

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091923\
 Data File : VU055410.D
 Acq On : 19 Sep 2023 23:15
 Operator : MD/SY
 Sample : 04398-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 20 06:11:15 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	6.245	114	221635	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	223298	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	105004	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	31118	1.389	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	27.800%#
7) Chloroethane-d5	1.911	69	44237	2.241	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	44.800%#
11) 1,1-Dichloroethene-d2	2.563	65	17766	1.927	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	38.600%#
20) 2-Butanone-d5	4.631	46	162279	40.108	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.220%
24) Chloroform-d	5.062	84	118842	2.933	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	58.600%#
26) 1,2-Dichloroethane-d4	5.698	65	64466	3.308	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	66.200%#
32) Benzene-d6	5.724	84	212107	2.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	54.400%#
36) 1,2-Dichloropropane-d6	6.689	67	75717	3.245	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	64.800%
41) Toluene-d8	7.894	98	169844	2.386	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	47.800%#
43) trans-1,3-Dichloroprop...	8.180	79	10826	1.322	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	26.400%#
46) 2-Hexanone-d5	8.634	63	74249	29.807	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	59.620%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	56550	3.233	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	64.600%#
66) 1,2-Dichlorobenzene-d4	12.193	152	65156	3.074	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	61.400%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	169656	8.284	ug/L	98
12) 1,1-Dichloroethene	2.576	96	85271	5.503	ug/L #	75
16) Methylene chloride	3.046	84	6643	0.358	ug/L	98
17) Methyl tert-butyl Ether	3.361	73	23216	0.691	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	5359	0.343	ug/L	92
19) 1,1-Dichloroethane	3.866	63	40818	1.413	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	1180037	65.165	ug/L	99
25) Chloroform	5.087	83	18366	0.600	ug/L	96
27) 1,2-Dichloroethane	5.795	62	9047	0.482	ug/L	98
31) Carbon tetrachloride	5.521	117	6884	0.315	ug/L	87
33) Benzene	5.779	78	10767	0.168	ug/L	100
34) Trichloroethene	6.537	95	1191196	65.524	ug/L	98
35) Methylcyclohexane	6.692	83	18433	0.704	ug/L #	23
37) 1,2-Dichloropropane	6.685	63	8542	0.508	ug/L #	90
47) Tetrachloroethene	8.550	164	13249	1.016	ug/L	94
48) 2-Hexanone	8.682	43	22294	3.773	ug/L #	81
49) Dibromochloromethane	8.550	129	13405	1.085	ug/L #	9
51) Chlorobenzene	9.447	112	6183	0.141	ug/L	95
61) 1,2,3-Trichloropropane	11.807	75	13674	1.668	ug/L #	65

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Sep 20 06:06:30 2023
Response via : Initial Calibration

