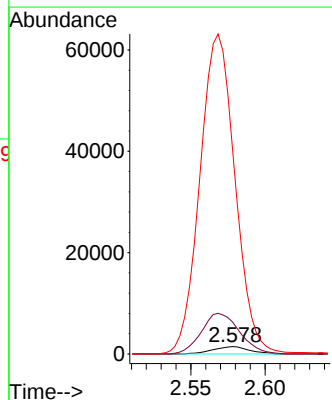
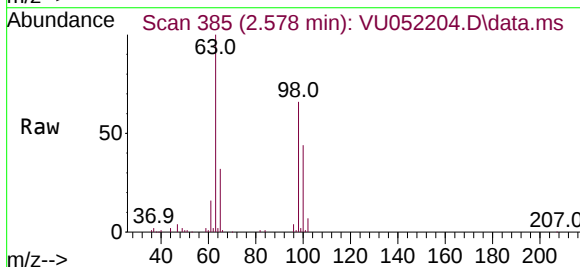
Instrument :
 MSVOA_U
 ClientSampleId :
 EXZ93

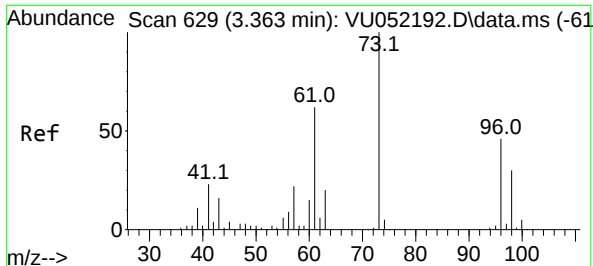
Tgt Ion:101 Resp: 980
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.8 50.6#
 151 0.0 58.6 88.0#



#12
 1,1-Dichloroethene
 Concen: 0.161 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. -0.000 min
 Lab File: VU052204.D
 Acq: 07 Dec 2022 18:22

Tgt Ion: 96 Resp: 2449
 Ion Ratio Lower Upper
 96 100
 61 438.6 114.8 213.2#
 63 2821.8 93.7 174.1#

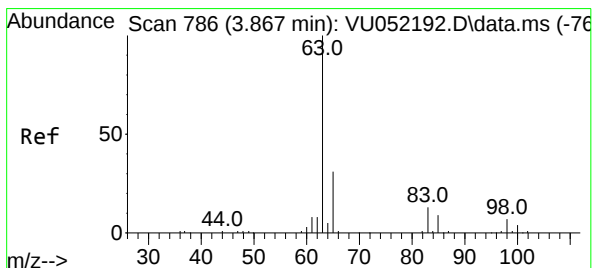
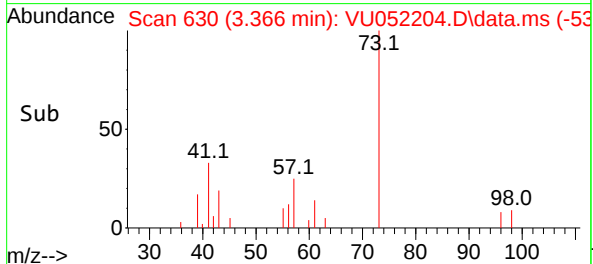
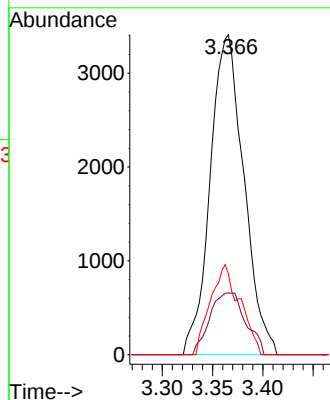
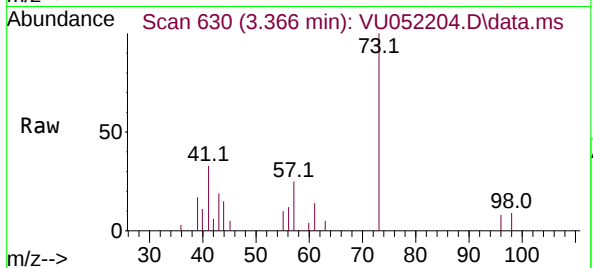




