

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111922\
 Data File : VU051964.D
 Acq On : 19 Nov 2022 19:38
 Operator : JC/MD
 Sample : N5684-13
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 69 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J3

Quant Time: Nov 19 23:06:29 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)

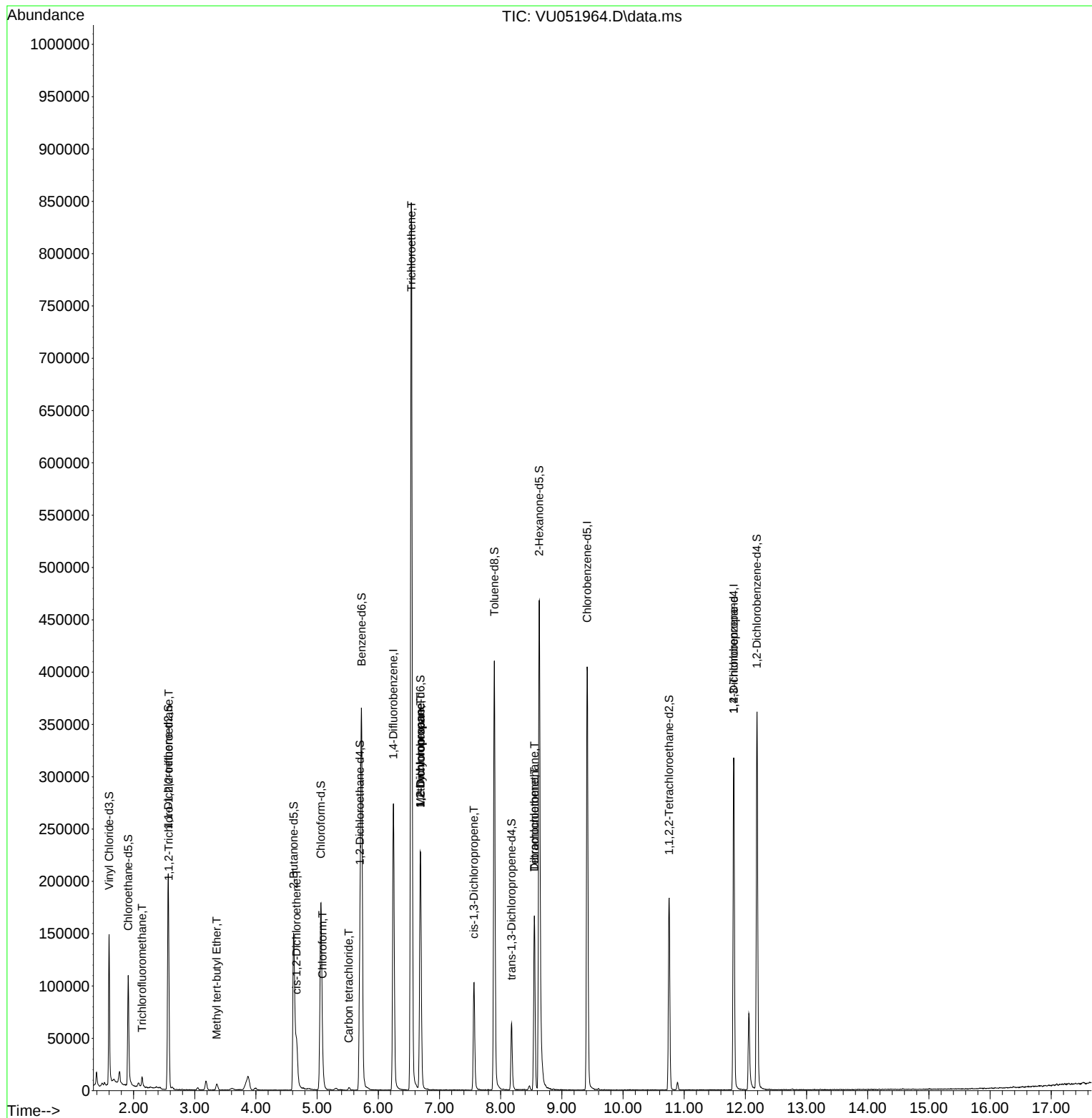
Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	225388	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	239412	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	87790	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	109709	5.004	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.000%
7) Chloroethane-d5	1.912	69	87529	5.140	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.800%
11) 1,1-Dichloroethene-d2	2.565	65	38658	4.919	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.400%
20) 2-Butanone-d5	4.616	46	214265	53.918	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.840%
24) Chloroform-d	5.060	84	168642	5.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.800%
26) 1,2-Dichloroethane-d4	5.700	65	90508	5.563	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.200%
32) Benzene-d6	5.726	84	357113	5.024	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.687	67	115016	5.229	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.600%
41) Toluene-d8	7.896	98	288641	4.488	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.800%
43) trans-1,3-Dichloroprop...	8.176	79	36905	4.604	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.629	63	162643	47.879	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.760%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	97061	5.089	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	12.188	152	99523	5.921	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	118.400%
Target Compounds						Qvalue
9) Trichlorofluoromethane	2.137	101	6062	0.225	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	1644	0.100	ug/L #	43
17) Methyl tert-butyl Ether	3.359	73	5409	0.148	ug/L #	93
22) cis-1,2-Dichloroethene	4.665	96	19422	1.056	ug/L	94
25) Chloroform	5.086	83	15455	0.483	ug/L	96
31) Carbon tetrachloride	5.517	117	1560	0.069	ug/L	87
34) Trichloroethene	6.539	95	303461	15.615	ug/L	99
35) Methylcyclohexane	6.687	83	26042	0.932	ug/L #	19
37) 1,2-Dichloropropane	6.690	63	11651	0.578	ug/L #	89
39) cis-1,3-Dichloropropene	7.562	75	2369	0.091	ug/L #	69
47) Tetrachloroethene	8.552	164	37684	2.530	ug/L	99
49) Dibromochloromethane	8.552	129	36906	2.174	ug/L #	12
61) 1,2,3-Trichloropropane	11.809	75	10390	1.034	ug/L #	69

