

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055403.D
 Acq On : 19 Sep 2023 20:25
 Operator : MD/SY
 Sample : 04380-18DL 200X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:09:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Sep 20 06:06:30 2023
 Response via : Initial Calibration

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

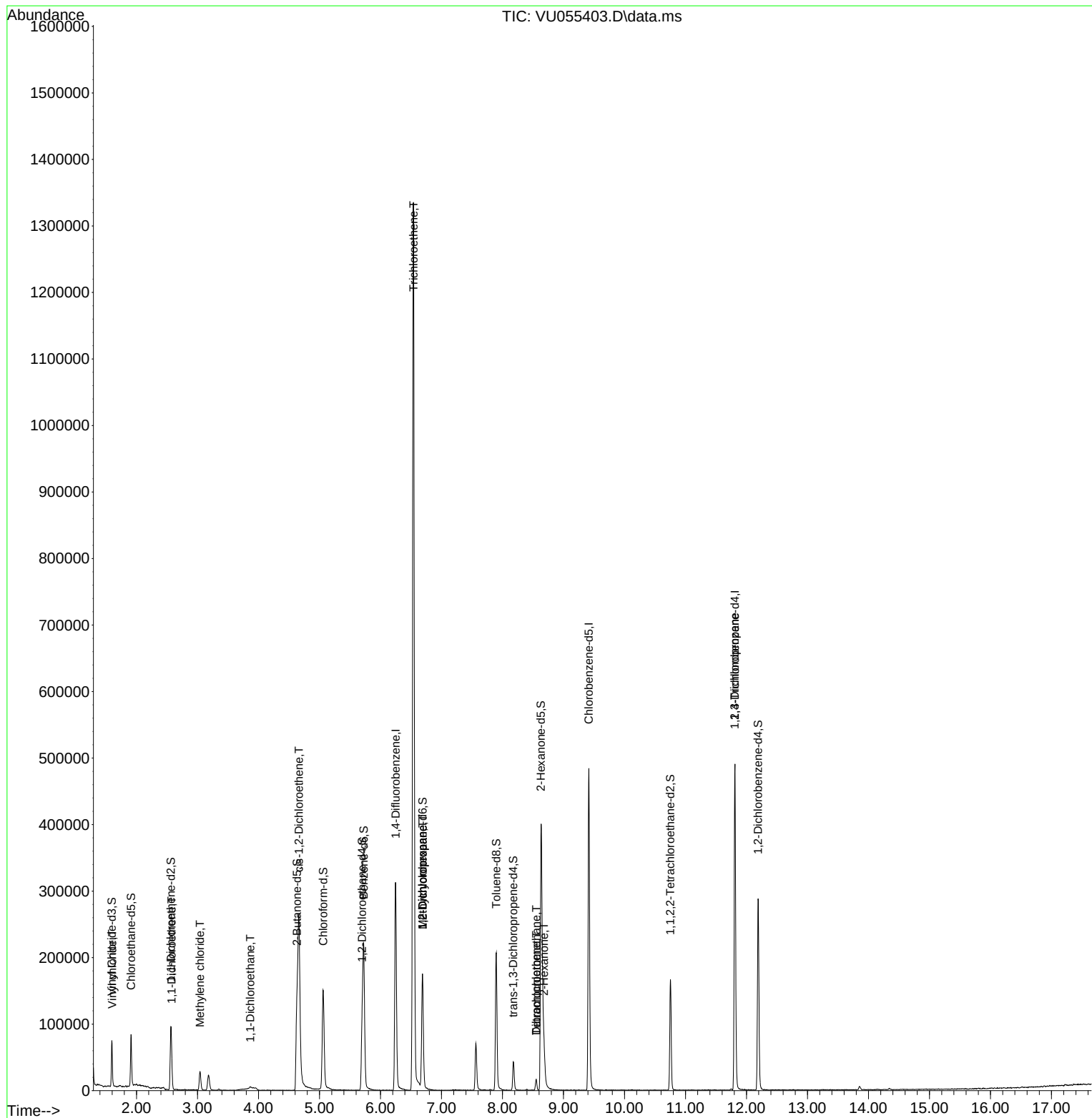
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	259051	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	269051	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	129292	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	46594	1.780	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	35.600%#
7) Chloroethane-d5	1.911	69	53407	2.315	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	46.200%#
11) 1,1-Dichloroethene-d2	2.563	65	17297	1.605	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	32.200%#
20) 2-Butanone-d5	4.631	46	243961	51.587	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.180%
24) Chloroform-d	5.058	84	140253	2.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	59.200%#
26) 1,2-Dichloroethane-d4	5.698	65	78214	3.433	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.600%#
32) Benzene-d6	5.724	84	207516	2.205	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	44.200%#
36) 1,2-Dichloropropane-d6	6.689	67	84332	2.999	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	60.000%
41) Toluene-d8	7.898	98	142608	1.663	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	33.200%#
43) trans-1,3-Dichloroprop...	8.177	79	25365	2.571	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	51.400%#
46) 2-Hexanone-d5	8.631	63	125947	41.962	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.920%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	84713	4.020	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	77070	2.953	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	59.000%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	3059	0.128	ug/L	88
12) 1,1-Dichloroethene	2.576	96	5804	0.320	ug/L #	1
16) Methylene chloride	3.039	84	13632	0.628	ug/L	99
19) 1,1-Dichloroethane	3.866	63	3195	0.095	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	109553	5.176	ug/L	99
34) Trichloroethene	6.541	95	464683	21.214	ug/L	98
35) Methylcyclohexane	6.689	83	20263	0.642	ug/L #	37
37) 1,2-Dichloropropane	6.689	63	9804	0.484	ug/L #	90
47) Tetrachloroethene	8.553	164	3800	0.242	ug/L	92
48) 2-Hexanone	8.682	43	33732	4.738	ug/L #	89
49) Dibromochloromethane	8.553	129	3268	0.220	ug/L #	9
61) 1,2,3-Trichloropropane	11.807	75	16087	1.594	ug/L #	69

