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 Data File : VU052045.D
 Acq On : 22 Nov 2022 17:01
 Operator : JC/MD
 Sample : N5684-15
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

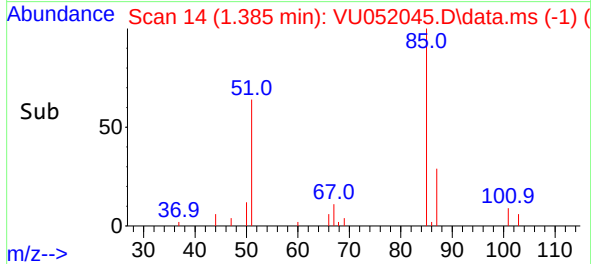
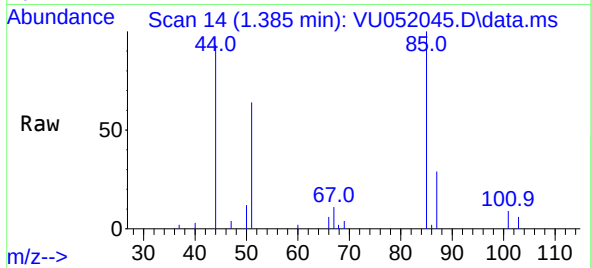
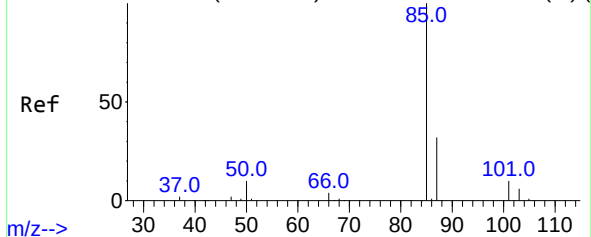
Quant Time: Nov 23 00:49:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 19 21:39:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	218674	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	220826	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.813	152	80513	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.598	65	101220	4.759	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.200%
7) Chloroethane-d5	1.913	69	84974	5.143	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.565	65	34858	4.572	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	91.400%
20) 2-Butanone-d5	4.617	46	197291	51.171	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.340%
24) Chloroform-d	5.060	84	157173	5.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.600%
26) 1,2-Dichloroethane-d4	5.700	65	82351	5.217	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.400%
32) Benzene-d6	5.726	84	330997	5.049	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.000%
36) 1,2-Dichloropropane-d6	6.687	67	109484	5.396	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.000%
41) Toluene-d8	7.896	98	262670	4.428	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.600%
43) trans-1,3-Dichloroprop...	8.179	79	29640	4.009	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	80.200%
46) 2-Hexanone-d5	8.629	63	145439	46.418	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.840%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	86951	4.943	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	86329	5.600	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	7594	0.400	ug/L	94
9) Trichlorofluoromethane	2.138	101	9086	0.347	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	2127	0.133	ug/L #	72
12) 1,1-Dichloroethene	2.575	96	6817	0.430	ug/L #	1
19) 1,1-Dichloroethane	3.868	63	18150	0.592	ug/L	100
22) cis-1,2-Dichloroethene	4.665	96	13113	0.735	ug/L	99
25) Chloroform	5.089	83	18537	0.597	ug/L	99
29) 1,1,1-Trichloroethane	5.311	97	1835	0.075	ug/L	97
34) Trichloroethene	6.539	95	120317	6.712	ug/L	99
35) Methylcyclohexane	6.687	83	24220	0.939	ug/L #	19
37) 1,2-Dichloropropane	6.687	63	11098	0.596	ug/L #	88
47) Tetrachloroethene	8.552	164	46033	3.351	ug/L	95
49) Dibromochloromethane	8.552	129	43200	2.758	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	10183	1.105	ug/L #	68