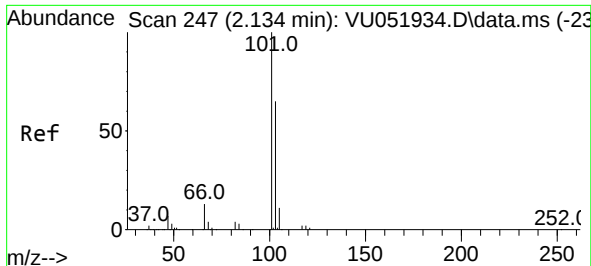
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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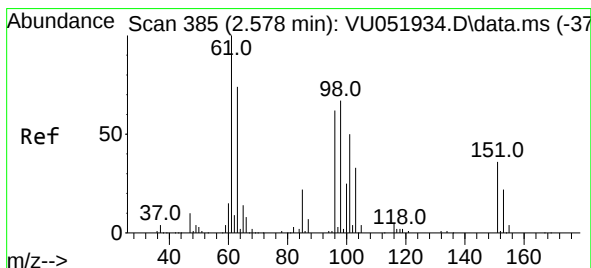
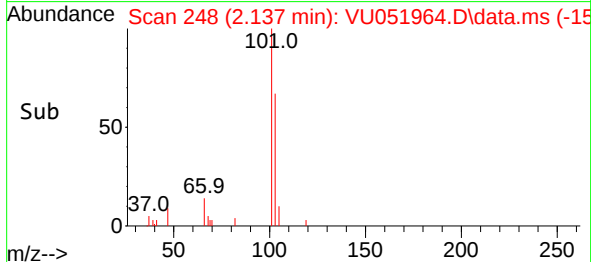
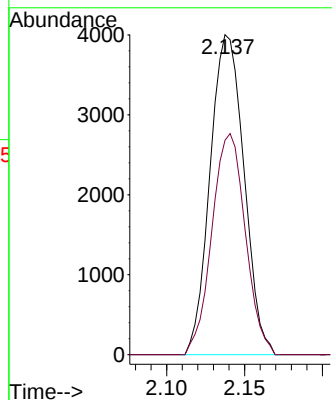
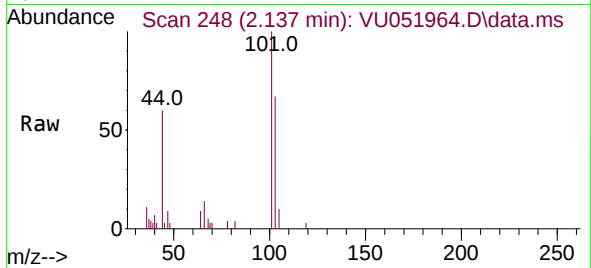




#9
 Trichlorofluoromethane
 Concen: 0.225 ug/L
 RT: 2.137 min Scan# 24
 Delta R.T. 0.003 min
 Lab File: VU051964.D
 Acq: 19 Nov 2022 19:38