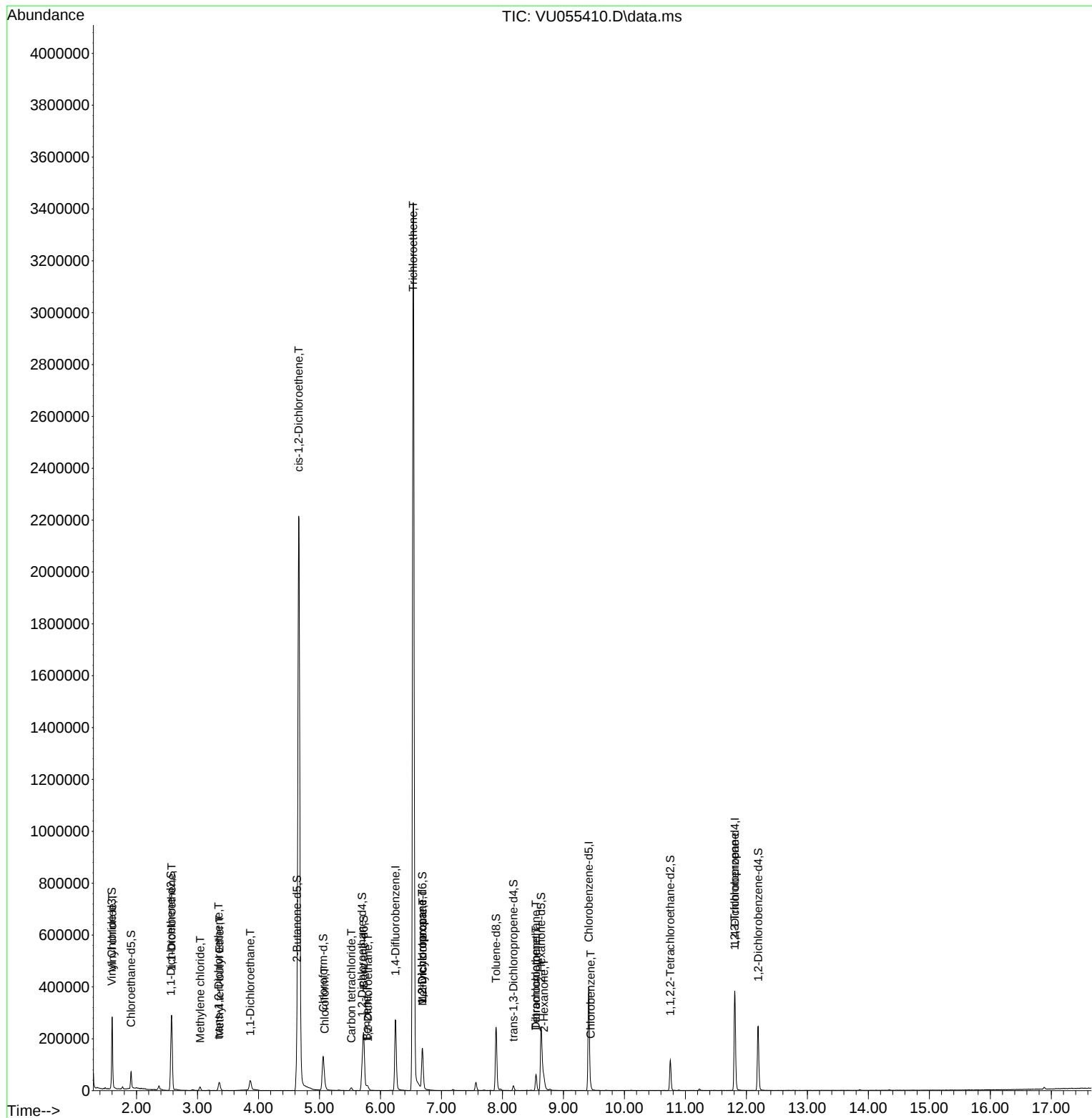
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

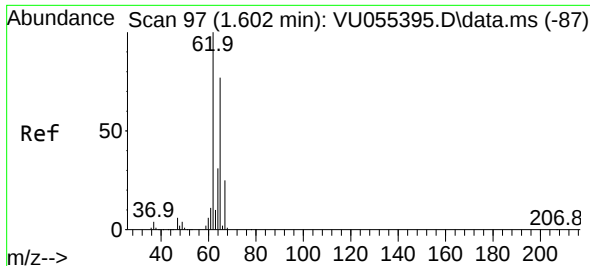
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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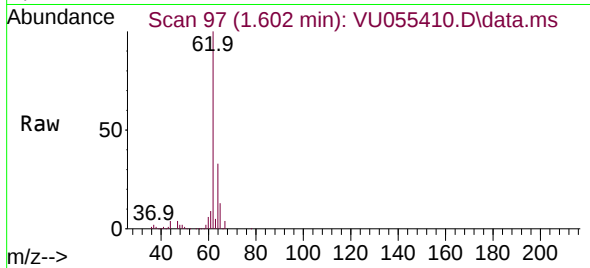
Quant Time: Sep 20 06:11:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
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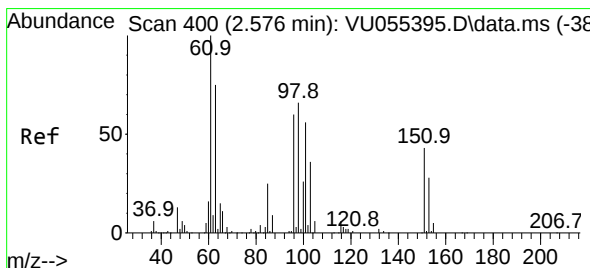
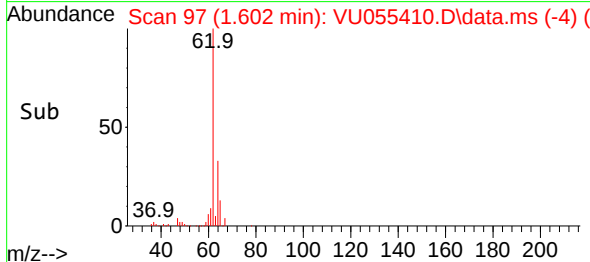
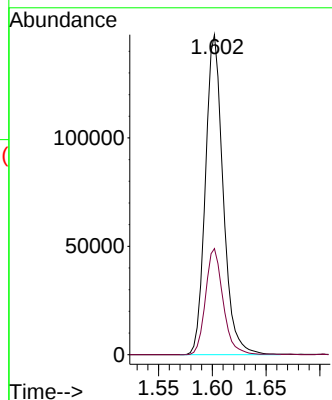


