

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU083123\
 Data File : VU055015.D
 Acq On : 31 Aug 2023 12:43
 Operator : MD/SY
 Sample : 04230-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 01 04:59:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 01 04:57:47 2023
 Response via : Initial Calibration

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

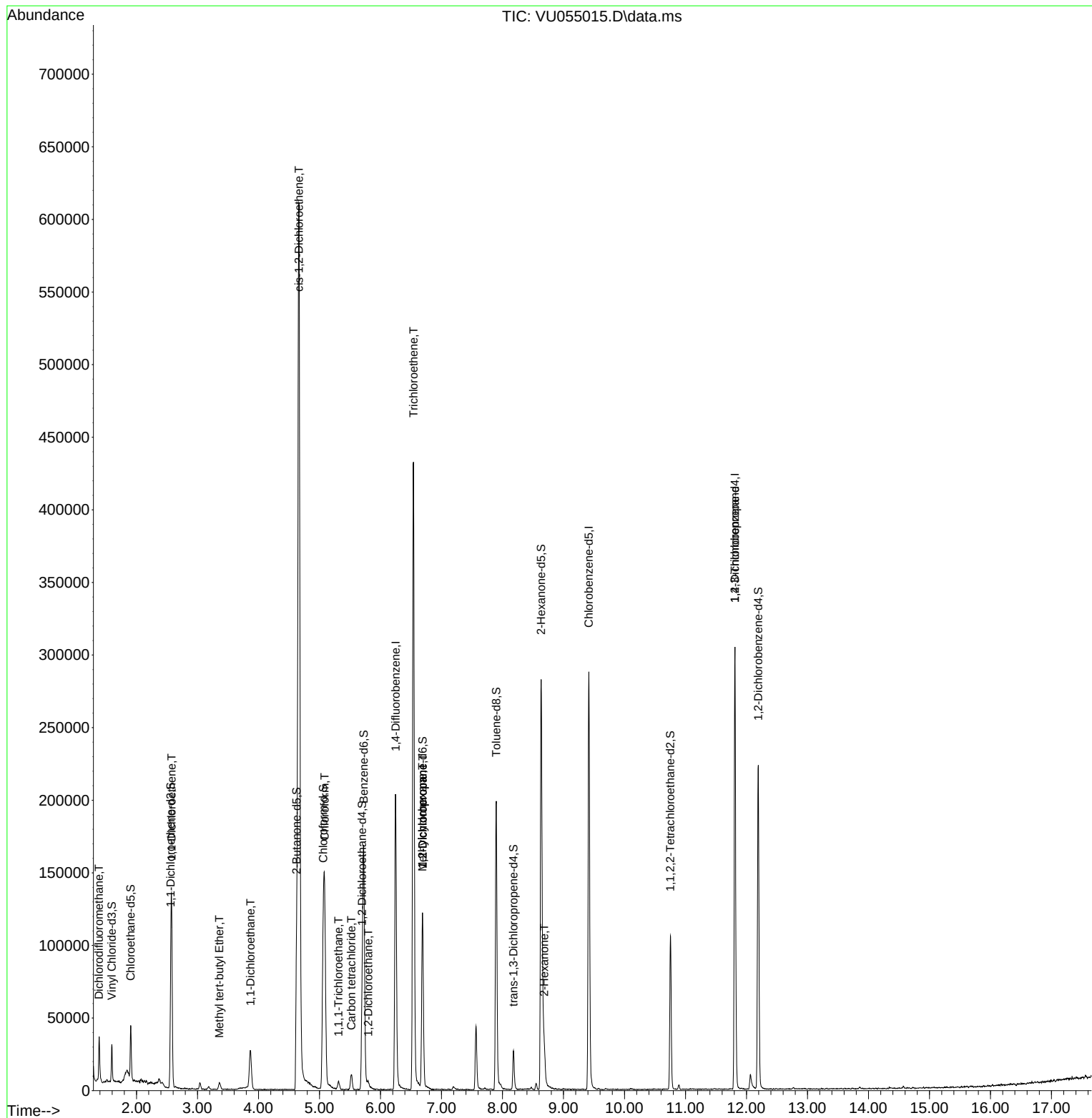
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	160831	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	157068	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	74729	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	17162	3.381	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.600%
7) Chloroethane-d5	1.904	69	25621	3.907	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.200%
11) 1,1-Dichloroethene-d2	2.560	65	11586	4.038	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.800%
20) 2-Butanone-d5	4.624	46	146937	53.626	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.260%
24) Chloroform-d	5.062	84	90778	4.821	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.400%
26) 1,2-Dichloroethane-d4	5.698	65	49837	4.974	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.400%
32) Benzene-d6	5.724	84	152661	4.324	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.400%
36) 1,2-Dichloropropane-d6	6.689	67	56978	4.589	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.800%
41) Toluene-d8	7.898	98	133320	3.943	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.181	79	15281	3.739	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.800%
46) 2-Hexanone-d5	8.634	63	93361	48.134	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.260%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	52658	4.945	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.000%
66) 1,2-Dichlorobenzene-d4	12.193	152	57126	4.788	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4116	0.413	ug/L	89
12) 1,1-Dichloroethene	2.576	96	33200	4.571	ug/L	88
17) Methyl tert-butyl Ether	3.358	73	4421	0.209	ug/L #	68
19) 1,1-Dichloroethane	3.869	63	32294	1.940	ug/L	96
22) cis-1,2-Dichloroethene	4.663	96	304038	32.134	ug/L	93
25) Chloroform	5.084	83	103701	5.679	ug/L	96
27) 1,2-Dichloroethane	5.798	62	3307	0.296	ug/L #	76
29) 1,1,1-Trichloroethane	5.312	97	3397	0.218	ug/L #	81
31) Carbon tetrachloride	5.521	117	7033	0.529	ug/L	98
34) Trichloroethene	6.541	95	147341	14.348	ug/L	96
35) Methylcyclohexane	6.685	83	13447	0.885	ug/L #	24
37) 1,2-Dichloropropane	6.689	63	6578	0.637	ug/L #	90
48) 2-Hexanone	8.685	43	12803	3.002	ug/L #	94
61) 1,2,3-Trichloropropane	11.811	75	10680	1.919	ug/L #	68