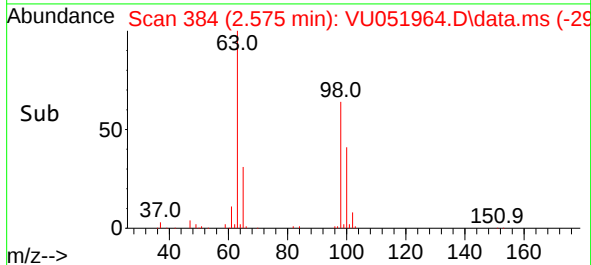
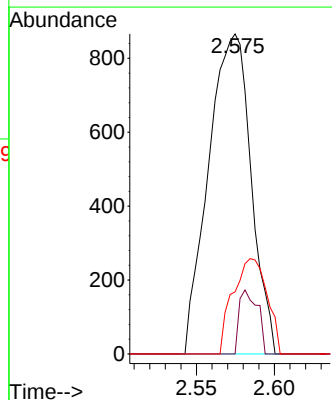
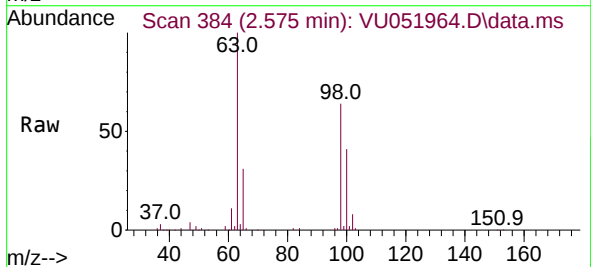
Instrument :
 MSVOA_U
 ClientSampleId :
 BH1J3

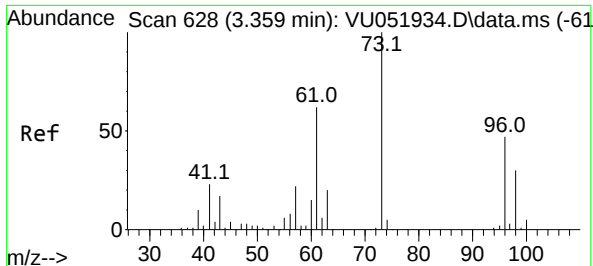
Tgt Ion:101 Resp: 6062
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.6 77.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.100 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU051964.D
 Acq: 19 Nov 2022 19:38

Tgt Ion:101 Resp: 1644
 Ion Ratio Lower Upper
 101 100
 85 8.6 33.8 50.6#
 151 23.8 58.6 88.0#





#17

Methyl tert-butyl Ether

Concen: 0.148 ug/L

RT: 3.359 min Scan# 61

Delta R.T. 0.000 min

Lab File: VU051964.D

Acq: 19 Nov 2022 19:38

Instrument :

MSVOA_U

ClientSampleId :

BH1J3

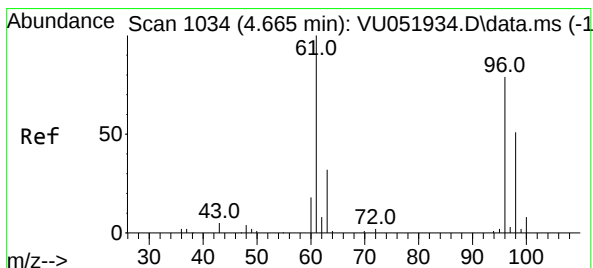
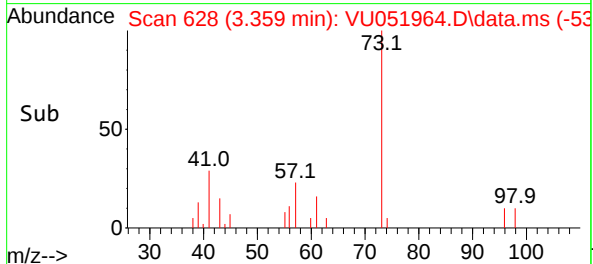
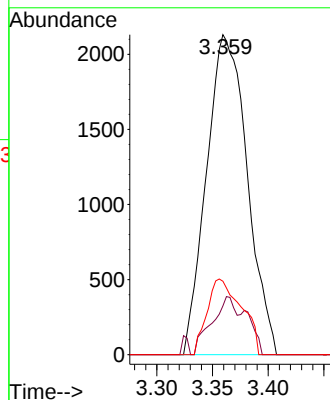
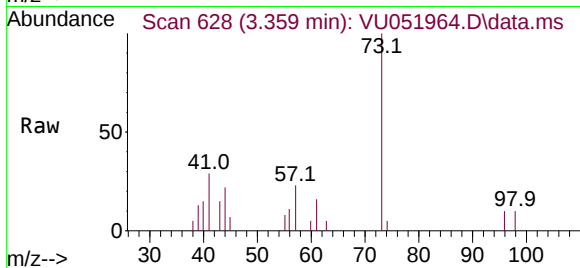
Tgt Ion: 73 Resp: 5409