#5
 Vinyl chloride
 Concen: 8.284 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055410.D
 Acq: 19 Sep 2023 23:15

Instrument :
 MSVOA_U
 ClientSampleId :

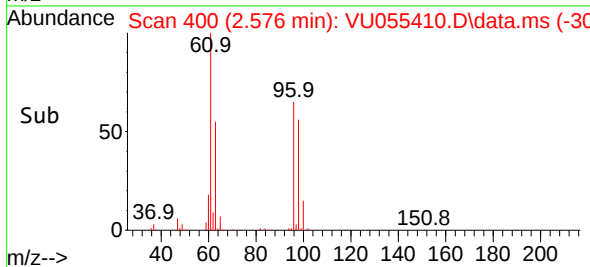
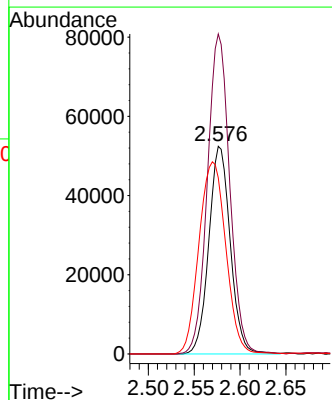
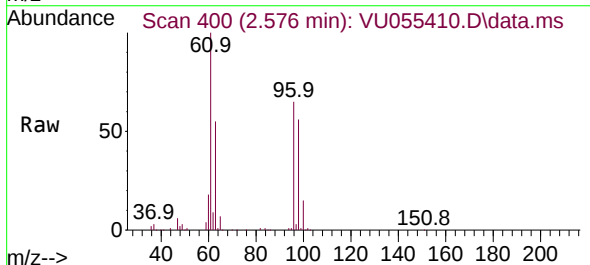


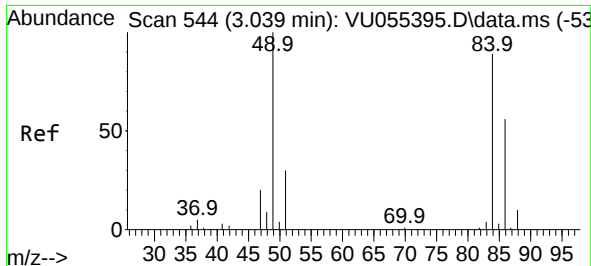
Tgt Ion: 62 Resp: 169656
 Ion Ratio Lower Upper
 62 100
 64 33.2 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 5.503 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055410.D
 Acq: 19 Sep 2023 23:15

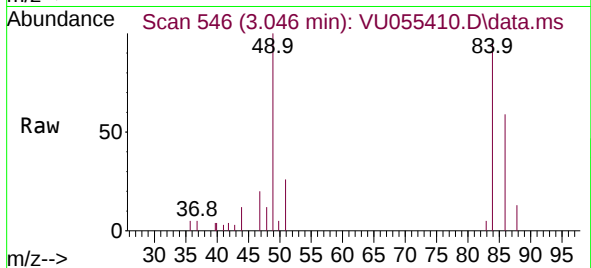
Tgt Ion: 96 Resp: 85271
 Ion Ratio Lower Upper
 96 100
 61 154.0 114.5 212.7
 63 84.8 98.3 182.5