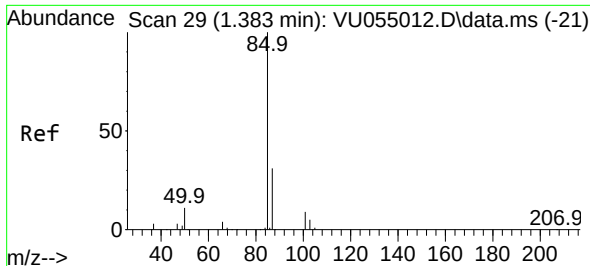
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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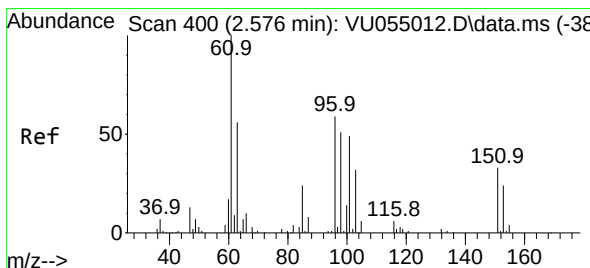
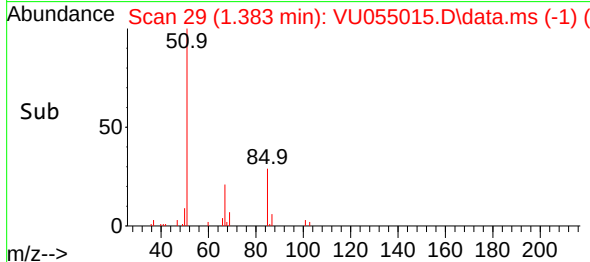
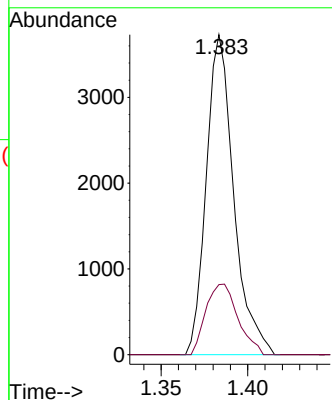
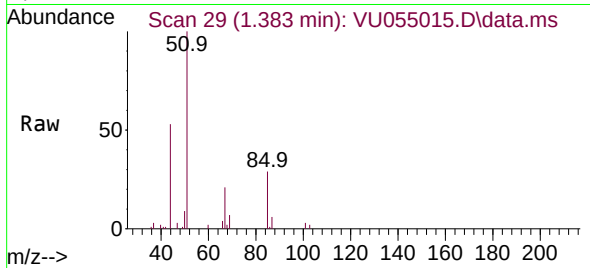




#2
Dichlorodifluoromethane
Concen: 0.413 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055015.D
Acq: 31 Aug 2023 12:43