Ion Ratio Lower Upper

73 100

43 11.7 13.2 19.8#

57 20.1 17.8 26.8



#22

cis-1,2-Dichloroethene

Concen: 1.056 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. 0.000 min

Lab File: VU051964.D

Acq: 19 Nov 2022 19:38

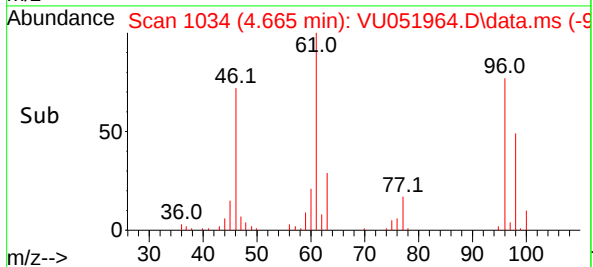
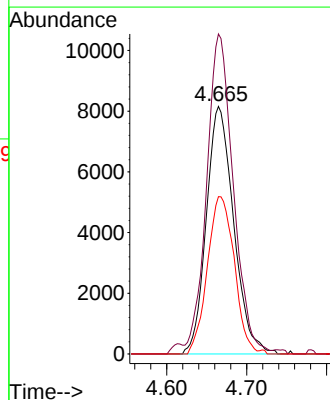
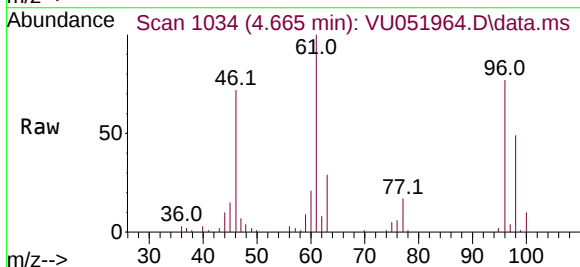
Tgt Ion: 96 Resp: 19422

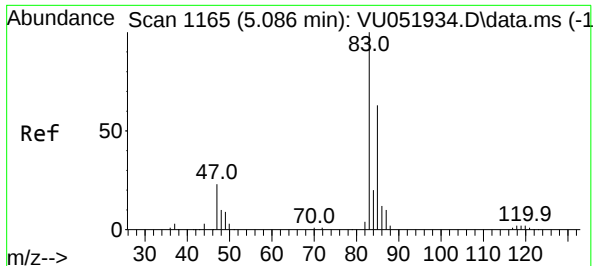
Ion Ratio Lower Upper

96 100

61 129.2 85.1 158.1

98 63.5 42.8 79.6





#25

Chloroform

Concen: 0.483 ug/L

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU051964.D

Acq: 19 Nov 2022 19:38

Instrument :

MSVOA_U

ClientSampleId :

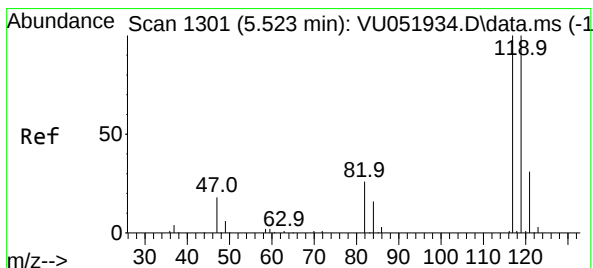
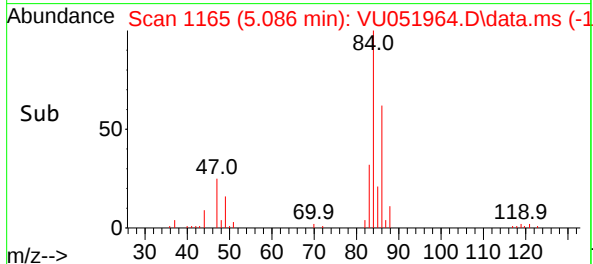
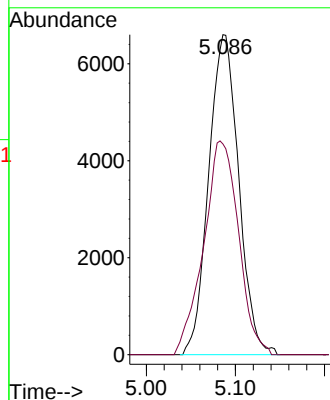
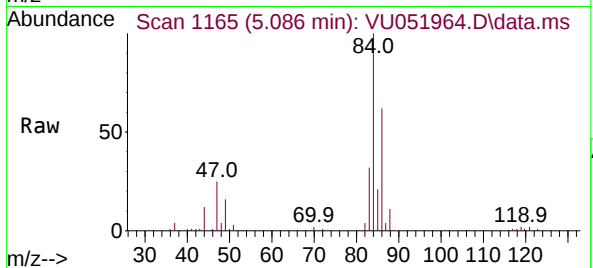
BH1J3