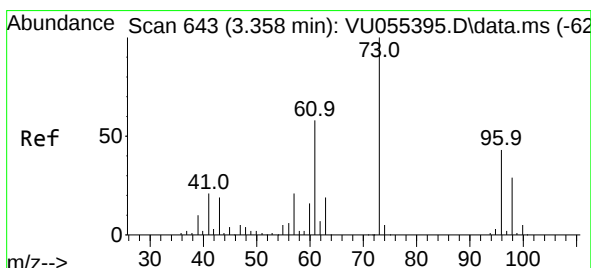
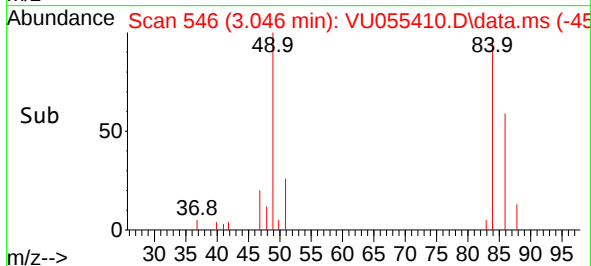
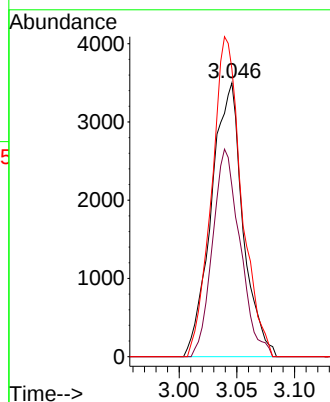
#16
Methylene chloride
Concen: 0.358 ug/L
RT: 3.046 min Scan# 54
Delta R.T. 0.006 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 84 Resp: 6643

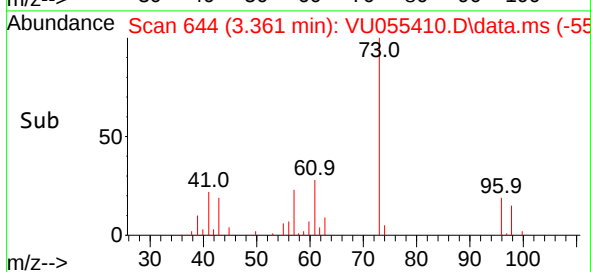
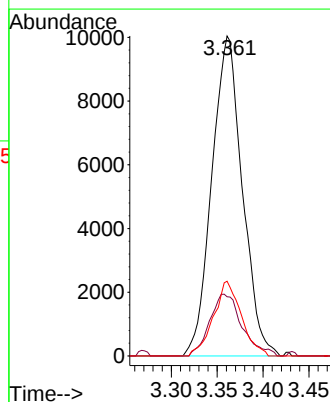
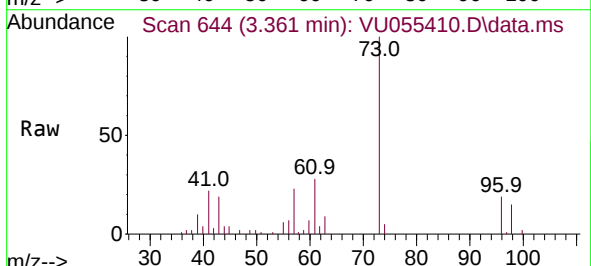
Ion	Ratio	Lower	Upper
84	100		
86	62.3	44.9	83.3
49	110.1	78.8	146.3

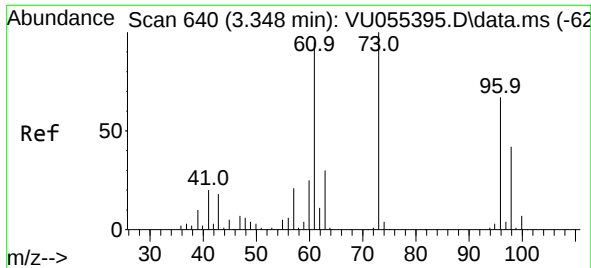


#17
Methyl tert-butyl Ether
Concen: 0.691 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.003 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

Tgt Ion: 73 Resp: 23216

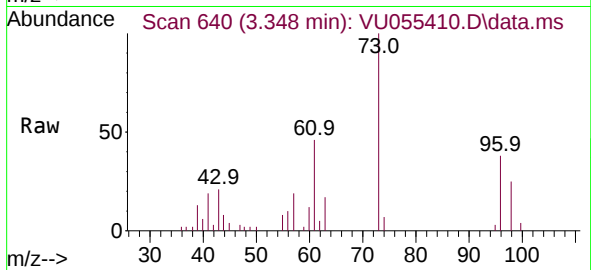
Ion	Ratio	Lower	Upper
73	100		
43	20.5	14.9	22.3
57	21.3	17.3	25.9