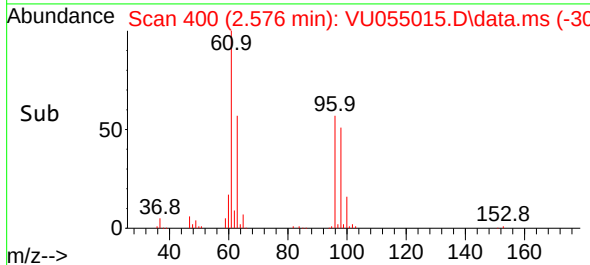
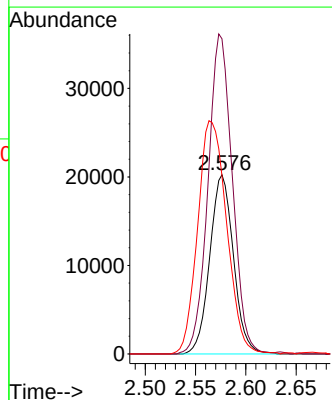
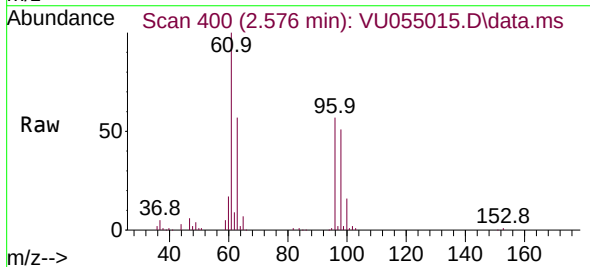
Instrument :
MSVOA_U
ClientSampleId :

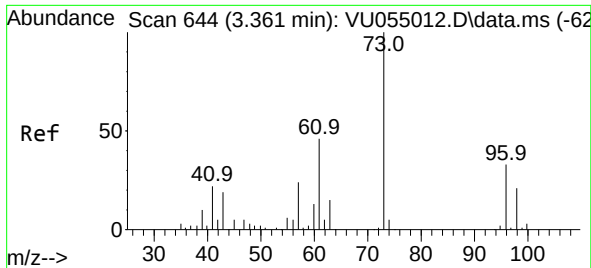
Tgt Ion: 85 Resp: 4116
Ion Ratio Lower Upper
85 100
87 25.8 25.4 38.0



#12
1,1-Dichloroethene
Concen: 4.571 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055015.D
Acq: 31 Aug 2023 12:43

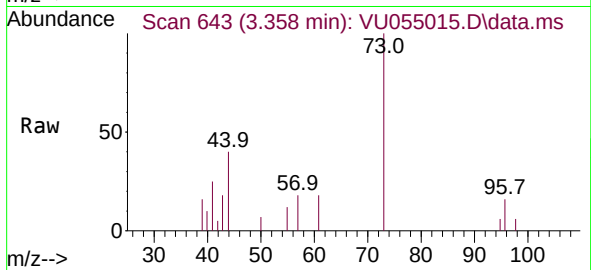
Tgt Ion: 96 Resp: 33200
Ion Ratio Lower Upper
96 100
61 175.9 132.4 245.8
63 99.5 82.5 153.1



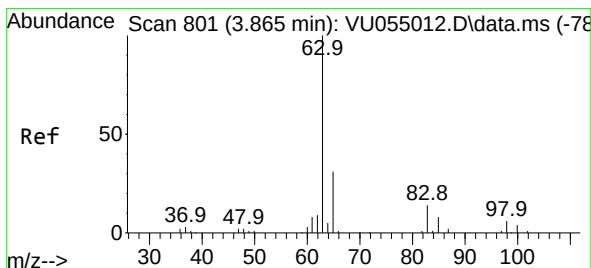
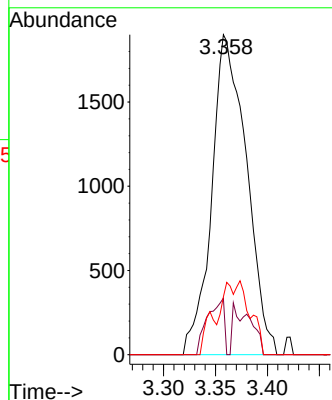
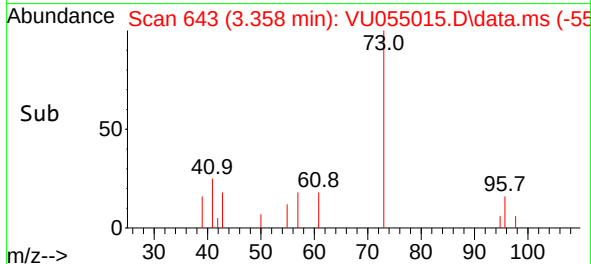


#17
Methyl tert-butyl Ether
Concen: 0.209 ug/L
RT: 3.358 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055015.D
Acq: 31 Aug 2023 12:43

Instrument :
MSVOA_U
ClientSampleId :