Tgt Ion: 83 Resp: 15455

Ion Ratio Lower Upper

83 100

85 65.9 43.8 81.4



#31

Carbon tetrachloride

Concen: 0.069 ug/L

RT: 5.517 min Scan# 1299

Delta R.T. -0.006 min

Lab File: VU051964.D

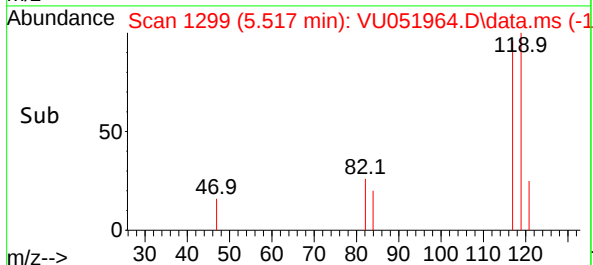
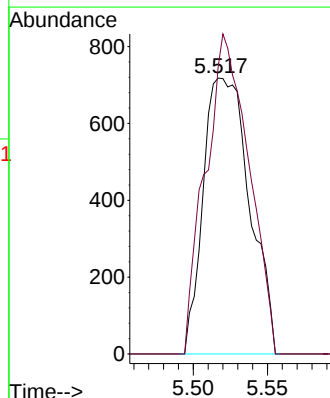
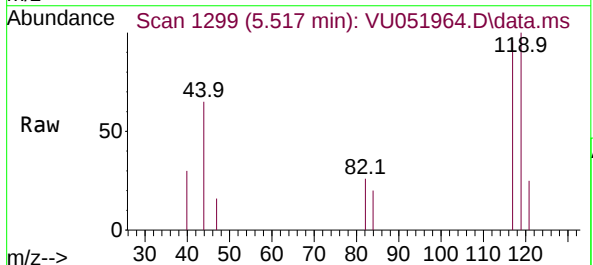
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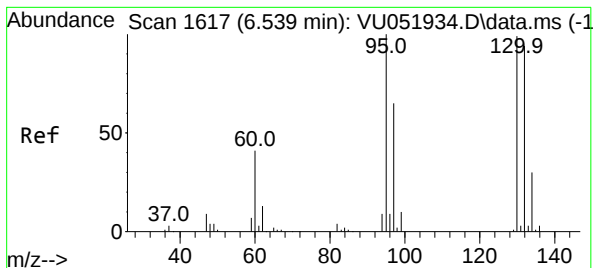
Tgt Ion: 117 Resp: 1560

Ion Ratio Lower Upper

117 100

119 108.8 77.2 115.8





#34

Trichloroethene

Concen: 15.615 ug/L

RT: 6.539 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU051964.D

Acq: 19 Nov 2022 19:38

Instrument :

MSVOA_U

ClientSampleId :

BH1J3

Tgt Ion: 95 Resp: 303461

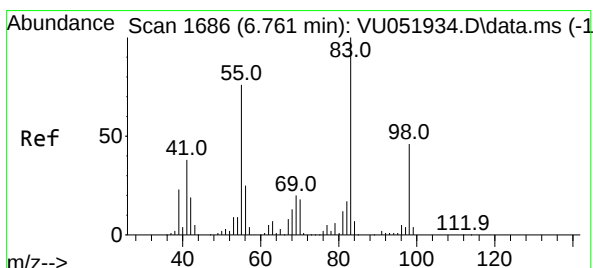
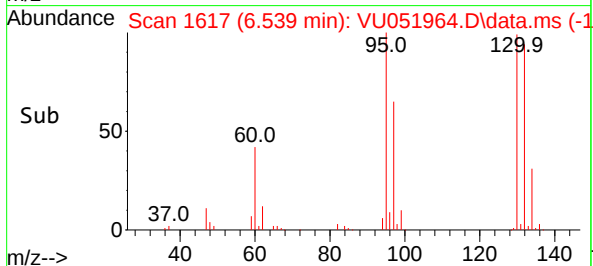
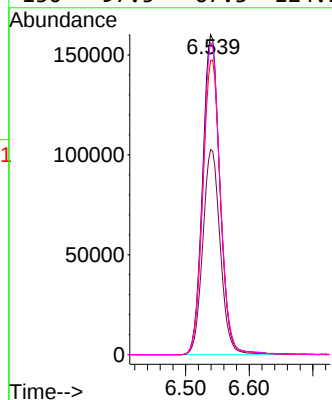
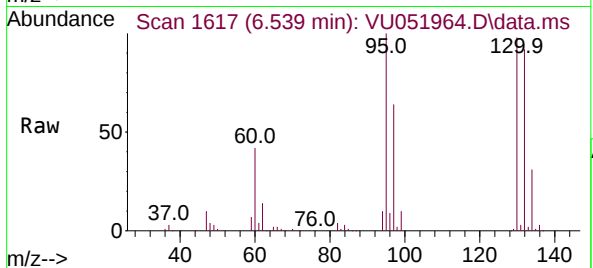
Ion Ratio Lower Upper