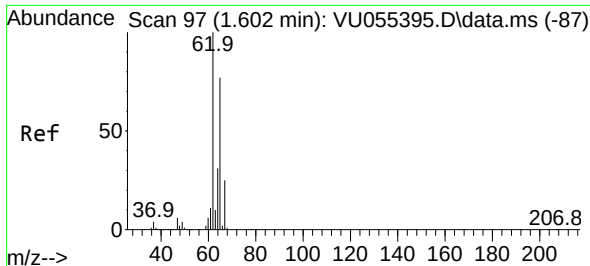
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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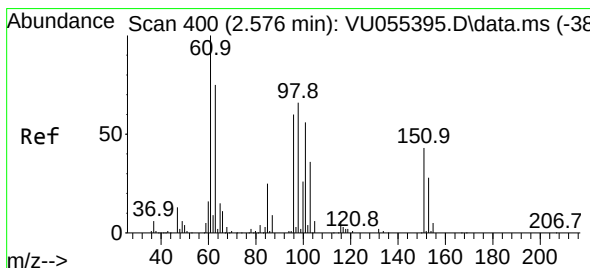
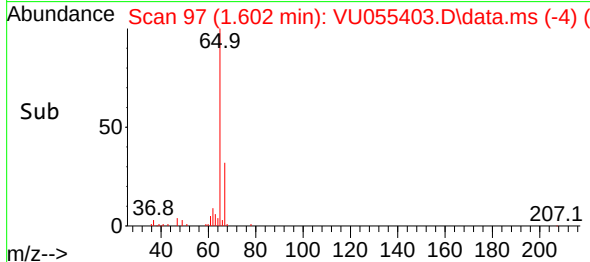
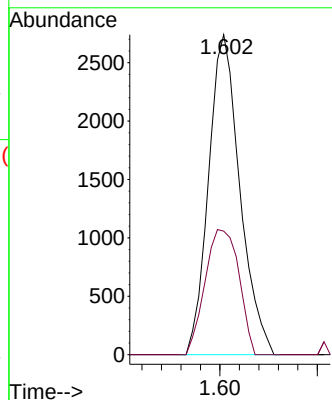
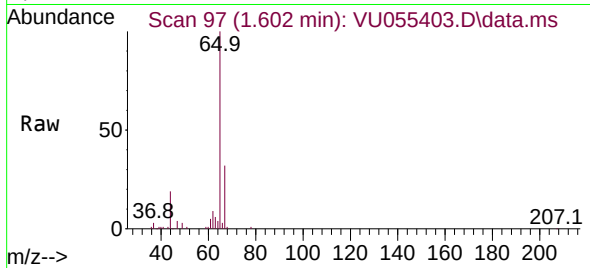