#17
Methyl tert-butyl Ether
Concen: 0.233 ug/L
RT: 3.366 min Scan# 61
Delta R.T. 0.003 min
Lab File: VU052204.D
Acq: 07 Dec 2022 18:22

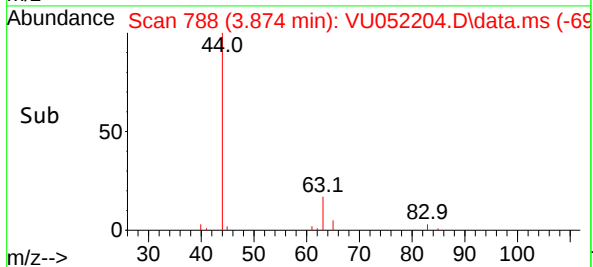
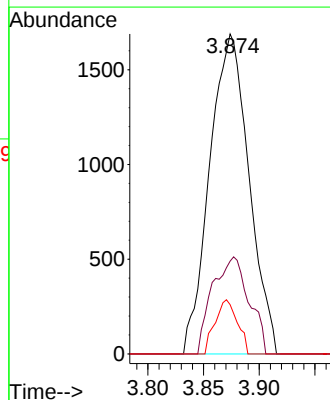
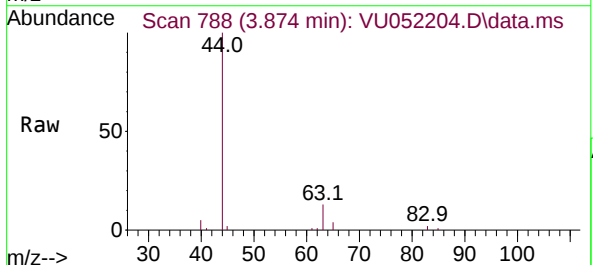
Instrument :
MSVOA_U
ClientSampleId :
EXZ93

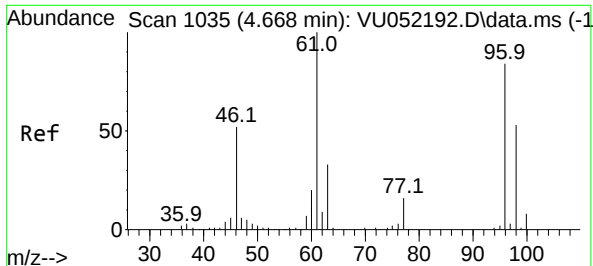
Tgt Ion: 73 Resp: 7946
Ion Ratio Lower Upper
73 100
43 20.6 13.2 19.8#
57 24.8 17.8 26.8



#19
1,1-Dichloroethane
Concen: 0.141 ug/L
RT: 3.874 min Scan# 788
Delta R.T. 0.006 min
Lab File: VU052204.D
Acq: 07 Dec 2022 18:22

Tgt Ion: 63 Resp: 4144
Ion Ratio Lower Upper
63 100
65 29.0 22.2 41.2
83 15.4 9.2 17.0