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

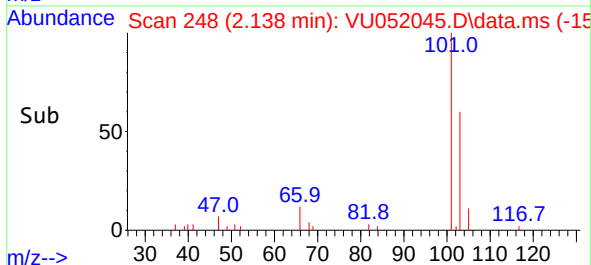
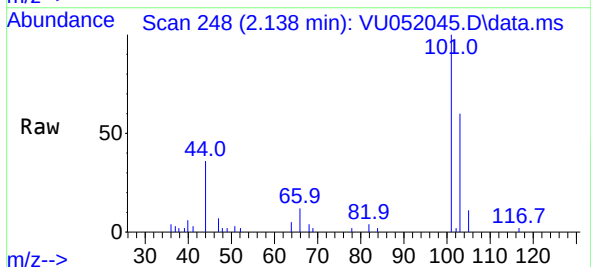
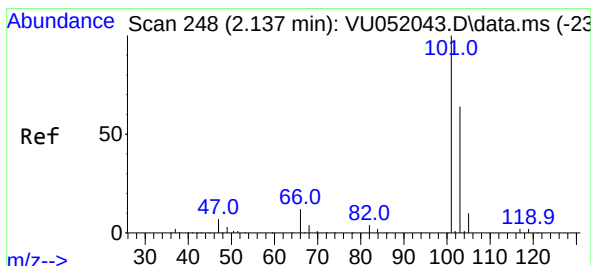
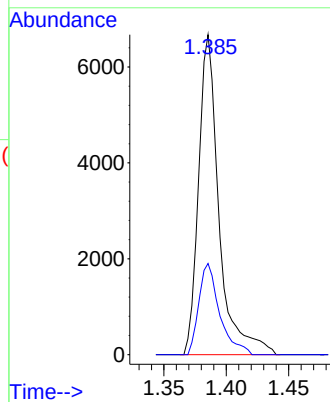
Abundance Scan 14 (1.385 min): VU052043.D\data.ms (-5) (



#2
Dichlorodifluoromethane
Concen: 0.400 ug/L
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

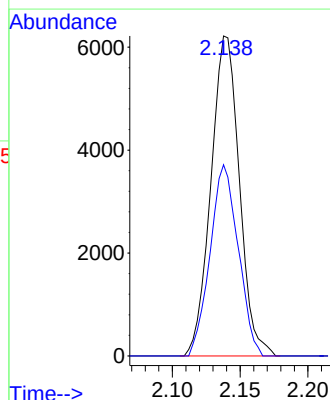
Instrument :
MSVOA_U
ClientSampleId :

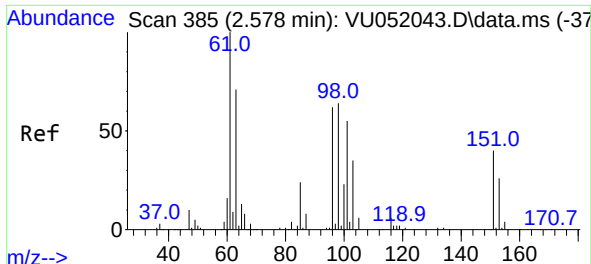
Tgt Ion: 85 Resp: 7594
Ion Ratio Lower Upper
85 100
87 29.0 25.8 38.8



#9
Trichlorofluoromethane
Concen: 0.347 ug/L
RT: 2.138 min Scan# 248
Delta R.T. 0.004 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

Tgt Ion:101 Resp: 9086
Ion Ratio Lower Upper
101 100
103 58.9 51.6 77.4

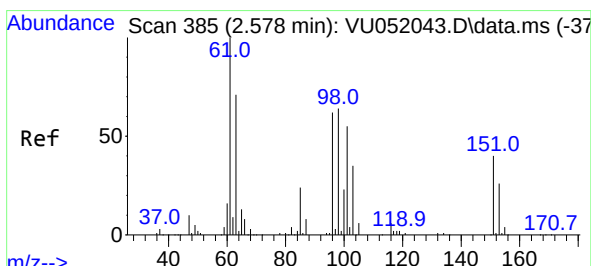
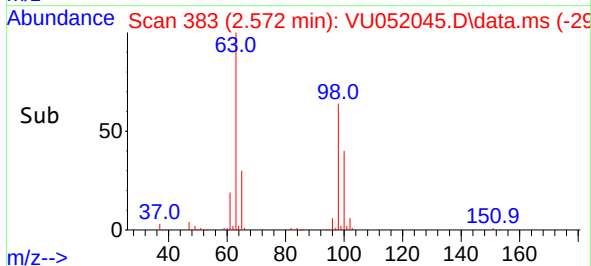
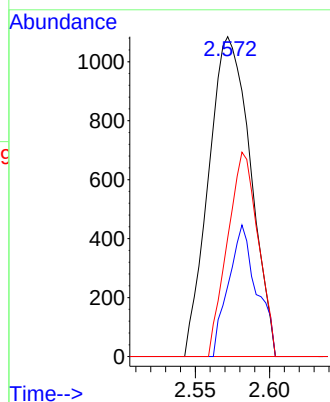
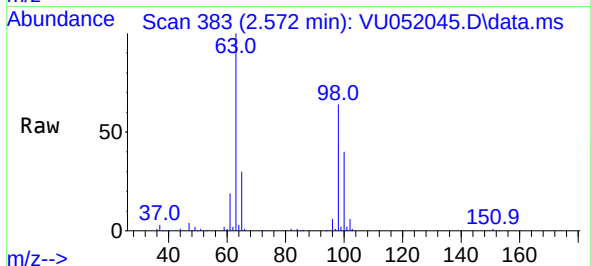




