

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091223\
 Data File : VU055246.D
 Acq On : 12 Sep 2023 14:24
 Operator : MD/SY
 Sample : 04307-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H6

Quant Time: Sep 13 01:46:39 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 13 01:44:08 2023
 Response via : Initial Calibration

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

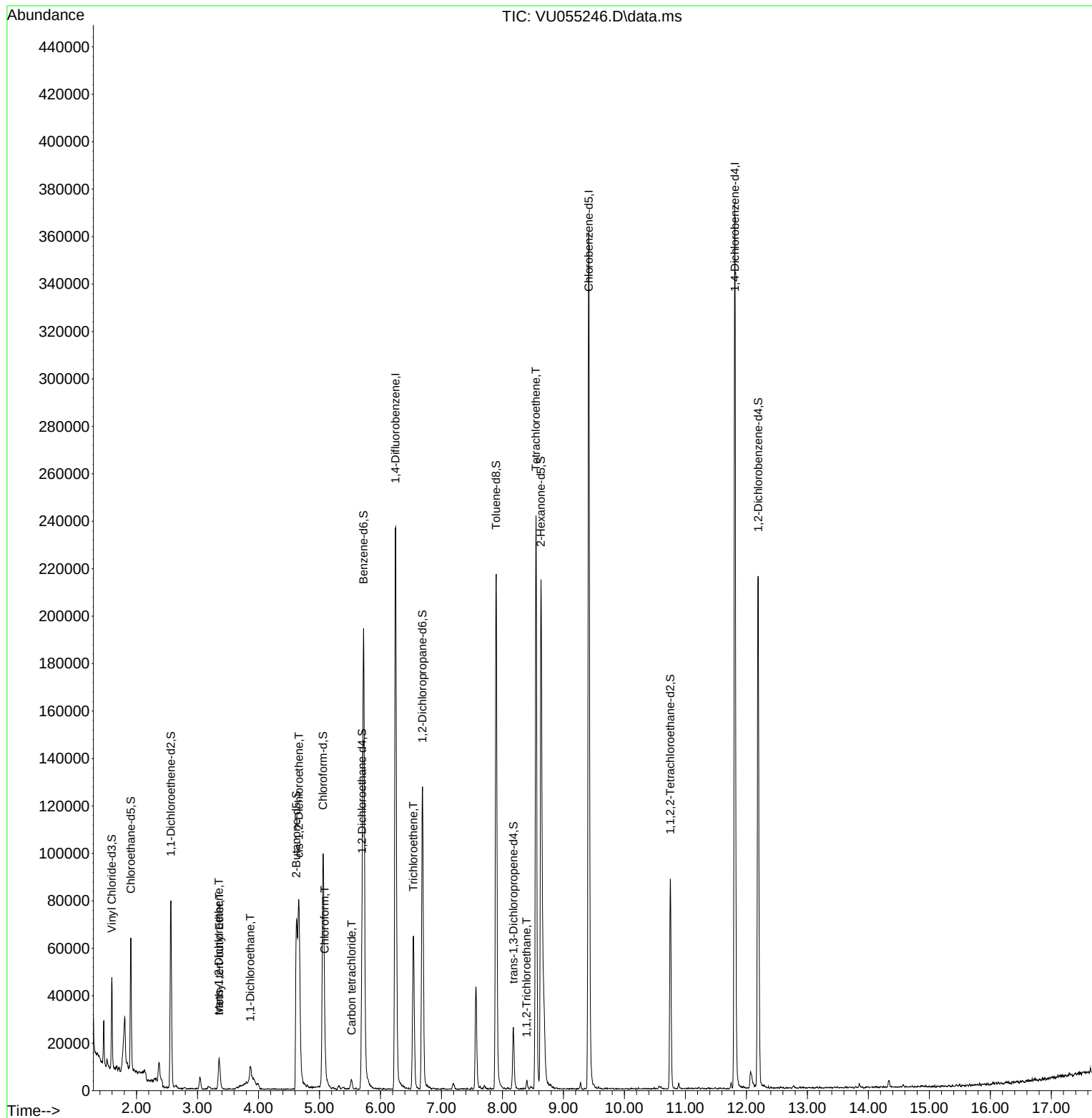
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	194500	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	200337	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	97398	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	26077	2.861	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	57.200%
7) Chloroethane-d5	1.907	69	39980	3.789	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.800%
11) 1,1-Dichloroethene-d2	2.563	65	14736	2.837	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.800%#
20) 2-Butanone-d5	4.621	46	108037	40.840	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.680%
24) Chloroform-d	5.058	84	89909	3.717	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
26) 1,2-Dichloroethane-d4	5.698	65	48640	4.019	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.400%
32) Benzene-d6	5.724	84	178786	3.615	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.400%
36) 1,2-Dichloropropane-d6	6.689	67	62759	3.990	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.800%
41) Toluene-d8	7.898	98	150867	3.312	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.200%#
43) trans-1,3-Dichloroprop...	8.180	79	13732	3.170	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.400%
46) 2-Hexanone-d5	8.631	63	67534	38.405	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	76.800%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	43734	3.954	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	55992	3.939	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	78.800%#
Target Compounds						
					Qvalue	
17) Methyl tert-butyl Ether	3.357	73	6247	0.265	ug/L #	95
18) trans-1,2-Dichloroethene	3.351	96	3595	0.394	ug/L	82
19) 1,1-Dichloroethane	3.866	63	7394	0.375	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	34825	3.118	ug/L	98
25) Chloroform	5.084	83	9010	0.439	ug/L	99
31) Carbon tetrachloride	5.525	117	2964	0.206	ug/L	94
34) Trichloroethene	6.541	95	20421	1.723	ug/L	96
45) 1,1,2-Trichloroethane	8.396	97	1347	0.172	ug/L #	66
47) Tetrachloroethene	8.550	164	49867	6.089	ug/L	96