#5
 Vinyl chloride
 Concen: 0.128 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055403.D
 Acq: 19 Sep 2023 20:25

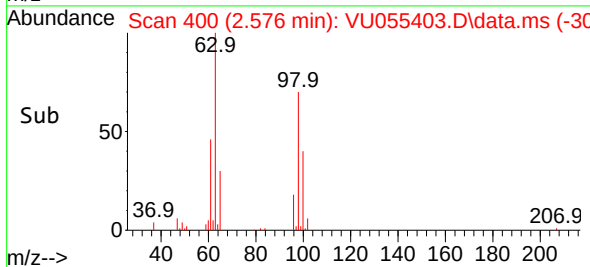
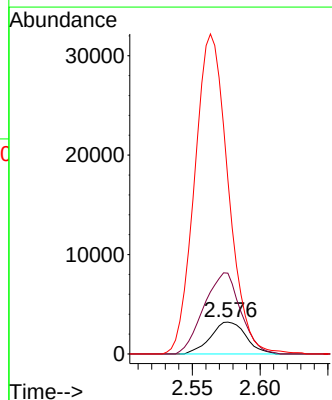
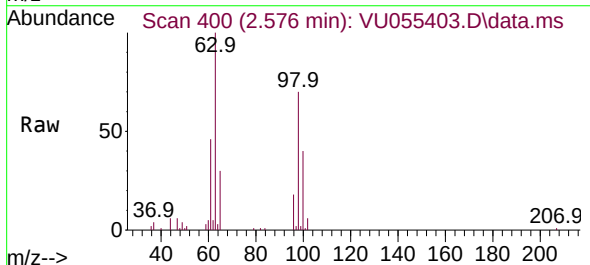
Instrument :
 MSVOA_U
 ClientSampleId :

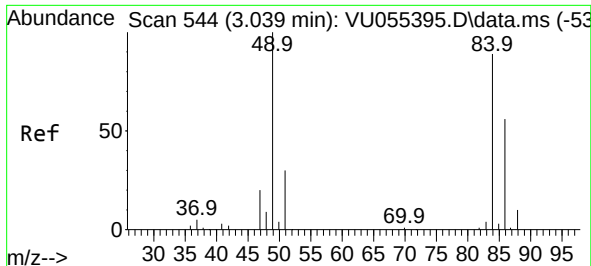
Tgt Ion: 62 Resp: 3059
 Ion Ratio Lower Upper
 62 100
 64 38.6 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 0.320 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055403.D
 Acq: 19 Sep 2023 20:25

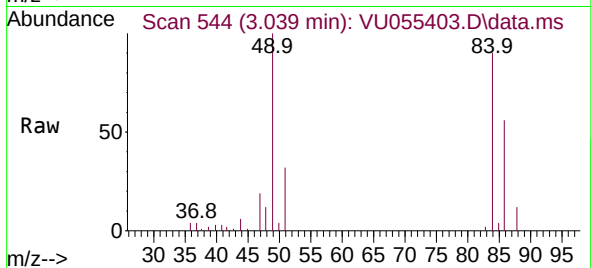
Tgt Ion: 96 Resp: 5804
 Ion Ratio Lower Upper
 96 100
 61 253.4 114.5 212.7#
 63 547.3 98.3 182.5#