#22

cis-1,2-Dichloroethene

Concen: 0.537 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. -0.000 min

Lab File: VU052204.D

Acq: 07 Dec 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

EXZ93

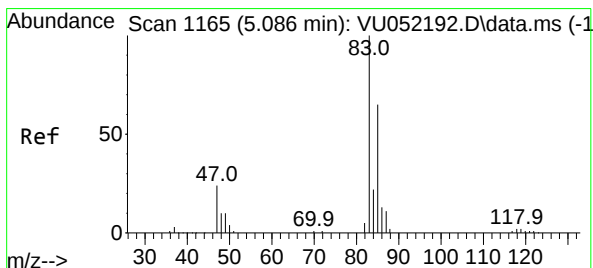
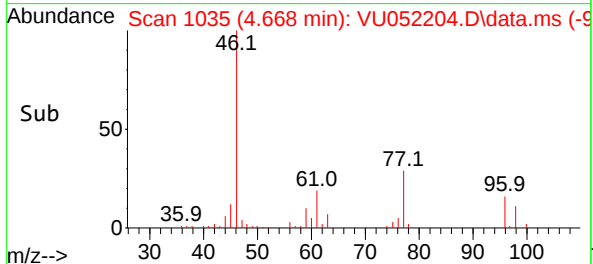
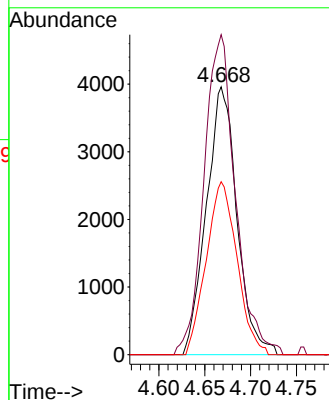
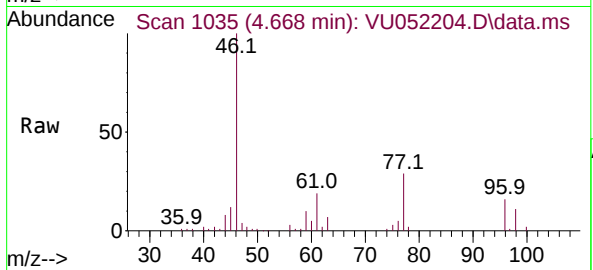
Tgt Ion: 96 Resp: 9207

Ion Ratio Lower Upper

96 100

61 119.5 85.1 158.1

98 64.6 42.8 79.6



#25

Chloroform

Concen: 0.787 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. -0.000 min

Lab File: VU052204.D

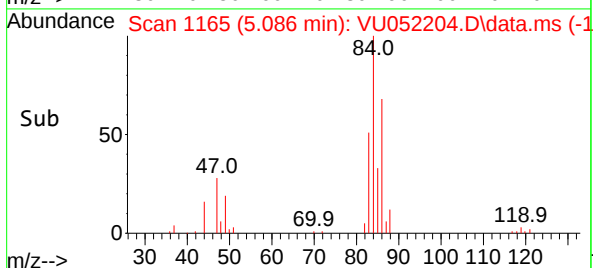
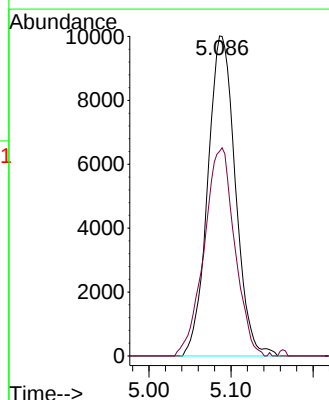
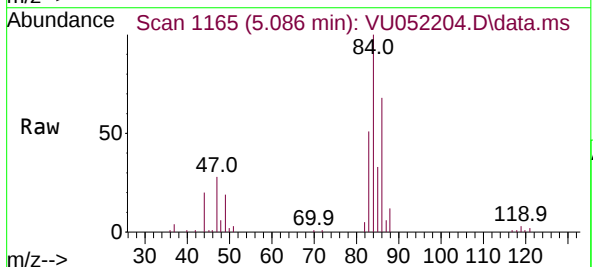
Acq: 07 Dec 2022 18:22