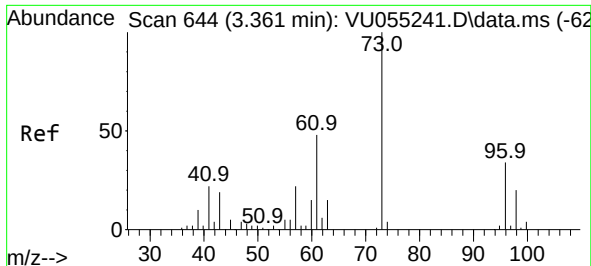
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#17

Methyl tert-butyl Ether

Concen: 0.265 ug/L

RT: 3.357 min Scan# 644

Delta R.T. -0.003 min

Lab File: VU055246.D

Acq: 12 Sep 2023 14:24

Instrument :

MSVOA_U

ClientSampleId :

BH4H6

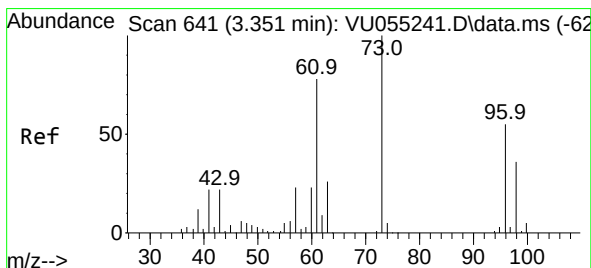
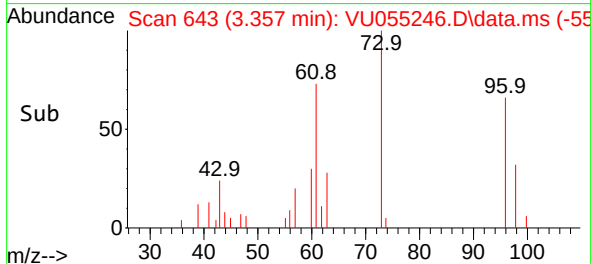
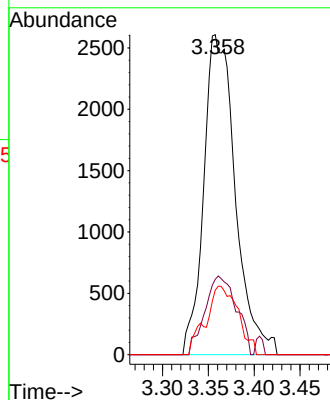
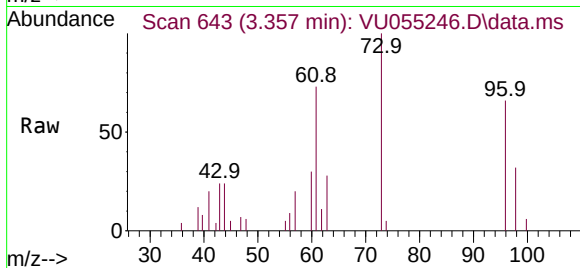
Tgt Ion: 73 Resp: 6247

Ion Ratio Lower Upper

73 100

43 24.5 16.2 24.2#

57 21.9 17.4 26.2



#18

trans-1,2-Dichloroethene

Concen: 0.394 ug/L

RT: 3.351 min Scan# 641

Delta R.T. -0.000 min

Lab File: VU055246.D

Acq: 12 Sep 2023 14:24

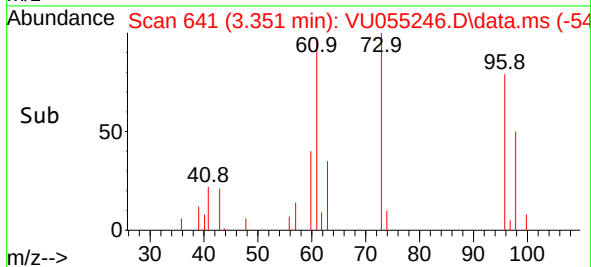
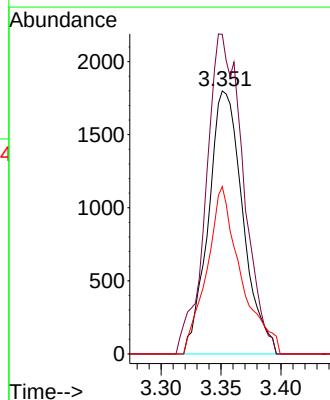
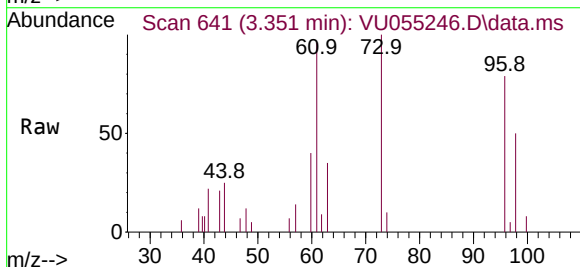
Tgt Ion: 96 Resp: 3595

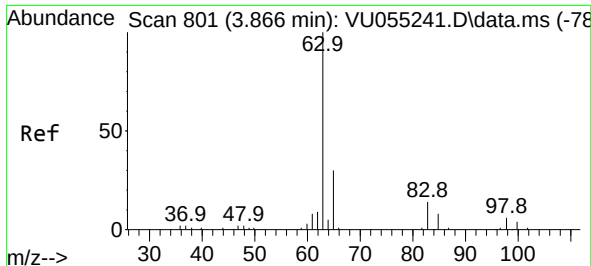
Ion Ratio Lower Upper

96 100

61 121.6 108.1 200.9

98 63.6 45.4 84.4





#19

1,1-Dichloroethane

Concen: 0.375 ug/L

RT: 3.866 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055246.D

Acq: 12 Sep 2023 14:24

Instrument :