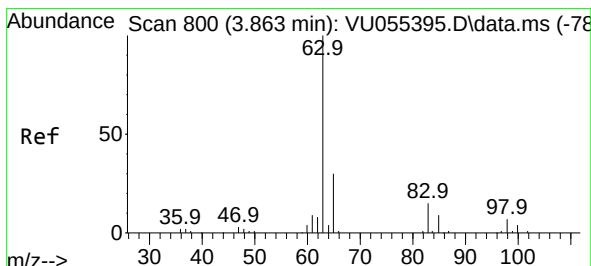
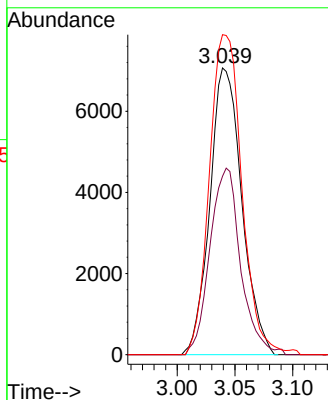
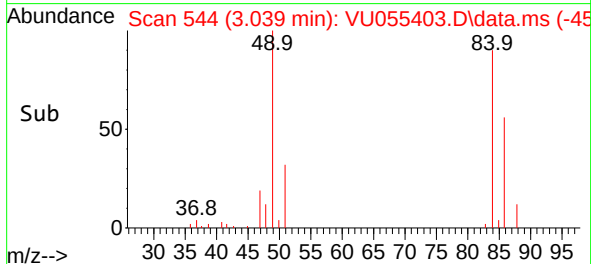


#16
Methylene chloride
Concen: 0.628 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU055403.D
Acq: 19 Sep 2023 20:25

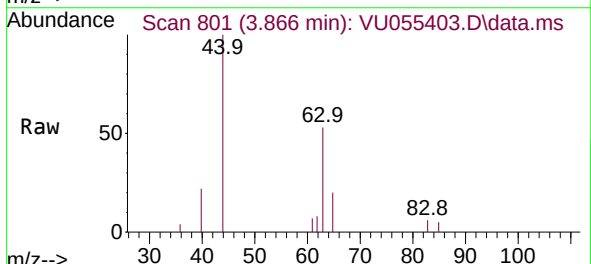
Instrument :
MSVOA_U
ClientSampleId :



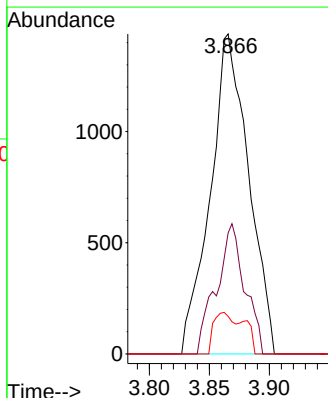
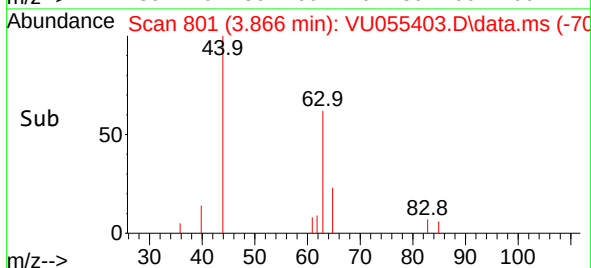
Tgt Ion: 84 Resp: 13632
Ion Ratio Lower Upper
84 100
86 62.2 44.9 83.3
49 111.6 78.8 146.3

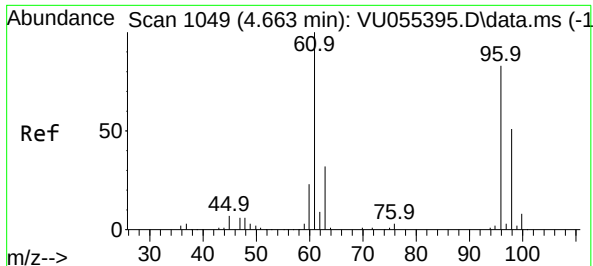


#19
1,1-Dichloroethane
Concen: 0.095 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055403.D
Acq: 19 Sep 2023 20:25



Tgt Ion: 63 Resp: 3195
Ion Ratio Lower Upper
63 100
65 37.8 22.0 41.0
83 11.7 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 5.176 ug/L

RT: 4.663 min Scan# 1049

Delta R.T. -0.000 min

Lab File: VU055403.D

Acq: 19 Sep 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :