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.133 ug/L
 RT: 2.572 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VU052045.D
 Acq: 22 Nov 2022 17:01

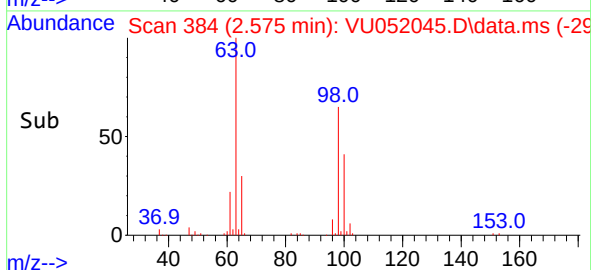
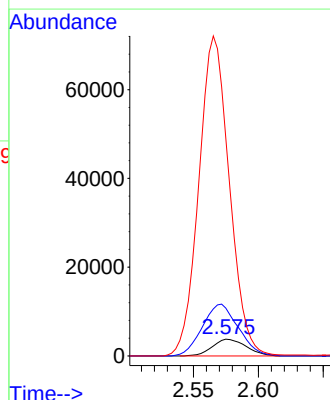
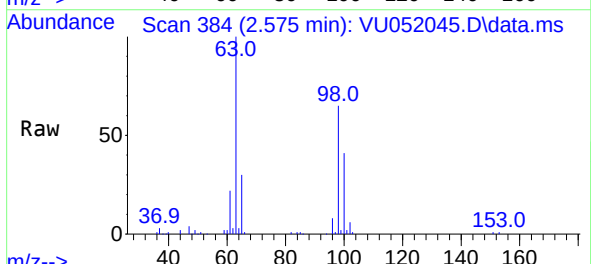
Instrument :
 MSVOA_U
 ClientSampleId :

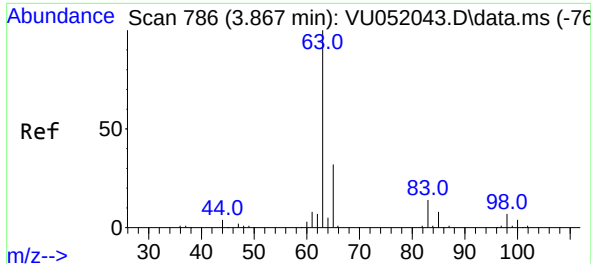
Tgt Ion:101 Resp: 2127
 Ion Ratio Lower Upper
 101 100
 85 27.8 33.8 50.6#
 151 47.0 58.6 88.0#



#12
 1,1-Dichloroethene
 Concen: 0.430 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052045.D
 Acq: 22 Nov 2022 17:01

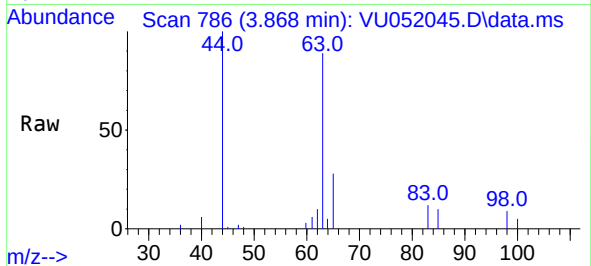
Tgt Ion: 96 Resp: 6817
 Ion Ratio Lower Upper
 96 100
 61 283.8 114.8 213.2#
 63 1293.2 93.7 174.1#