MSVOA_U

ClientSampleId :

BH4H6

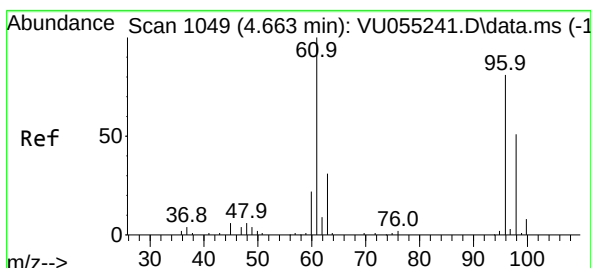
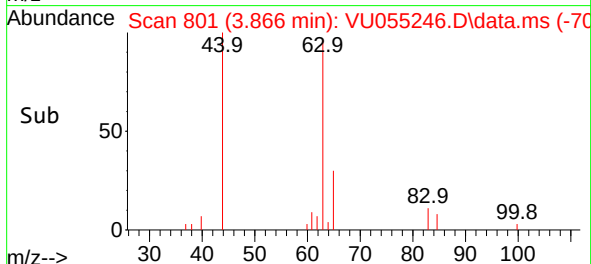
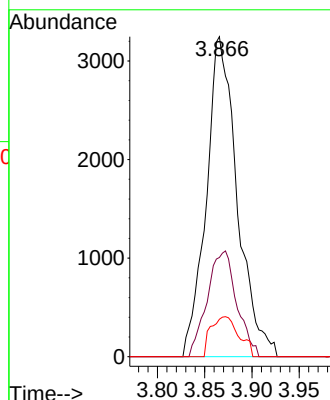
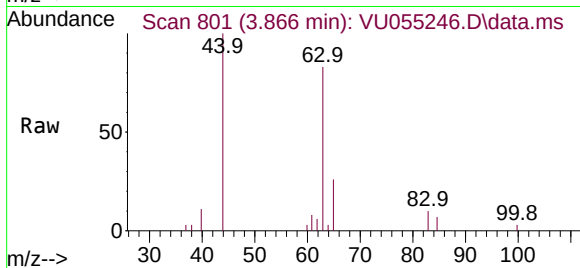
Tgt Ion: 63 Resp: 7394

Ion Ratio Lower Upper

63 100

65 31.0 22.2 41.2

83 11.7 10.6 19.8



#22

cis-1,2-Dichloroethene

Concen: 3.118 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055246.D

Acq: 12 Sep 2023 14:24

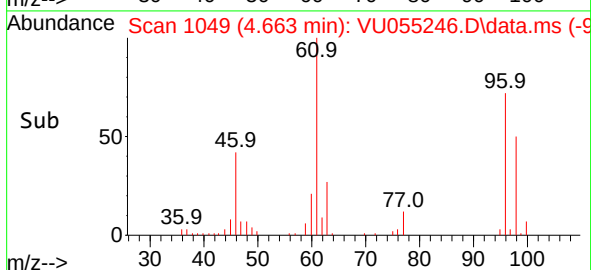
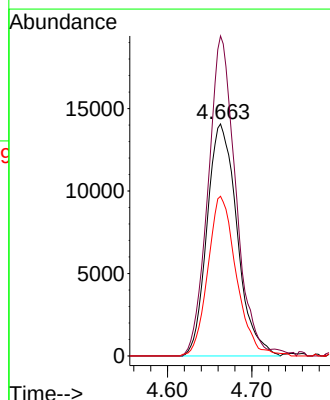
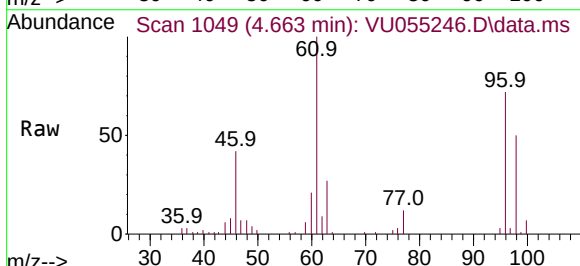
Tgt Ion: 96 Resp: 34825