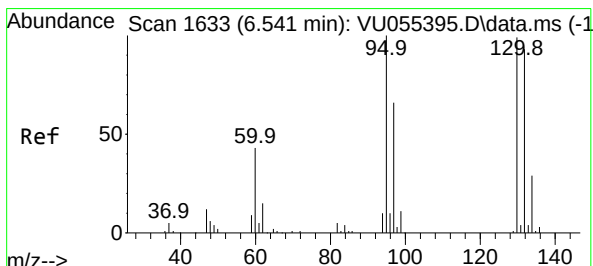
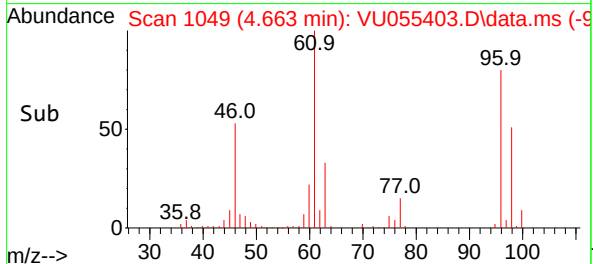
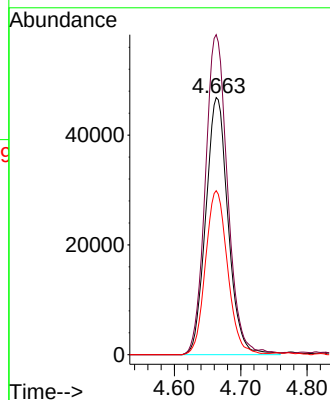
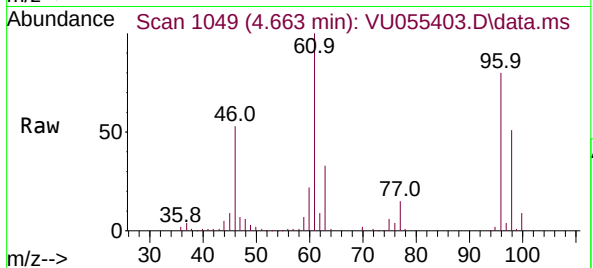
Tgt Ion: 96 Resp: 109553

Ion Ratio Lower Upper

96 100

61 124.4 87.8 163.2

98 63.7 44.4 82.4



#34

Trichloroethene

Concen: 21.214 ug/L

RT: 6.541 min Scan# 1633

Delta R.T. -0.000 min

Lab File: VU055403.D

Acq: 19 Sep 2023 20:25

Tgt Ion: 95 Resp: 464683

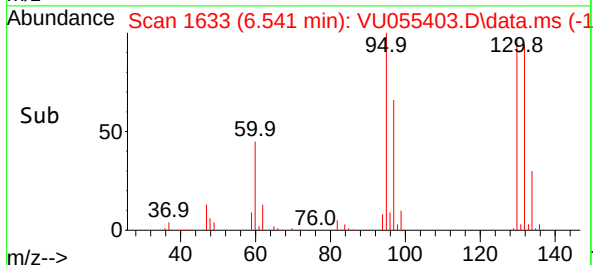
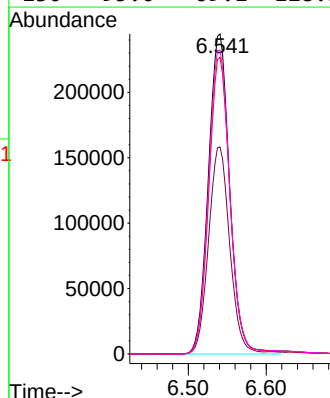
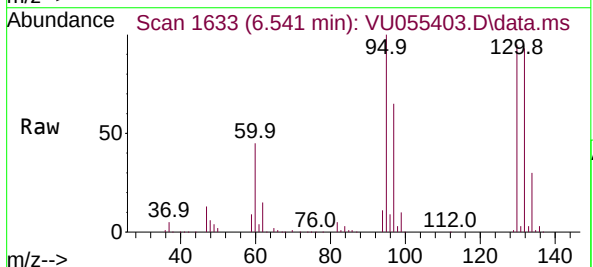
Ion Ratio Lower Upper