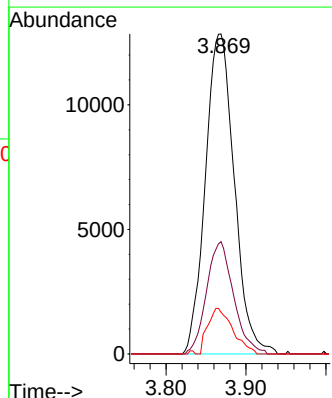
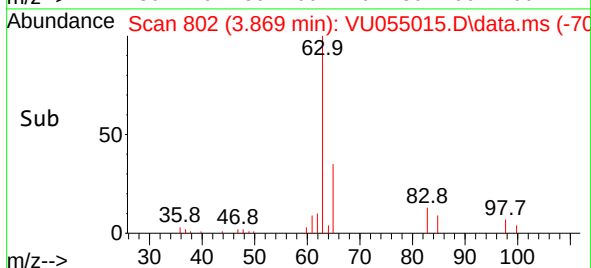
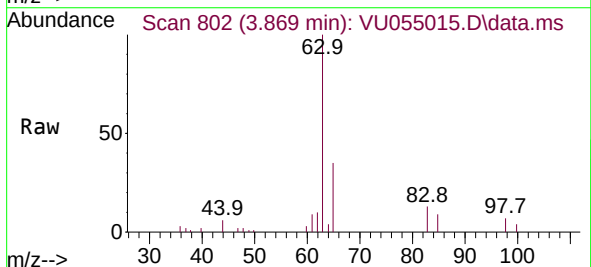


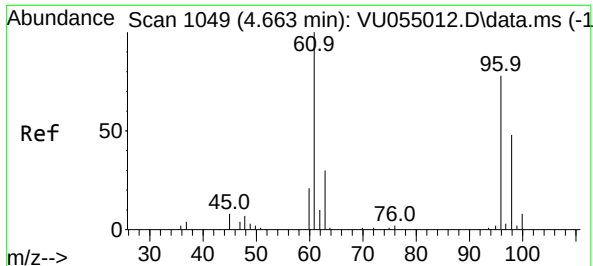
Tgt Ion: 73 Resp: 4421
Ion Ratio Lower Upper
73 100
43 8.5 16.2 24.2#
57 3.9 17.4 26.0#



#19
1,1-Dichloroethane
Concen: 1.940 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055015.D
Acq: 31 Aug 2023 12:43

Tgt Ion: 63 Resp: 32294
Ion Ratio Lower Upper
63 100
65 35.1 22.5 41.7
83 13.1 9.5 17.7

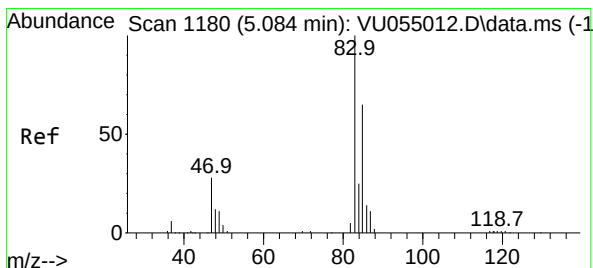
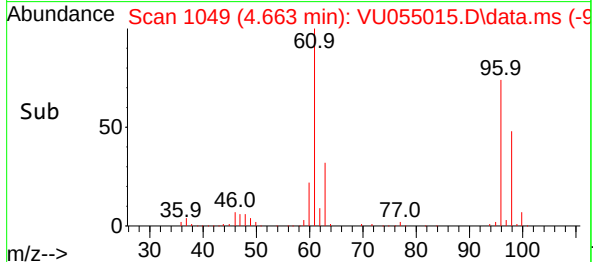
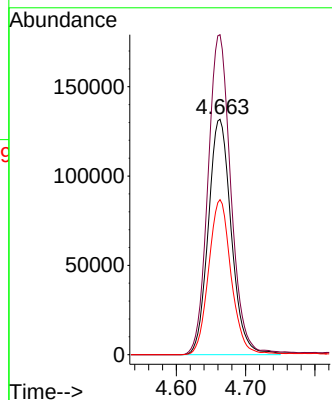
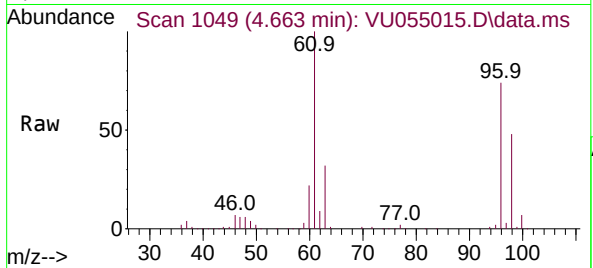




#22
 cis-1,2-Dichloroethene
 Concen: 32.134 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU055015.D
 Acq: 31 Aug 2023 12:43