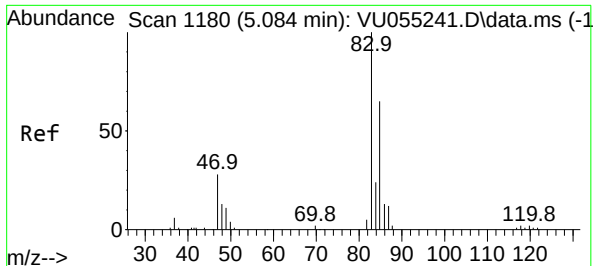
Ion Ratio Lower Upper

96 100

61 138.0 97.2 180.4

98 68.8 46.1 85.7





#25

Chloroform

Concen: 0.439 ug/L

RT: 5.084 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VU055246.D

Acq: 12 Sep 2023 14:24

Instrument :

MSVOA_U

ClientSampleId :

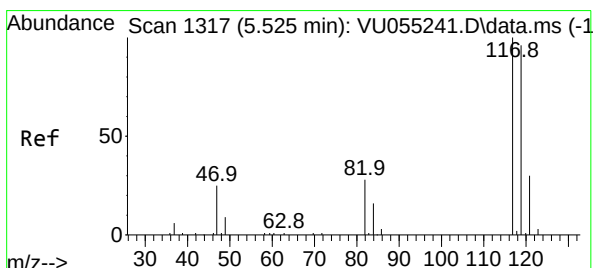
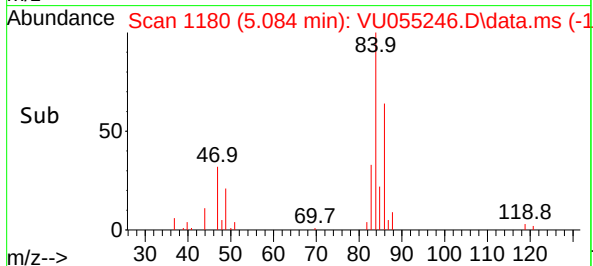
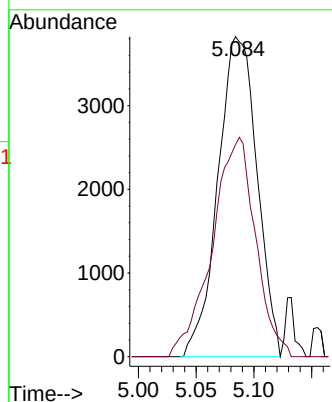
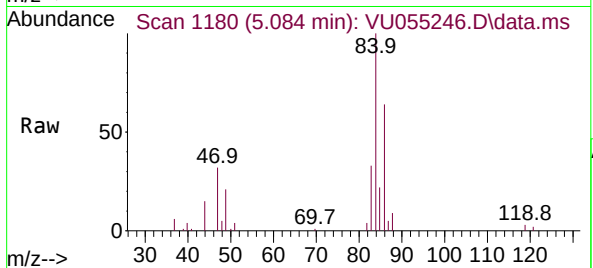
BH4H6