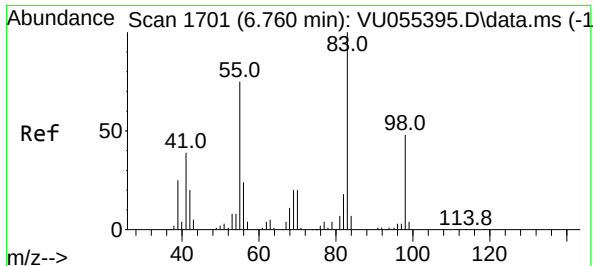
95 100

97 64.7 45.4 84.2

132 92.7 65.2 121.2

130 95.0 69.1 128.3

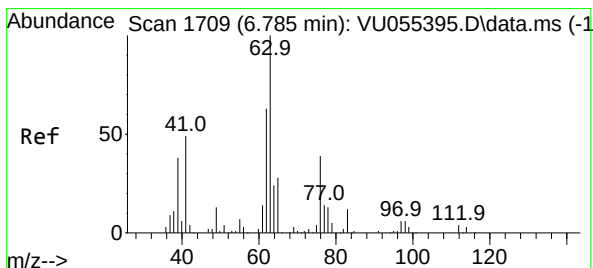
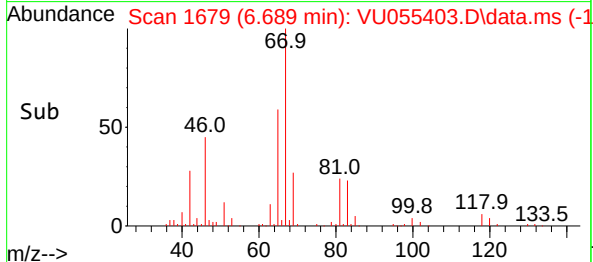
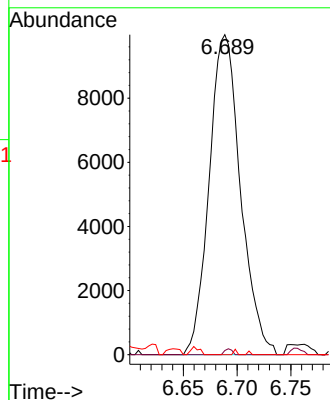
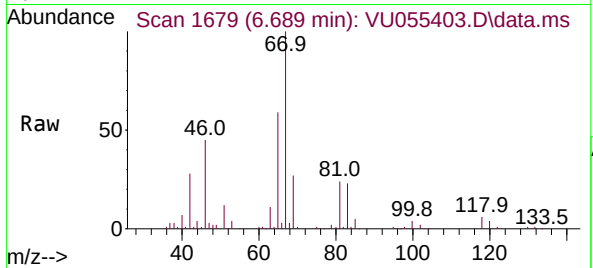




#35
Methylcyclohexane
Concen: 0.642 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055403.D
Acq: 19 Sep 2023 20:25

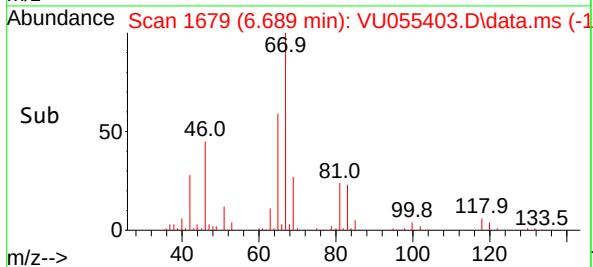
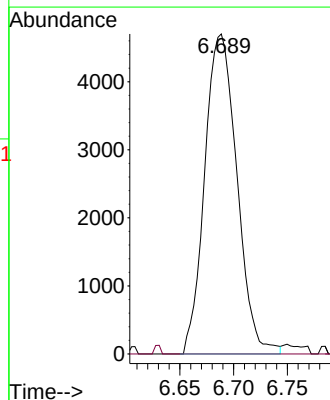
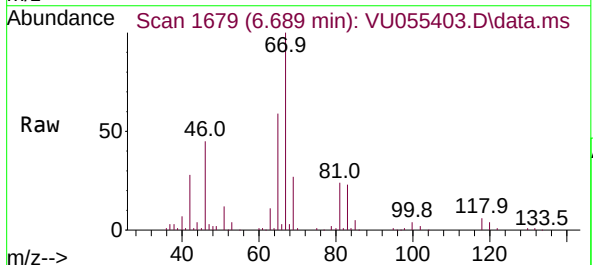
Instrument :
MSVOA_U
ClientSampleId :