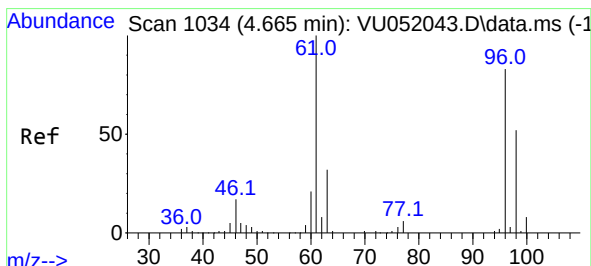
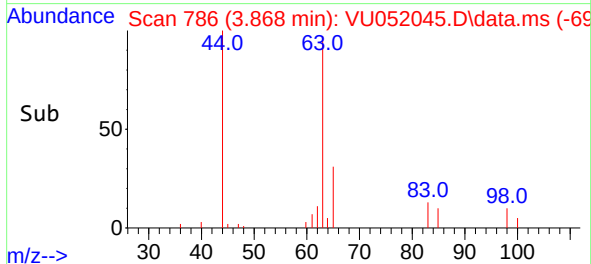
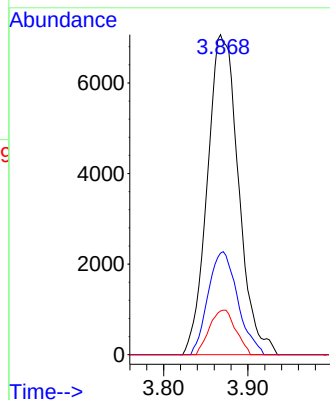


#19
1,1-Dichloroethane
Concen: 0.592 ug/L
RT: 3.868 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

Instrument :
MSVOA_U
ClientSampleId :

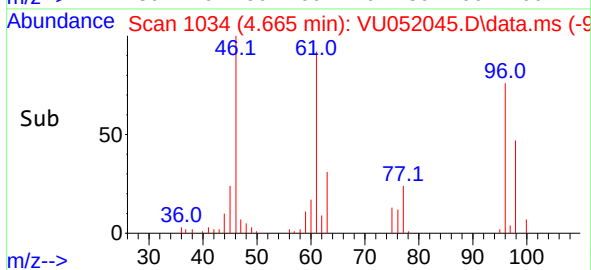
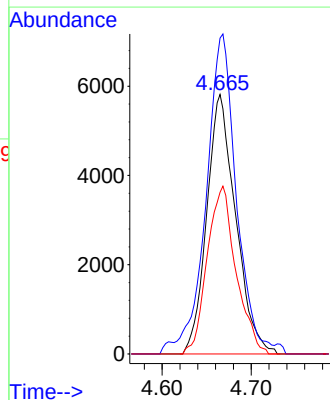
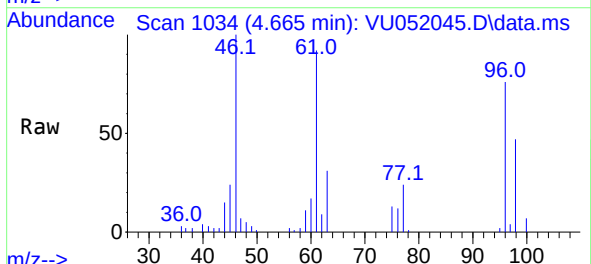


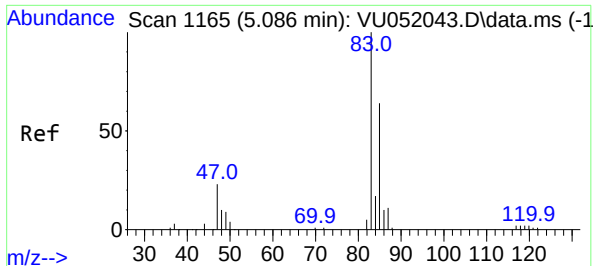
Tgt Ion: 63 Resp: 18150
Ion Ratio Lower Upper
63 100
65 31.7 22.2 41.2
83 13.6 9.2 17.0



#22
cis-1,2-Dichloroethene
Concen: 0.735 ug/L
RT: 4.665 min Scan# 1034
Delta R.T. 0.000 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

Tgt Ion: 96 Resp: 13113
Ion Ratio Lower Upper
96 100
61 121.7 85.1 158.1
98 62.3 42.8 79.6