Tgt Ion: 83 Resp: 9010

Ion Ratio Lower Upper

83 100

85 66.3 47.2 87.6



#31

Carbon tetrachloride

Concen: 0.206 ug/L

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055246.D

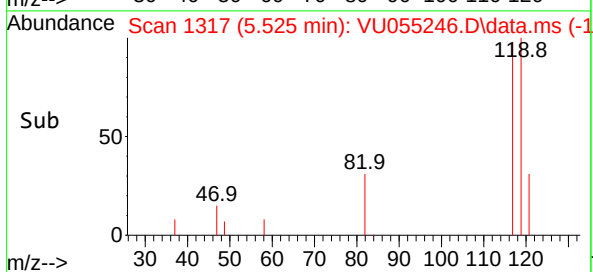
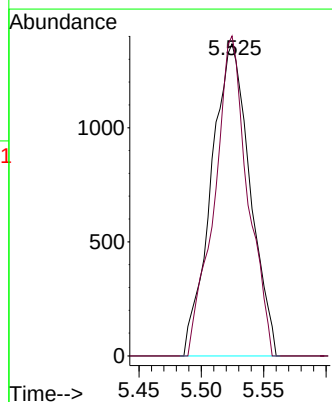
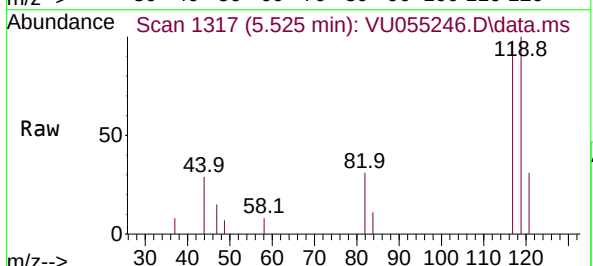
Acq: 12 Sep 2023 14:24

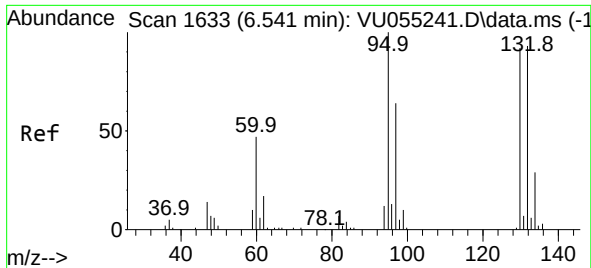
Tgt Ion: 117 Resp: 2964

Ion Ratio Lower Upper

117 100

119 88.0 75.4 113.0

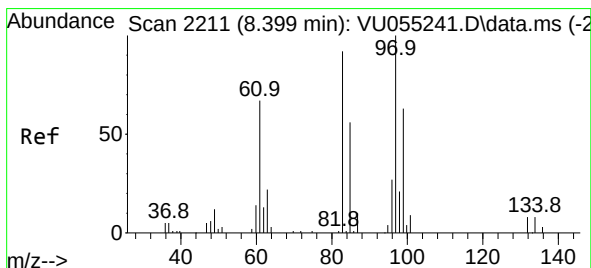
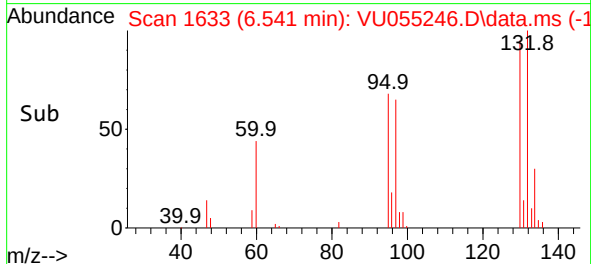
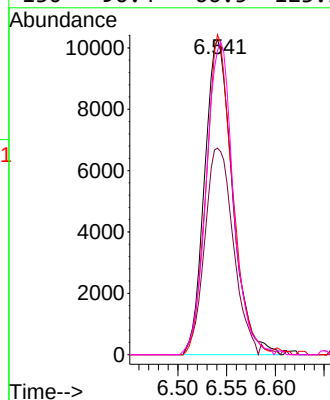
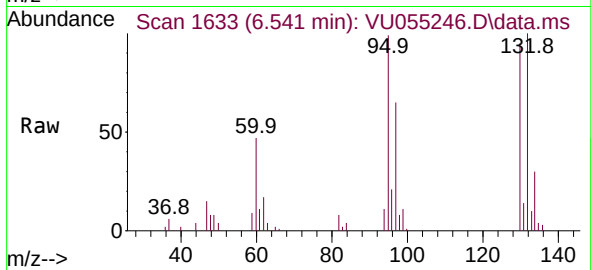