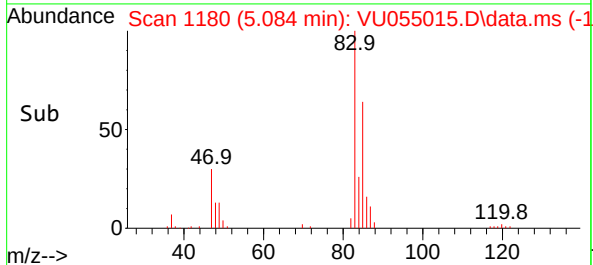
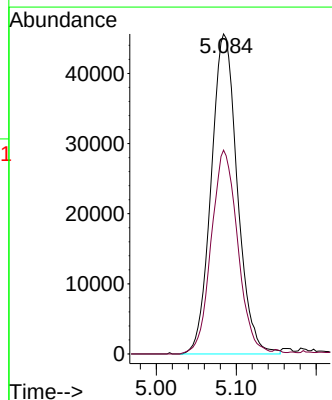
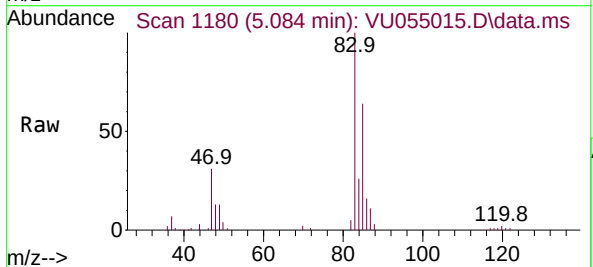
Instrument :
 MSVOA_U
 ClientSampleId :

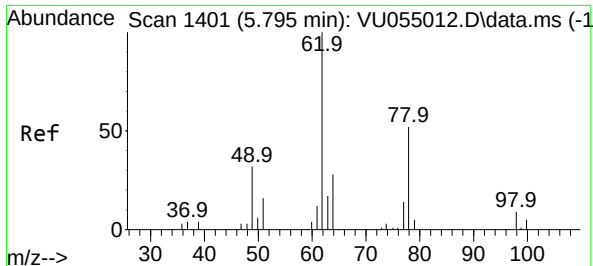
Tgt Ion: 96 Resp: 304038
 Ion Ratio Lower Upper
 96 100
 61 135.9 88.4 164.2
 98 65.9 44.0 81.6



#25
 Chloroform
 Concen: 5.679 ug/L
 RT: 5.084 min Scan# 1180
 Delta R.T. 0.000 min
 Lab File: VU055015.D
 Acq: 31 Aug 2023 12:43

Tgt Ion: 83 Resp: 103701
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.7 86.7

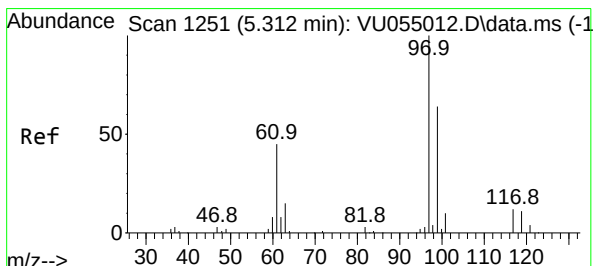
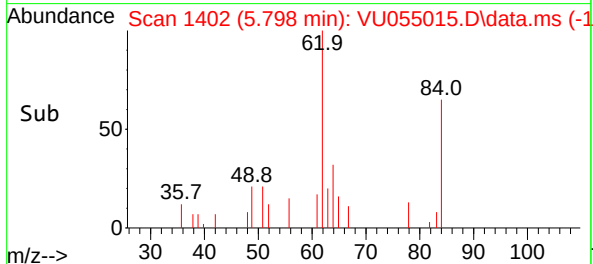
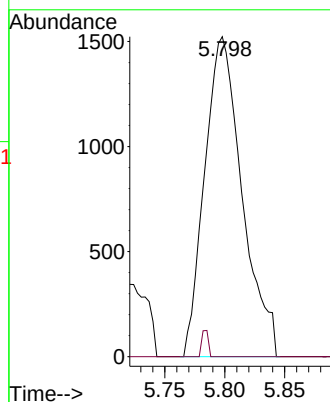
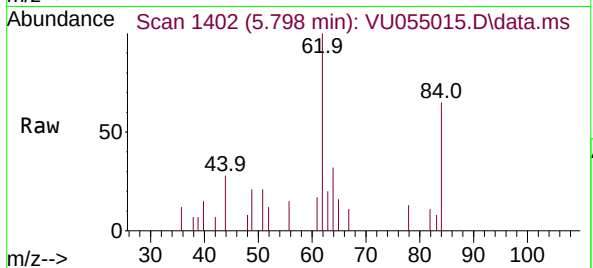




#27
1,2-Dichloroethane
Concen: 0.296 ug/L
RT: 5.798 min Scan# 1401
Delta R.T. 0.003 min
Lab File: VU055015.D
Acq: 31 Aug 2023 12:43