#25

Chloroform

Concen: 0.597 ug/L

RT: 5.089 min Scan# 1165

Delta R.T. 0.003 min

Lab File: VU052045.D

Acq: 22 Nov 2022 17:01

Instrument :

MSVOA_U

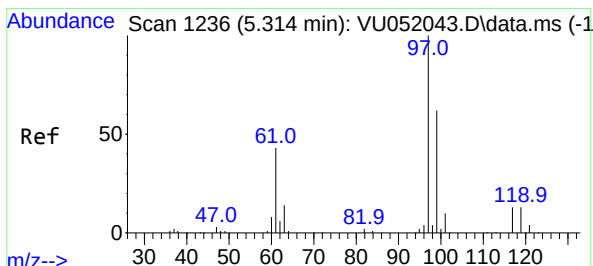
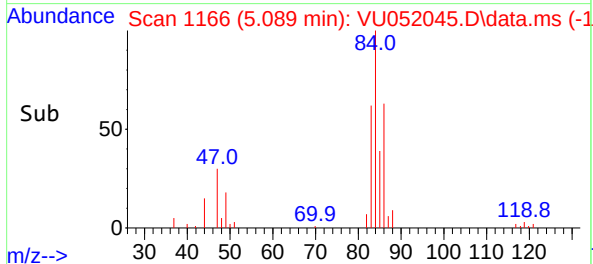
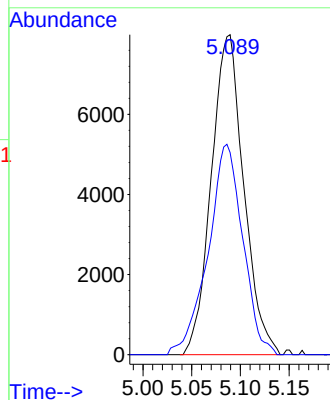
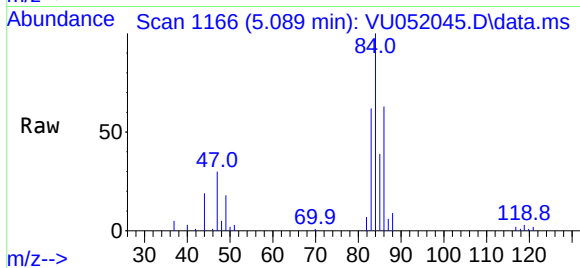
ClientSampleId :

Tgt Ion: 83 Resp: 18537

Ion Ratio Lower Upper

83 100

85 63.1 43.8 81.4



#29

1,1,1-Trichloroethane

Concen: 0.075 ug/L

RT: 5.311 min Scan# 1235

Delta R.T. -0.003 min

Lab File: VU052045.D

Acq: 22 Nov 2022 17:01

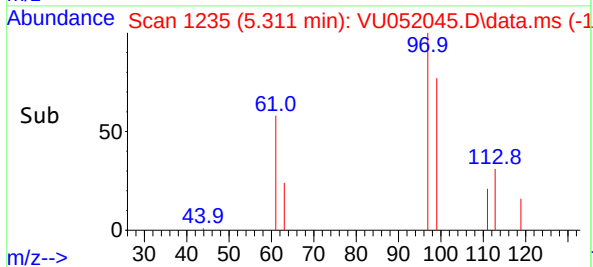
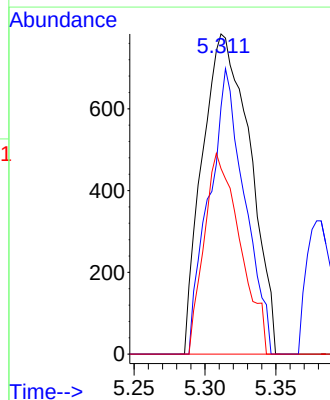
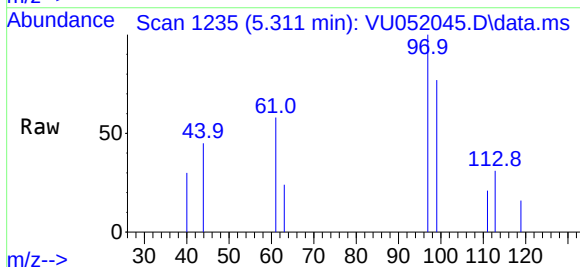
Tgt Ion: 97 Resp: 1835