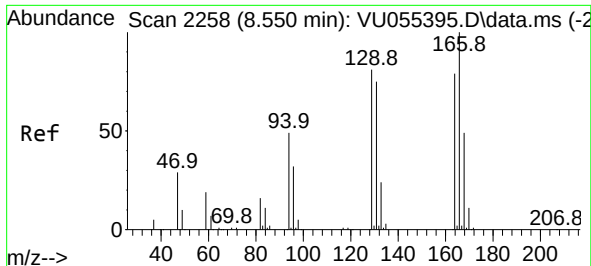
Tgt Ion: 83 Resp: 20263
Ion Ratio Lower Upper
83 100
55 0.4 59.1 88.7#
98 29.5 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.484 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.097 min
Lab File: VU055403.D
Acq: 19 Sep 2023 20:25

Tgt Ion: 63 Resp: 9804
Ion Ratio Lower Upper
63 100
112 0.5 3.0 4.6#





#47

Tetrachloroethene

Concen: 0.242 ug/L

RT: 8.553 min Scan# 21

Delta R.T. 0.003 min

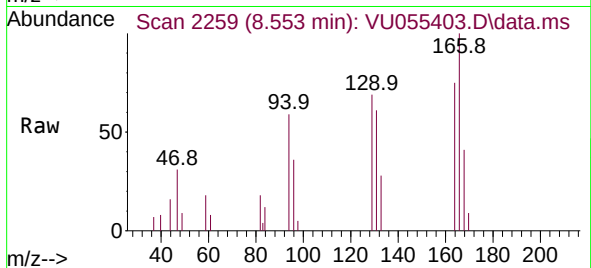
Lab File: VU055403.D

Acq: 19 Sep 2023 20:25

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 3800

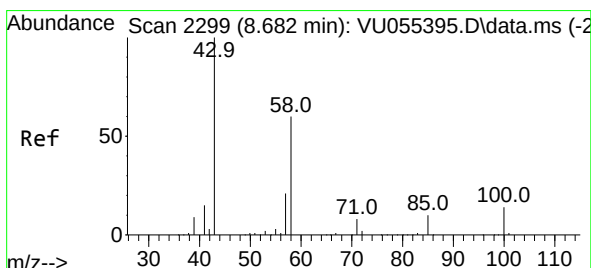
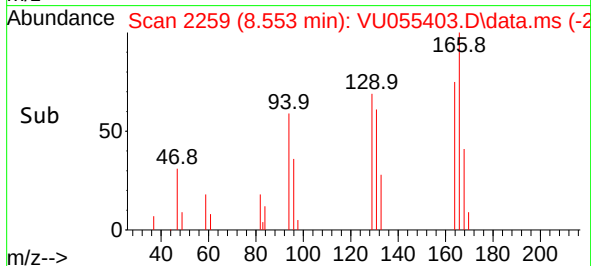
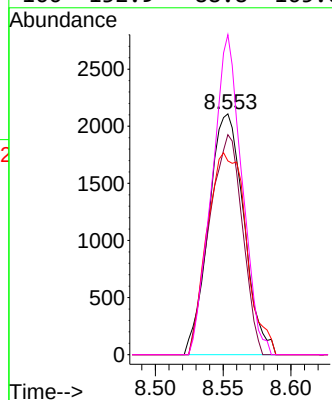
Ion Ratio Lower Upper

164 100

129 91.4 67.4 125.2

131 80.5 66.4 123.2

166 132.9 88.8 165.0



#48

2-Hexanone

Concen: 4.738 ug/L

RT: 8.682 min Scan# 2299

Delta R.T. -0.000 min

Lab File: VU055403.D

Acq: 19 Sep 2023 20:25

Tgt Ion: 43 Resp: 33732

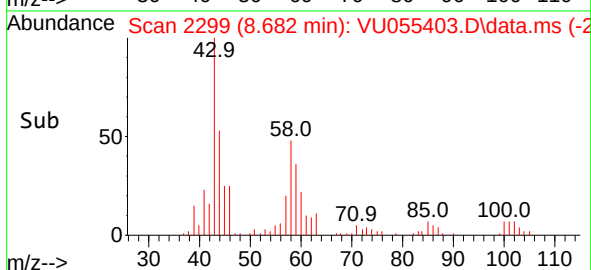
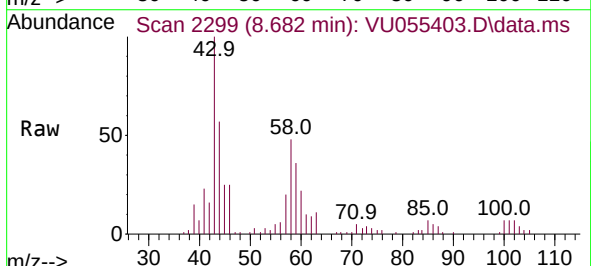
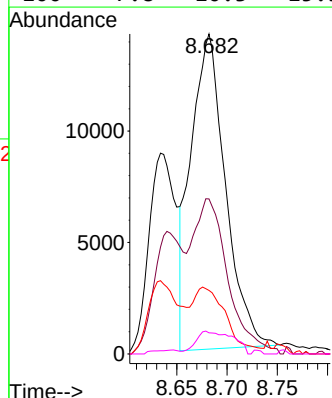
Ion Ratio Lower Upper