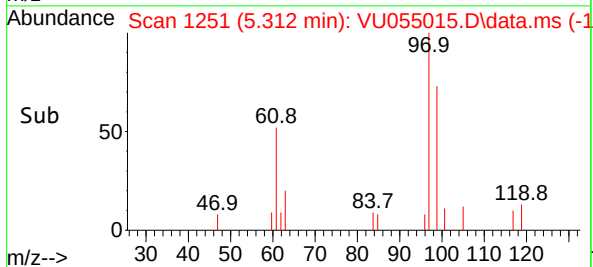
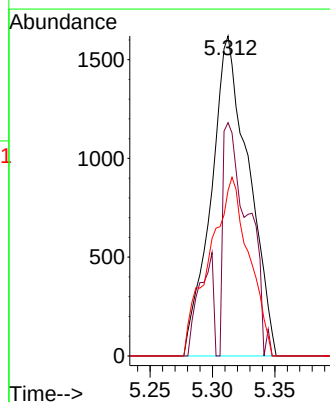
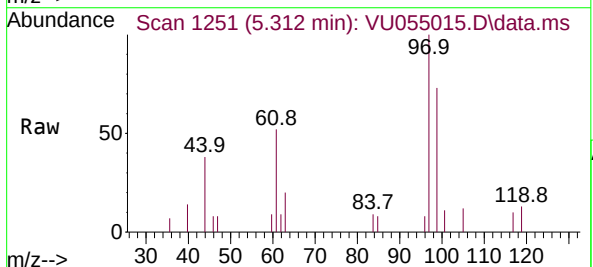
Instrument :
MSVOA_U
ClientSampleId :

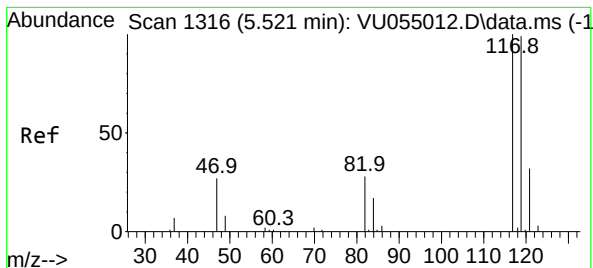
Tgt Ion: 62 Resp: 3307
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.6#



#29
1,1,1-Trichloroethane
Concen: 0.218 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VU055015.D
Acq: 31 Aug 2023 12:43

Tgt Ion: 97 Resp: 3397
Ion Ratio Lower Upper
97 100
99 48.7 51.5 77.3#
61 58.9 37.2 55.8#





#31

Carbon tetrachloride

Concen: 0.529 ug/L

RT: 5.521 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU055015.D

Acq: 31 Aug 2023 12:43

Instrument :

MSVOA_U

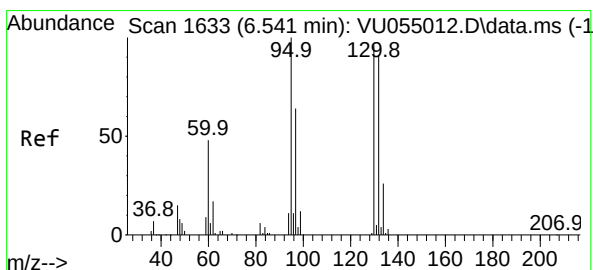
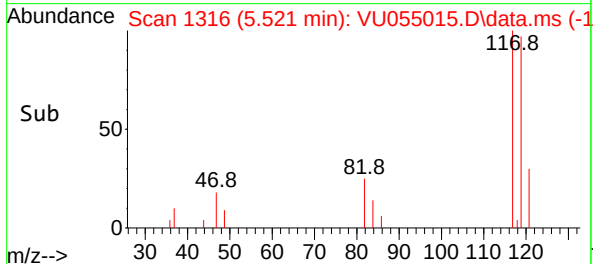
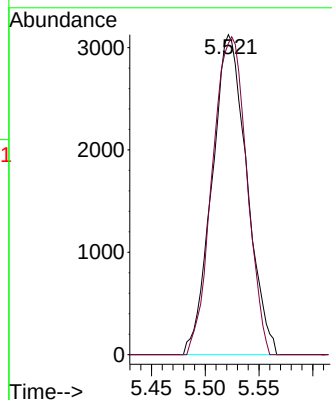
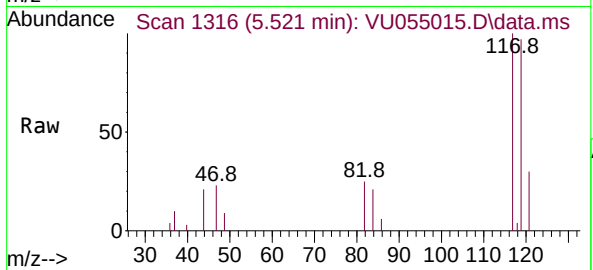
ClientSampleId :