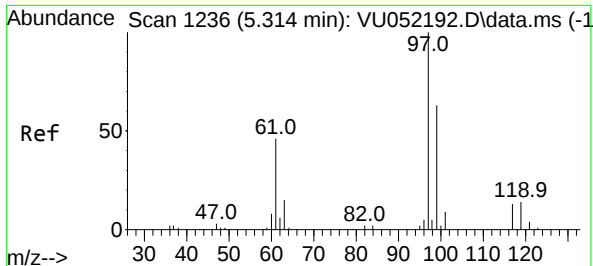
Tgt Ion: 83 Resp: 23464

Ion Ratio Lower Upper

83 100

85 63.9 43.8 81.4





#29

1,1,1-Trichloroethane

Concen: 0.740 ug/L

RT: 5.314 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU052204.D

Acq: 07 Dec 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

EXZ93

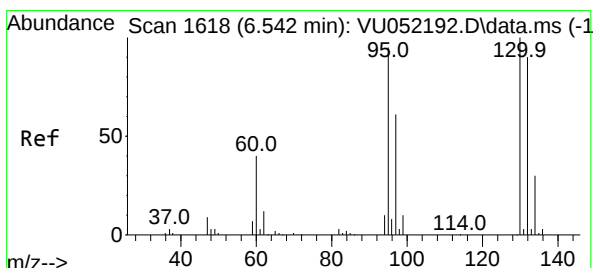
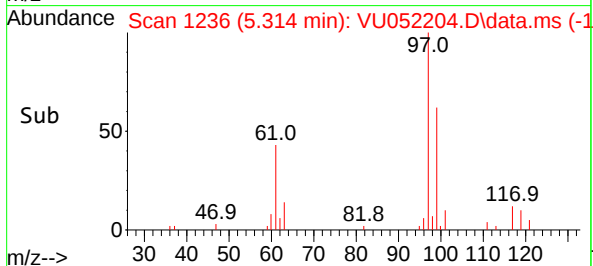
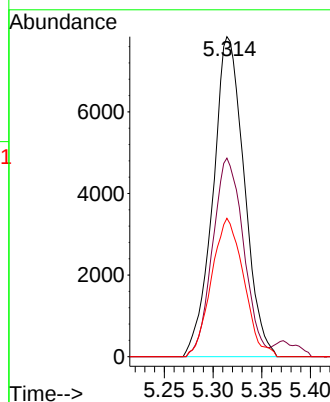
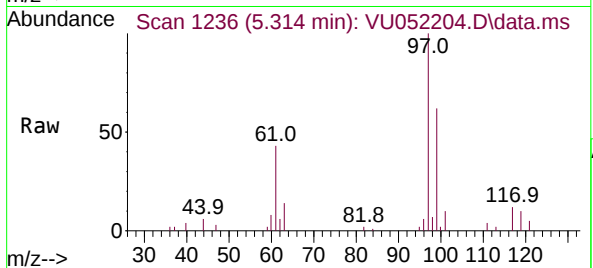
Tgt Ion: 97 Resp: 17490

Ion Ratio Lower Upper

97 100

99 61.6 51.0 76.6

61 44.7 36.9 55.3



#34

Trichloroethene

Concen: 0.605 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. -0.000 min

Lab File: VU052204.D

Acq: 07 Dec 2022 18:22

Tgt Ion: 95 Resp: 10465

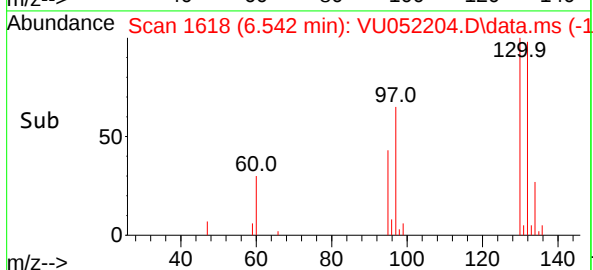
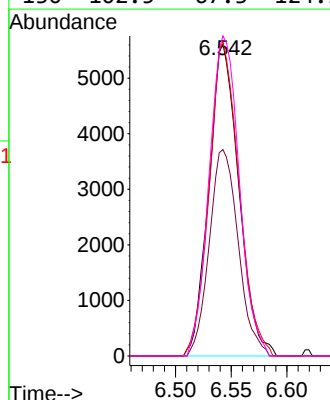
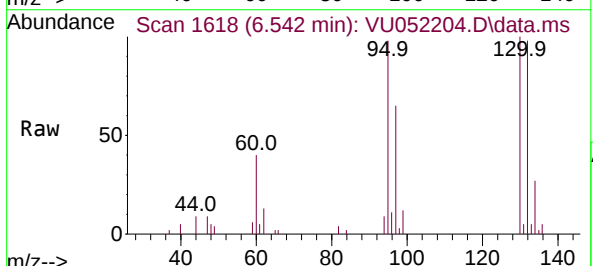
Ion Ratio Lower Upper