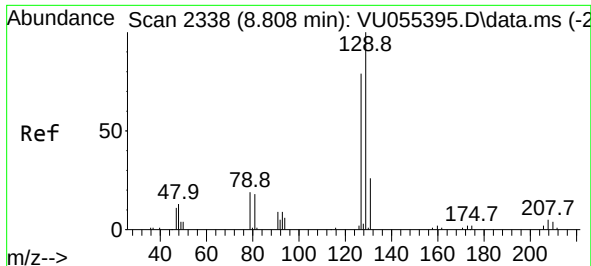
43 100

58 49.8 48.5 72.7

57 21.0 17.0 25.4

100 7.8 10.3 15.5#





#49

Dibromochloromethane

Concen: 0.220 ug/L

RT: 8.553 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU055403.D

Acq: 19 Sep 2023 20:25

Instrument :

MSVOA_U

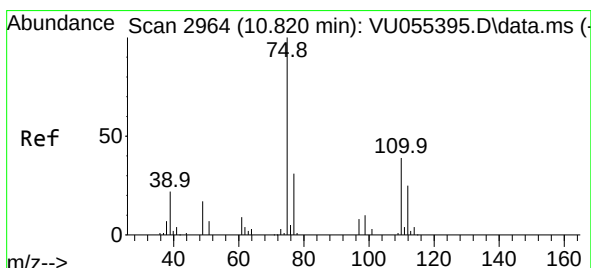
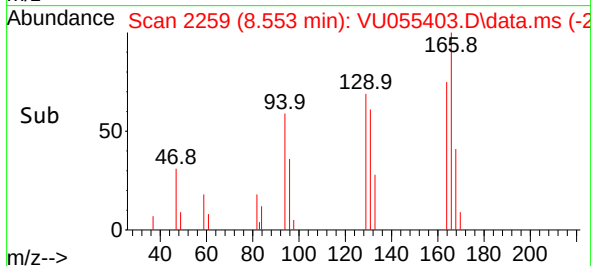
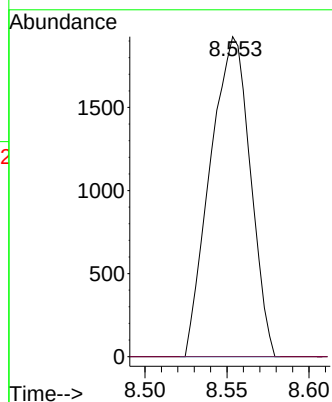
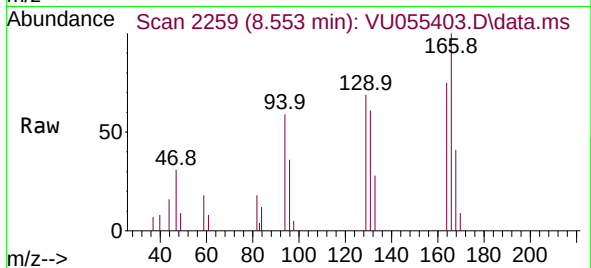
ClientSampleId :

Tgt Ion:129 Resp: 3268

Ion Ratio Lower Upper

129 100

127 0.0 56.8 105.6#



#61

1,2,3-Trichloropropane

Concen: 1.594 ug/L

RT: 11.807 min Scan# 3271

Delta R.T. 0.987 min

Lab File: VU055403.D

Acq: 19 Sep 2023 20:25

Tgt Ion: 75 Resp: 16087

Ion Ratio Lower Upper

75 100

110 3.2 30.6 45.8#

77 33.6 26.7 40.1