Tgt Ion:117 Resp: 7033

Ion Ratio Lower Upper

117 100

119 98.0 76.6 115.0



#34

Trichloroethene

Concen: 14.348 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. 0.000 min

Lab File: VU055015.D

Acq: 31 Aug 2023 12:43

Tgt Ion: 95 Resp: 147341

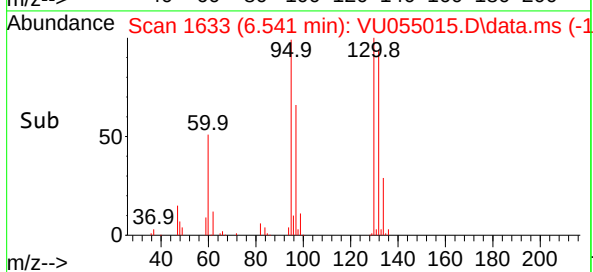
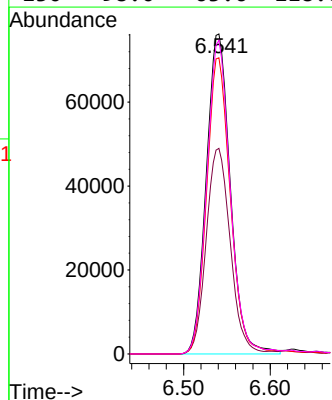
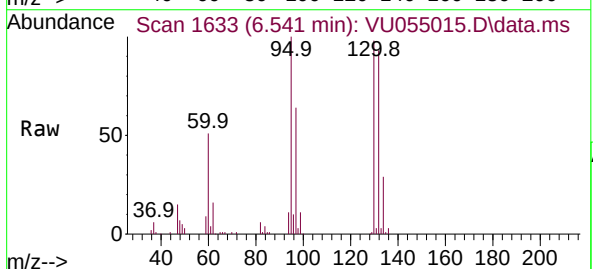
Ion Ratio Lower Upper

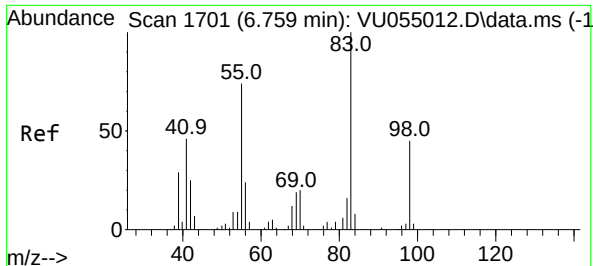
95 100

97 64.2 44.1 81.9

132 92.5 63.6 118.2

130 98.0 63.6 118.0





#35

Methylcyclohexane

Concen: 0.885 ug/L

RT: 6.685 min Scan# 1

Delta R.T. -0.074 min

Lab File: VU055015.D

Acq: 31 Aug 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

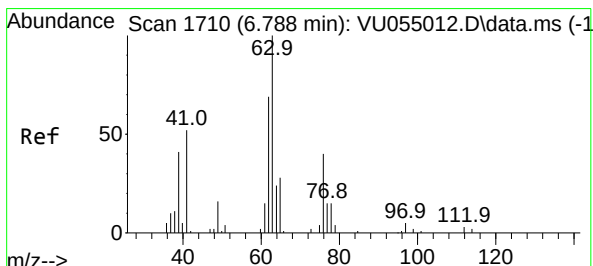
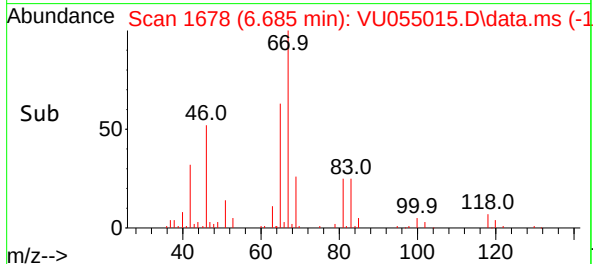
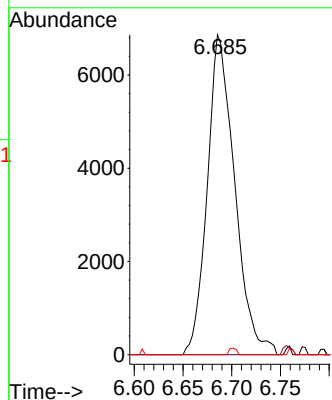
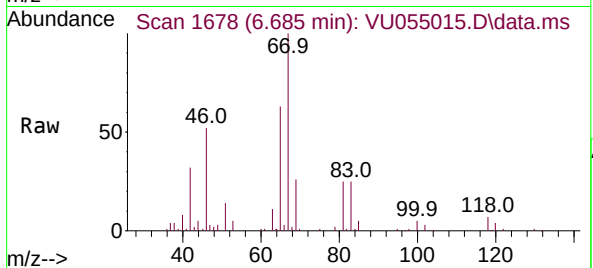
Tgt Ion: 83 Resp: 13447