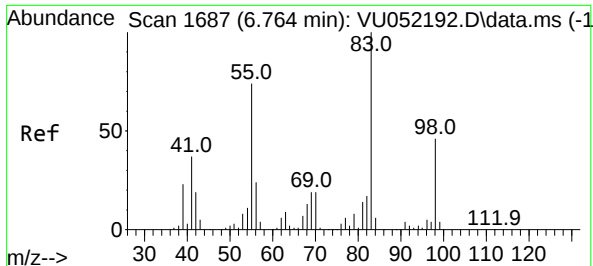
95 100

97 66.2 43.7 81.1

132 100.8 64.3 119.3

130 102.5 67.3 124.9





#35

Methylcyclohexane

Concen: 0.919 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.074 min

Lab File: VU052204.D

Acq: 07 Dec 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

EXZ93

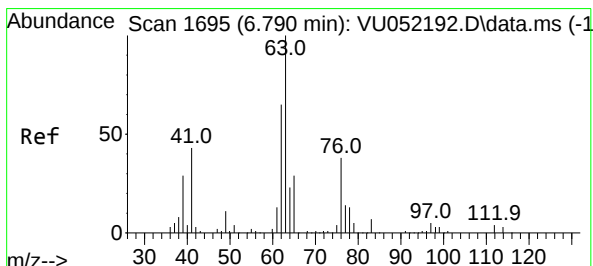
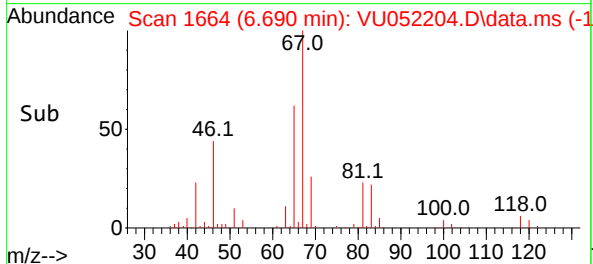
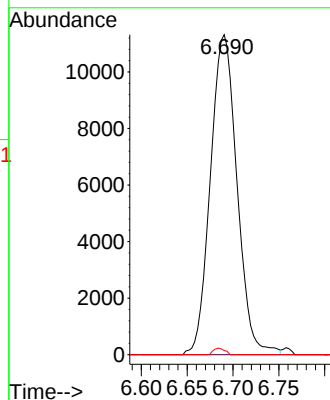
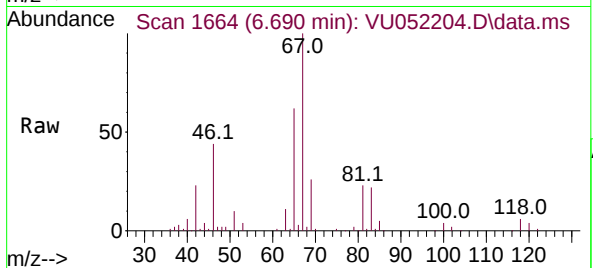
Tgt Ion: 83 Resp: 22864

Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 0.9 35.1 52.7#



#37

1,2-Dichloropropane

Concen: 0.585 ug/L

RT: 6.690 min Scan# 1664

Delta R.T. -0.100 min

Lab File: VU052204.D

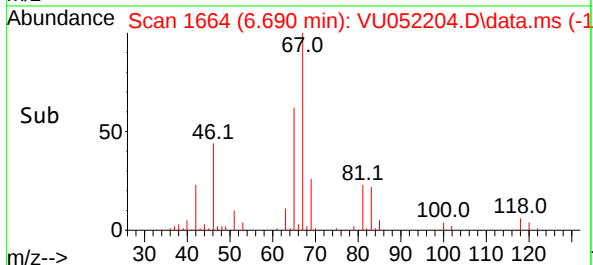
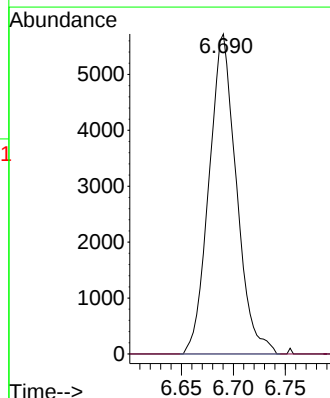
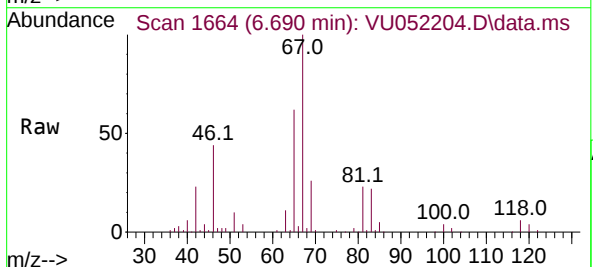
Acq: 07 Dec 2022 18:22