95 100

97 64.1 43.7 81.1

132 91.9 64.3 119.3

130 97.5 67.3 124.9



#35

Methylcyclohexane

Concen: 0.932 ug/L

RT: 6.687 min Scan# 1663

Delta R.T. -0.074 min

Lab File: VU051964.D

Acq: 19 Nov 2022 19:38

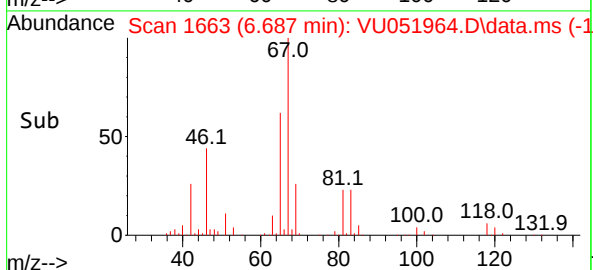
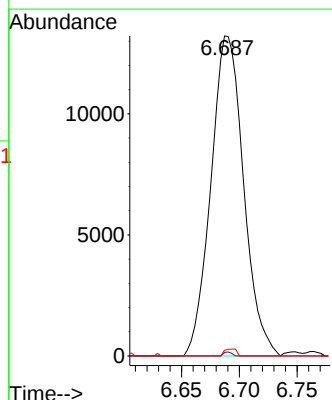
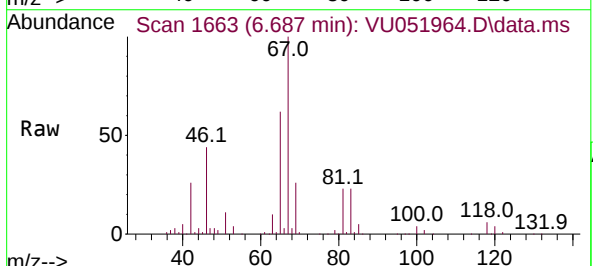
Tgt Ion: 83 Resp: 26042

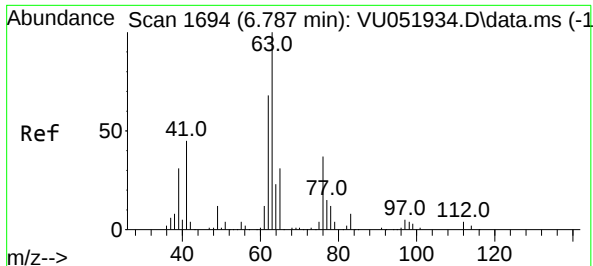
Ion Ratio Lower Upper

83 100

55 0.3 60.8 91.2#

98 0.0 35.1 52.7#





#37

1,2-Dichloropropane

Concen: 0.578 ug/L

RT: 6.690 min Scan# 1

Delta R.T. -0.096 min

Lab File: VU051964.D

Acq: 19 Nov 2022 19:38

Instrument :

MSVOA_U

ClientSampleId :

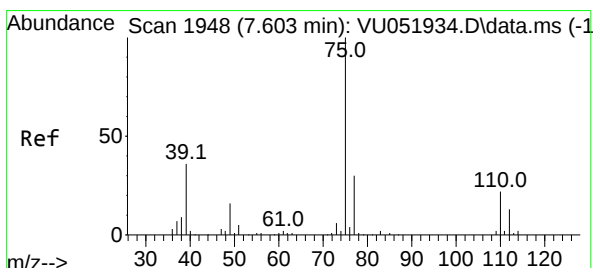
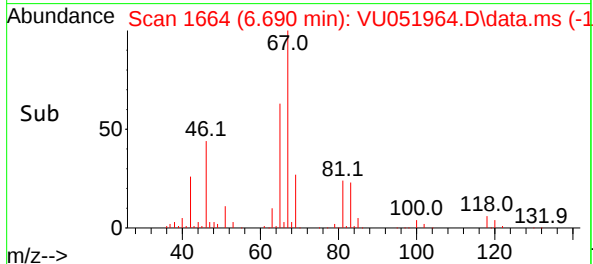
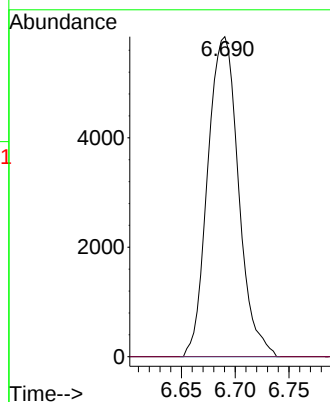
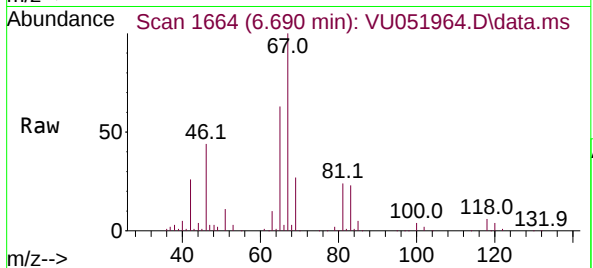
BH1J3