Ion Ratio Lower Upper

83 100

55 0.9 62.1 93.1#

98 10.2 37.8 56.6#



#37

1,2-Dichloropropane

Concen: 0.637 ug/L

RT: 6.689 min Scan# 1679

Delta R.T. -0.100 min

Lab File: VU055015.D

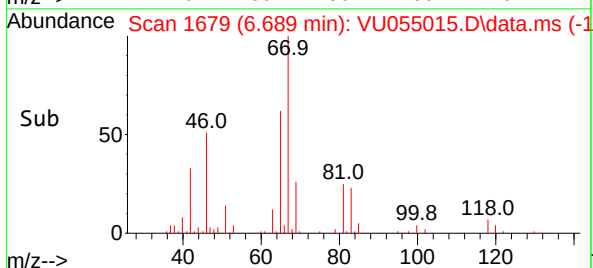
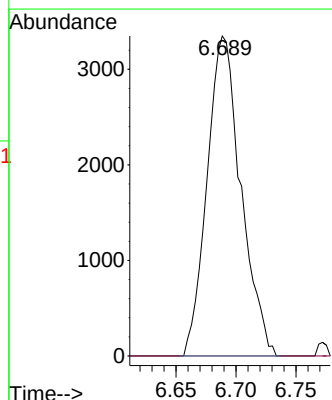
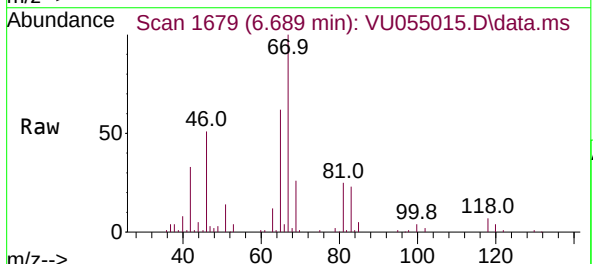
Acq: 31 Aug 2023 12:43

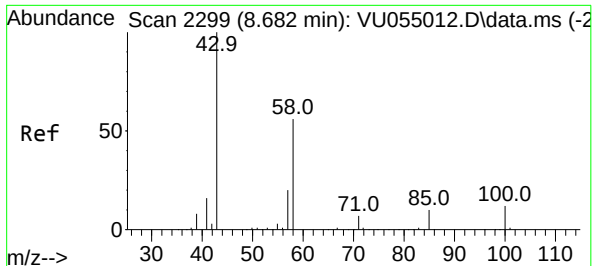
Tgt Ion: 63 Resp: 6578

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#





#48

2-Hexanone

Concen: 3.002 ug/L

RT: 8.685 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055015.D

Acq: 31 Aug 2023 12:43

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 12803

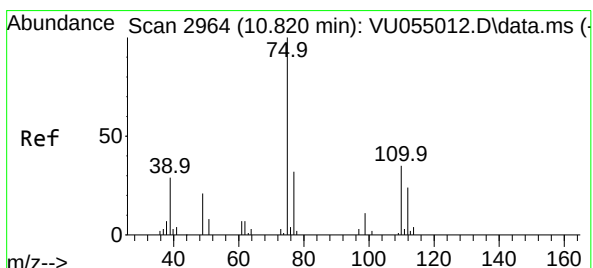
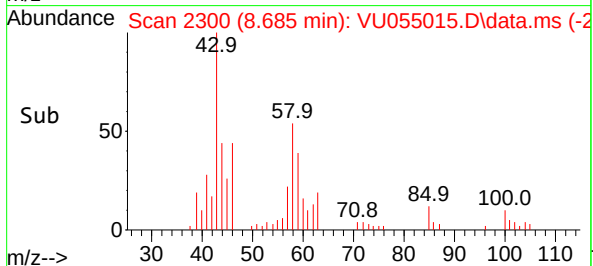
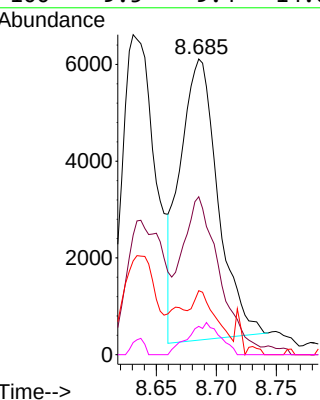
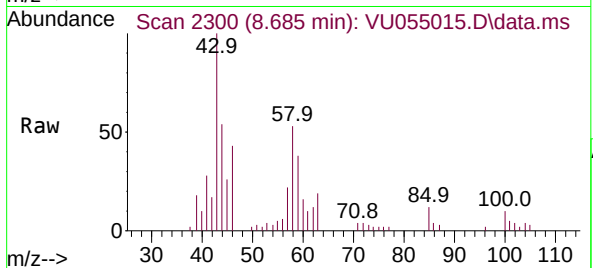
Ion Ratio Lower Upper

43 100

58 51.7 44.0 66.0

57 15.0 15.9 23.9#

100 9.5 9.4 14.0



#61

1,2,3-Trichloropropane

Concen: 1.919 ug/L

RT: 11.811 min Scan# 3272

Delta R.T. 0.990 min

Lab File: VU055015.D

Acq: 31 Aug 2023 12:43

Tgt Ion: 75 Resp: 10680

Ion Ratio Lower Upper

75 100

110 2.9 29.0 43.6#

77 36.0 26.5 39.7