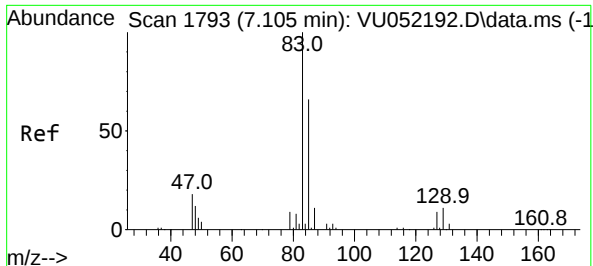
Tgt Ion: 63 Resp: 10498

Ion Ratio Lower Upper

63 100

112 0.2 3.3 4.9#

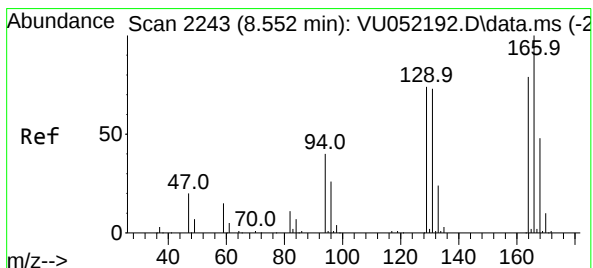
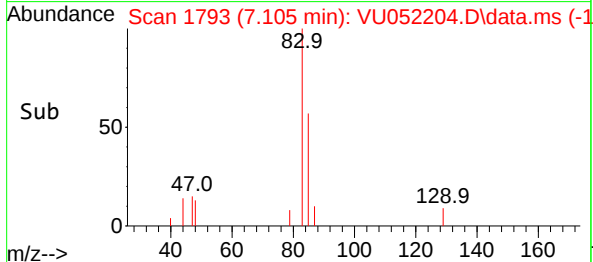
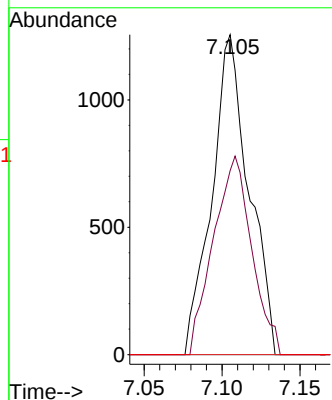
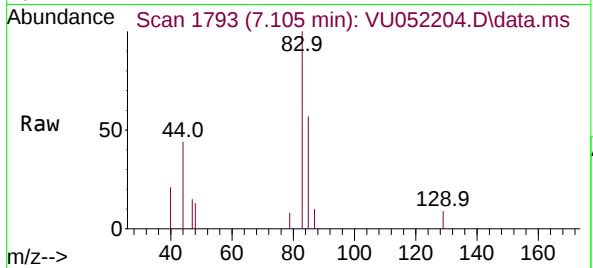




#38
Bromodichloromethane
Concen: 0.095 ug/L
RT: 7.105 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052204.D
Acq: 07 Dec 2022 18:22

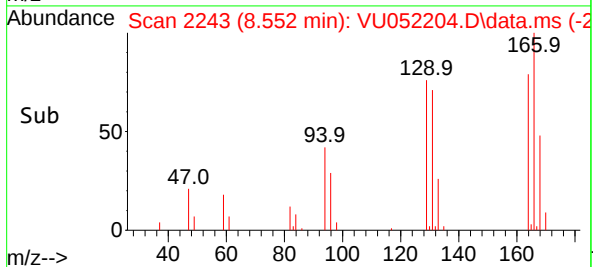
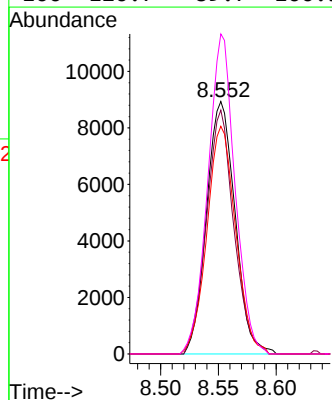
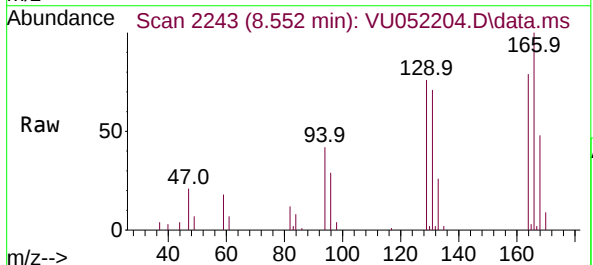
Instrument :
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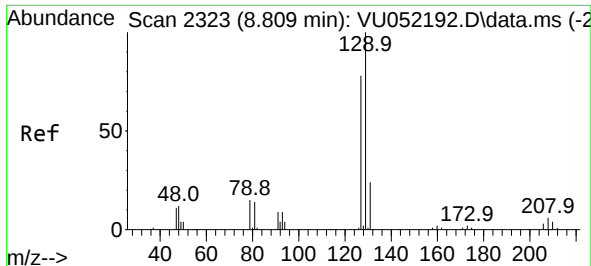
Tgt Ion: 83 Resp: 2075
Ion Ratio Lower Upper
83 100
85 57.5 43.5 80.9
127 0.0 6.8 10.2#