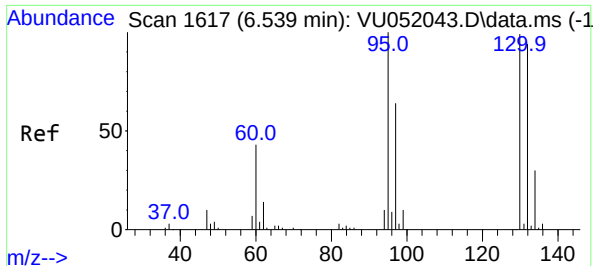
Ion Ratio Lower Upper

97 100

99 66.5 51.0 76.6

61 47.4 36.9 55.3





#34

Trichloroethene

Concen: 6.712 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU052045.D

Acq: 22 Nov 2022 17:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 120317

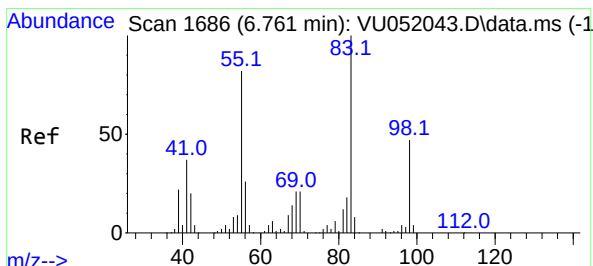
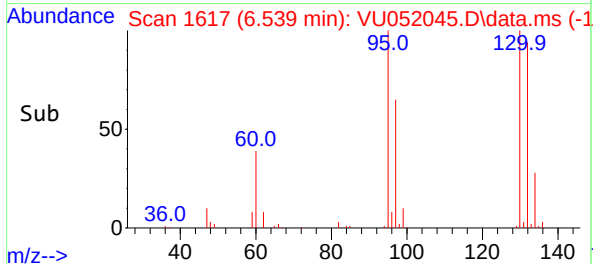
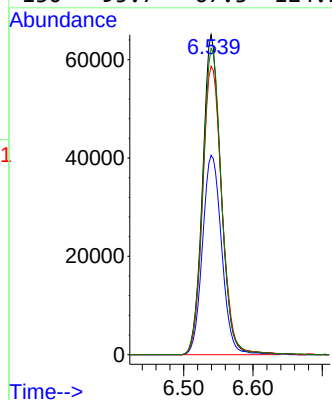
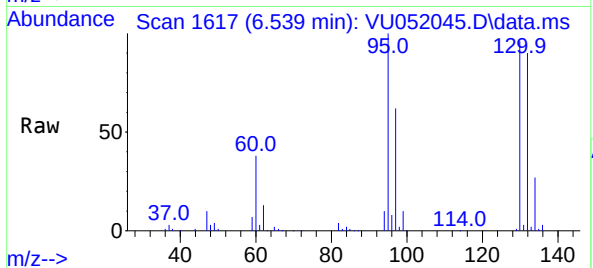
Ion Ratio Lower Upper

95 100

97 62.3 43.7 81.1

132 90.1 64.3 119.3

130 95.7 67.3 124.9



#35

Methylcyclohexane

Concen: 0.939 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU052045.D

Acq: 22 Nov 2022 17:01

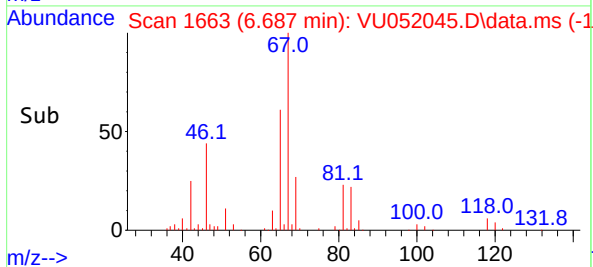
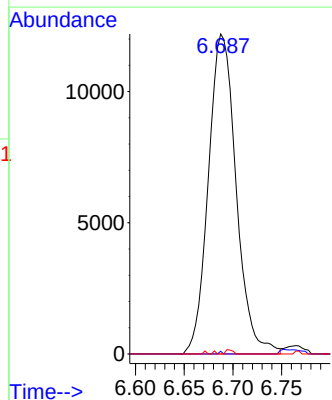
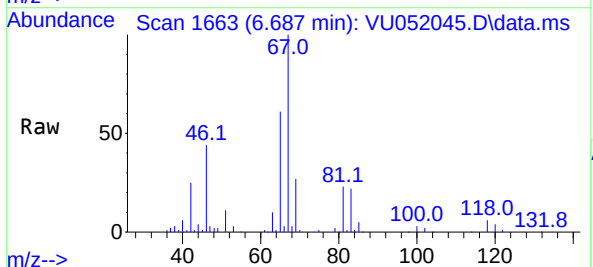
Tgt Ion: 83 Resp: 24220