Tgt Ion: 63 Resp: 11651

Ion Ratio Lower Upper

63 100

112 0.5 3.3 4.9#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 7.562 min Scan# 1935

Delta R.T. -0.042 min

Lab File: VU051964.D

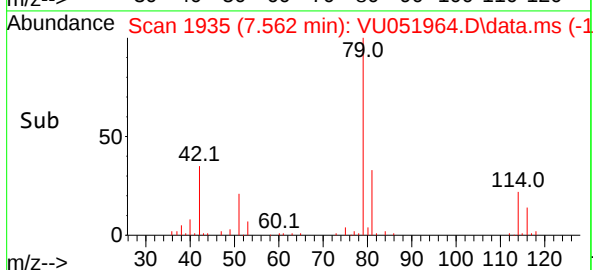
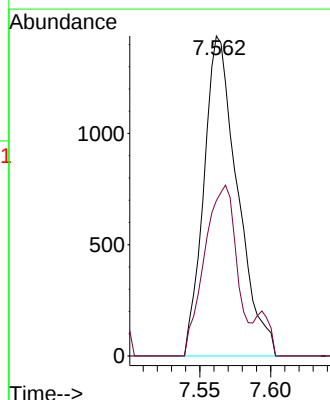
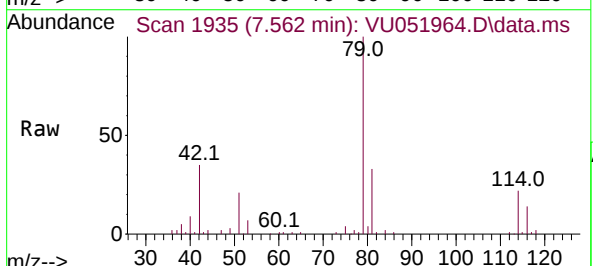
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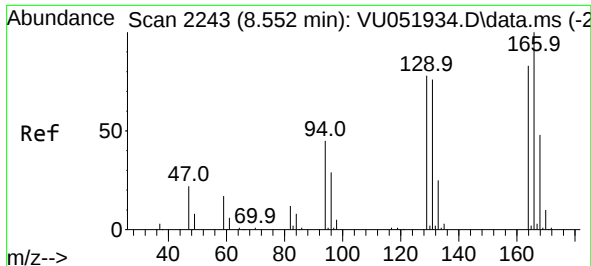
Tgt Ion: 75 Resp: 2369

Ion Ratio Lower Upper

75 100

77 48.5 22.0 40.8#

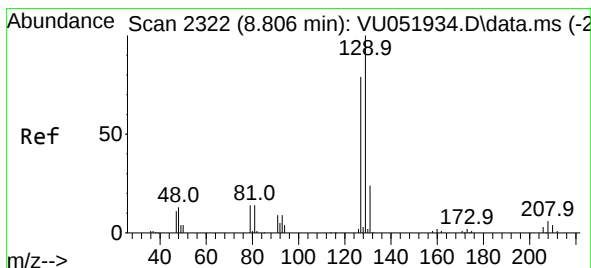
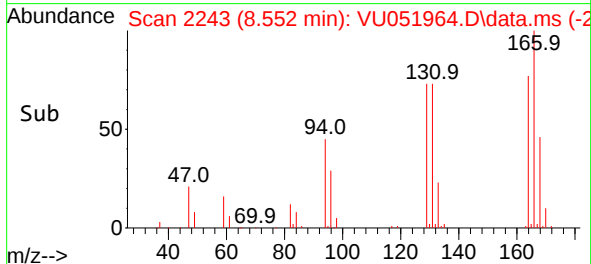
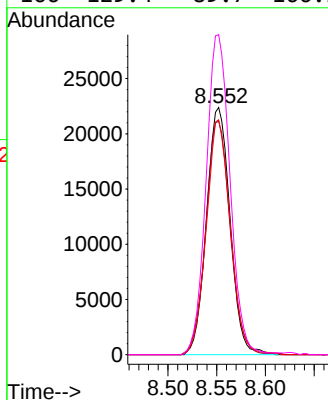
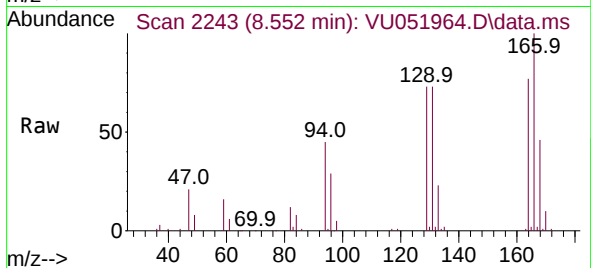