#47
Tetrachloroethene
Concen: 1.158 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VU052204.D
Acq: 07 Dec 2022 18:22

Tgt Ion: 164 Resp: 15349
Ion Ratio Lower Upper
164 100
129 96.6 67.4 125.2
131 90.2 67.1 124.7
166 126.7 89.7 166.5





#49

Dibromochloromethane

Concen: 0.943 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.257 min

Lab File: VU052204.D

Acq: 07 Dec 2022 18:22

Instrument :

MSVOA_U

ClientSampleId :

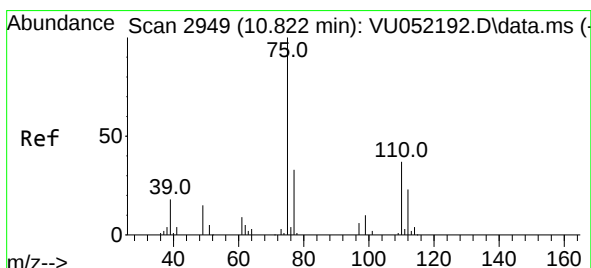
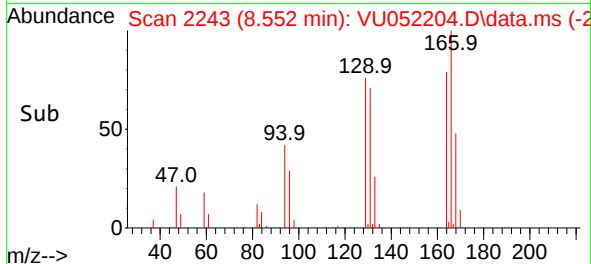
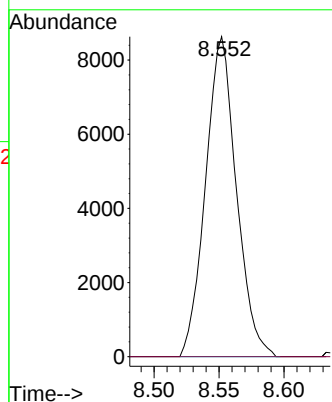
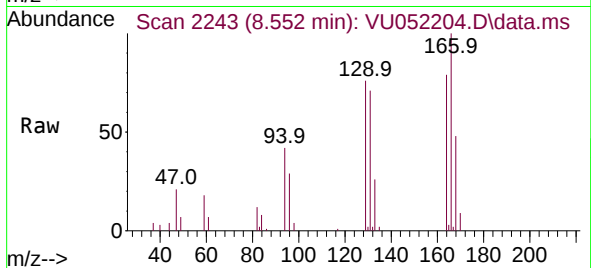
EXZ93

Tgt Ion:129 Resp: 14249

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#



#61

1,2,3-Trichloropropane

Concen: 0.980 ug/L

RT: 11.809 min Scan# 3256

Delta R.T. 0.987 min

Lab File: VU052204.D

Acq: 07 Dec 2022 18:22

Tgt Ion: 75 Resp: 8861

Ion Ratio Lower Upper

75 100

110 1.9 28.3 42.5#

77 31.4 26.2 39.2