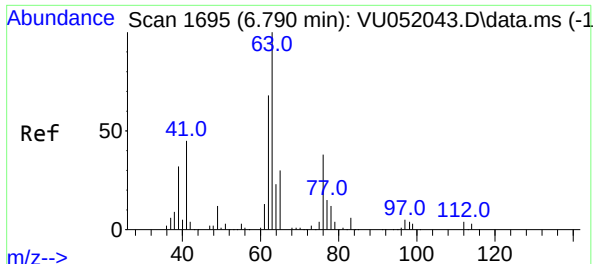
Ion Ratio Lower Upper

83 100

55 0.1 60.8 91.2#

98 0.0 35.1 52.7#

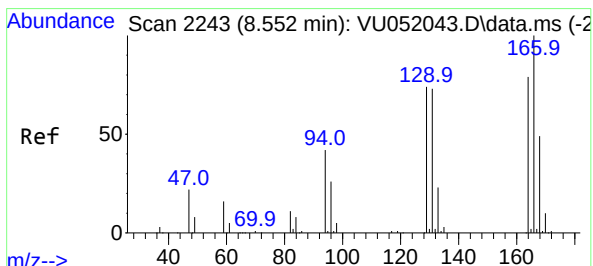
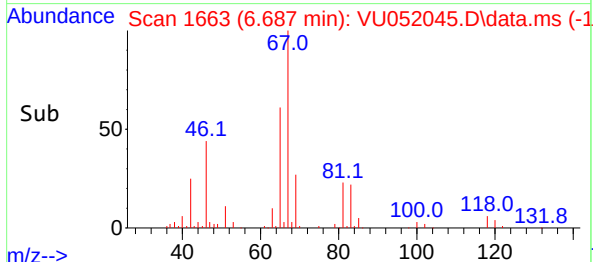
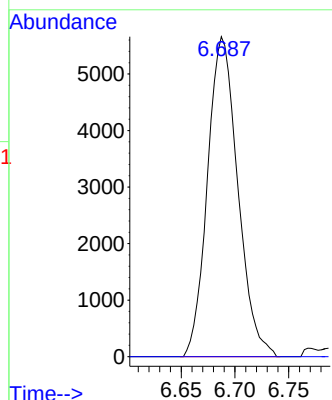
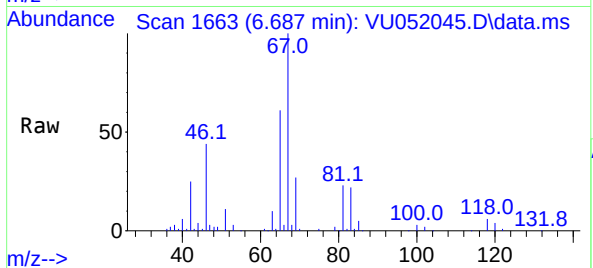




#37
1,2-Dichloropropane
Concen: 0.596 ug/L
RT: 6.687 min Scan# 11098
Delta R.T. -0.099 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

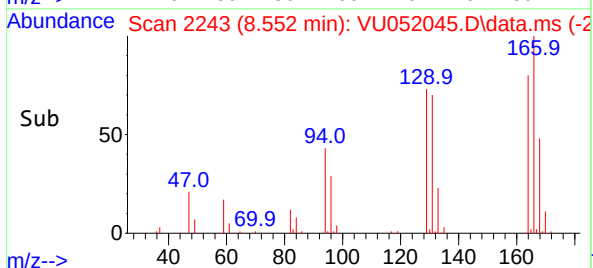
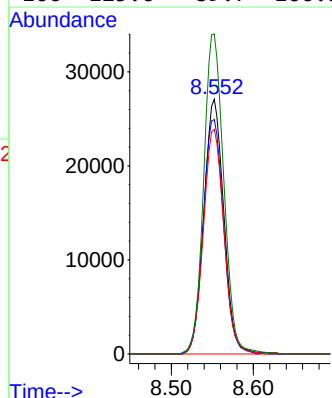
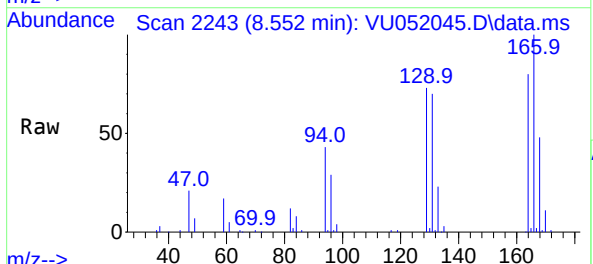
Instrument :
MSVOA_U
ClientSampleId :