#34
Trichloroethene
Concen: 1.723 ug/L
RT: 6.541 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055246.D
Acq: 12 Sep 2023 14:24

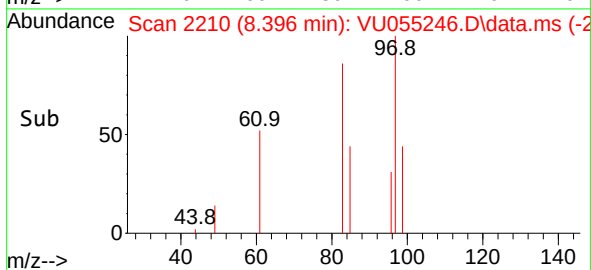
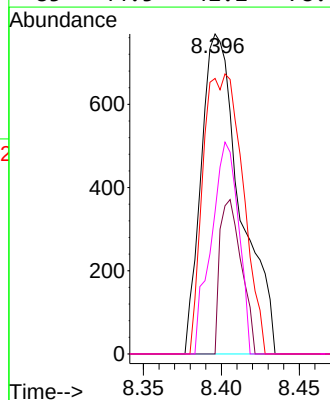
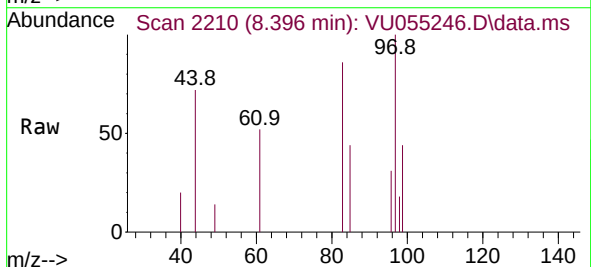
Instrument :
MSVOA_U
ClientSampleId :
BH4H6

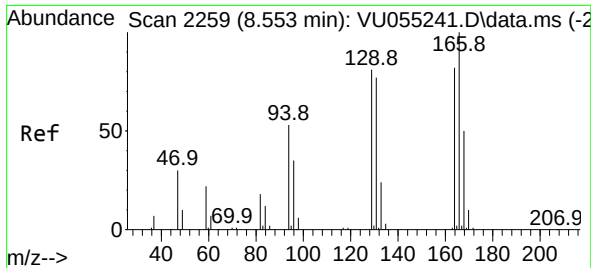
Tgt Ion: 95 Resp: 20421
Ion Ratio Lower Upper
95 100
97 65.5 44.7 83.1
132 101.5 66.6 123.6
130 96.4 66.5 123.5



#45
1,1,2-Trichloroethane
Concen: 0.172 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. -0.003 min
Lab File: VU055246.D
Acq: 12 Sep 2023 14:24

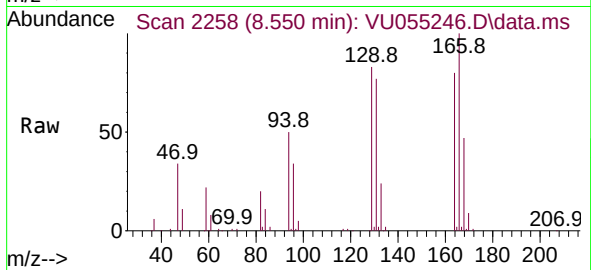
Tgt Ion: 97 Resp: 1347
Ion Ratio Lower Upper
97 100
99 0.0 44.9 83.5#
83 86.1 66.9 124.3
85 44.5 42.2 78.4





#47
 Tetrachloroethene
 Concen: 6.089 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU055246.D
 Acq: 12 Sep 2023 14:24

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4H6



Tgt Ion:	164	Resp:	49867
Ion	Ratio	Lower	Upper
164	100		
129	104.3	69.2	128.6
131	96.6	68.8	127.8
166	125.2	92.3	171.5