#47
Tetrachloroethene
Concen: 2.530 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU051964.D
Acq: 19 Nov 2022 19:38

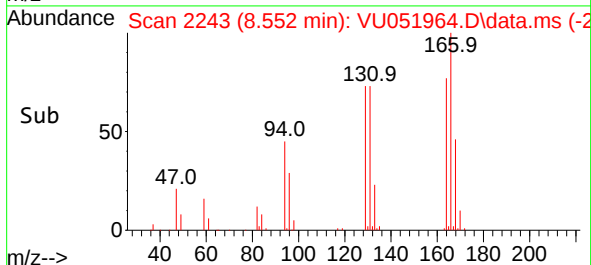
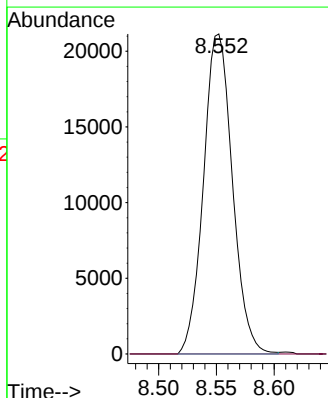
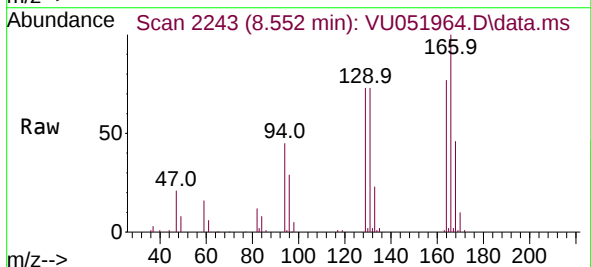
Instrument :
MSVOA_U
ClientSampleId :
BH1J3

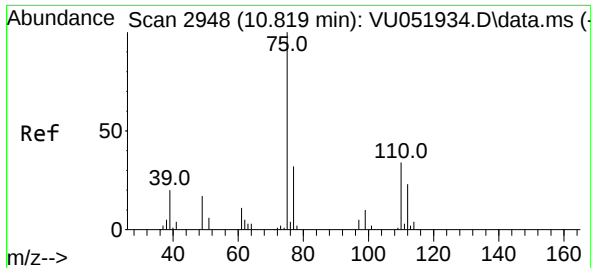
Tgt Ion:164	Resp:	37684	
Ion	Ratio	Lower	Upper
164	100		
129	94.5	67.4	125.2
131	95.0	67.1	124.7
166	129.4	89.7	166.5



#49
Dibromochloromethane
Concen: 2.174 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.254 min
Lab File: VU051964.D
Acq: 19 Nov 2022 19:38

Tgt Ion:129	Resp:	36906	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.8	98.2#





#61

1,2,3-Trichloropropane

Concen: 1.034 ug/L

RT: 11.809 min Scan# 31

Delta R.T. 0.990 min

Lab File: VU051964.D

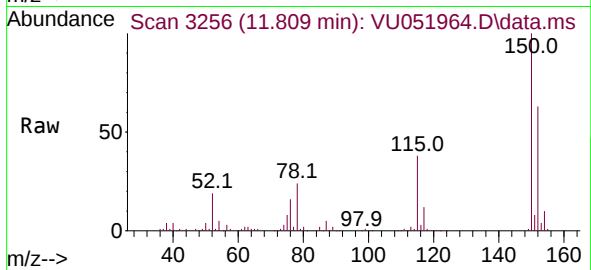
Acq: 19 Nov 2022 19:38

Instrument :

MSVOA_U

ClientSampleId :

BH1J3



Tgt Ion:	75	Resp:	10390
Ion	Ratio	Lower	Upper
75	100		
110	1.5	28.3	42.5#
77	31.6	26.2	39.2