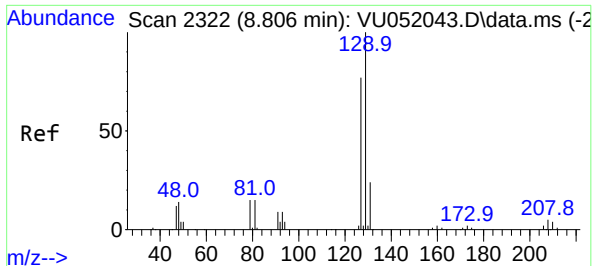
Tgt Ion: 63 Resp: 11098
Ion Ratio Lower Upper
63 100
112 0.0 3.3 4.9#



#47
Tetrachloroethene
Concen: 3.351 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

Tgt Ion: 164 Resp: 46033
Ion Ratio Lower Upper
164 100
129 92.0 67.4 125.2
131 88.2 67.1 124.7
166 125.6 89.7 166.5

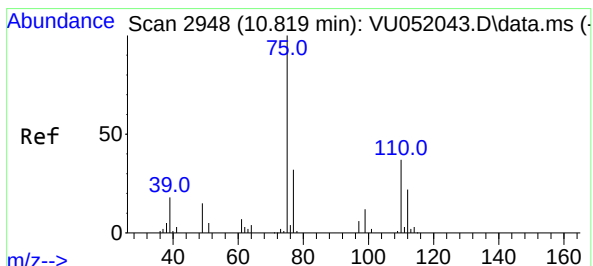
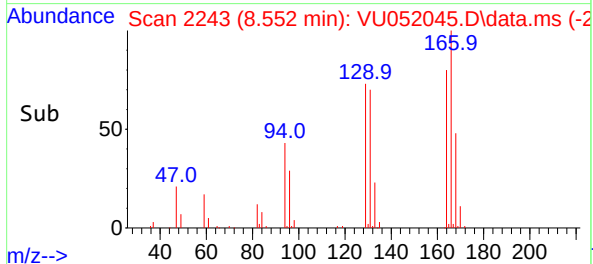
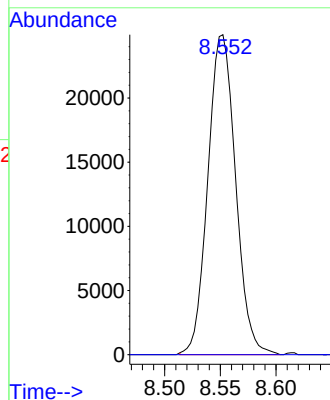
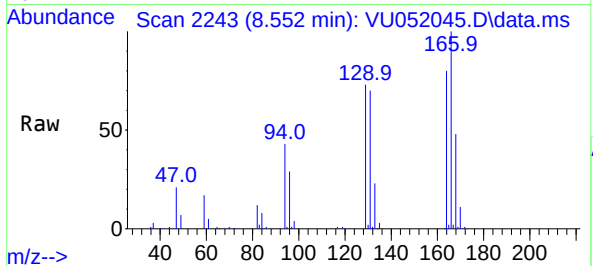




#49
Dibromochloromethane
Concen: 2.758 ug/L
RT: 8.552 min Scan# 21
Delta R.T. -0.254 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:129 Resp: 43200
Ion Ratio Lower Upper
129 100
127 0.0 52.8 98.2#



#61
1,2,3-Trichloropropane
Concen: 1.105 ug/L
RT: 11.809 min Scan# 3256
Delta R.T. 0.991 min
Lab File: VU052045.D
Acq: 22 Nov 2022 17:01

Tgt Ion: 75 Resp: 10183
Ion Ratio Lower Upper
75 100
110 0.6 28.3 42.5#
77 33.5 26.2 39.2