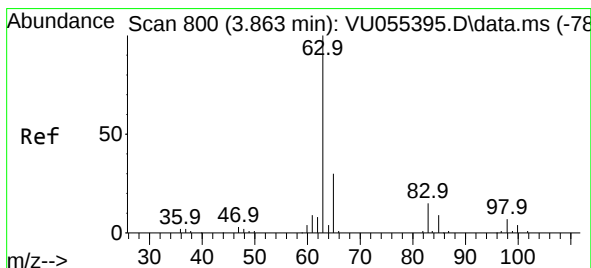
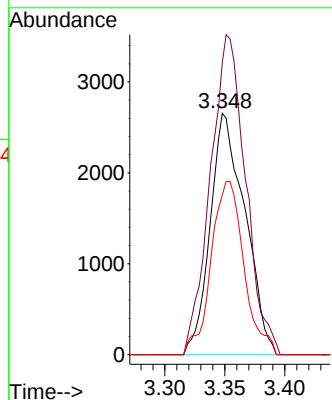
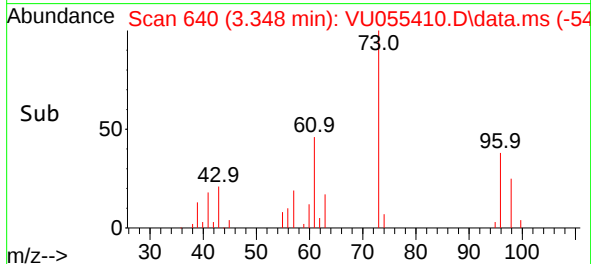


#18
trans-1,2-Dichloroethene
Concen: 0.343 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

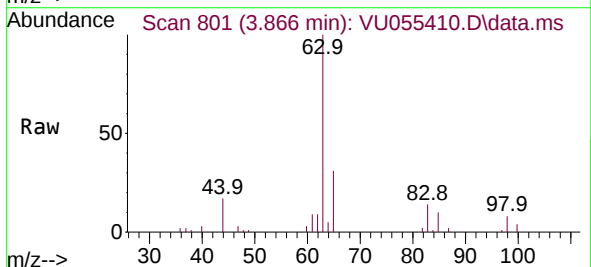
Instrument :
MSVOA_U
ClientSampleId :



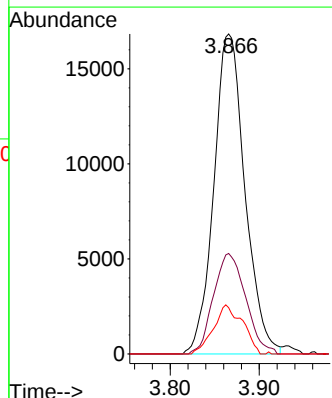
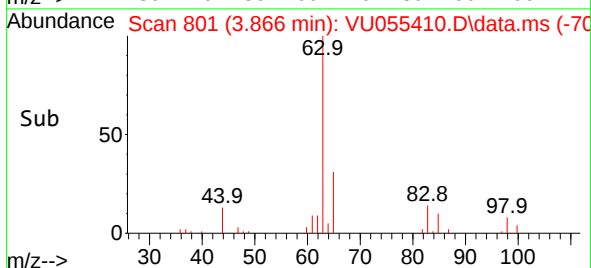
Tgt Ion: 96 Resp: 5359
Ion Ratio Lower Upper
96 100
61 120.9 94.6 175.6
98 66.1 45.7 84.9

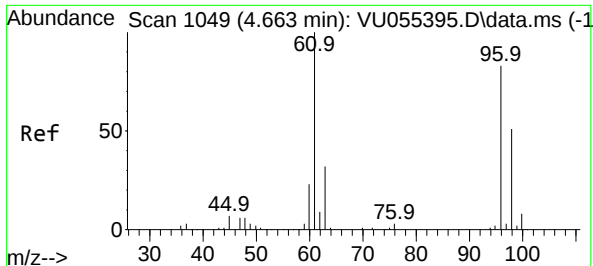


#19
1,1-Dichloroethane
Concen: 1.413 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15



Tgt Ion: 63 Resp: 40818
Ion Ratio Lower Upper
63 100
65 31.4 22.0 41.0
83 14.5 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 65.165 ug/L

RT: 4.660 min Scan# 1180

Delta R.T. -0.003 min

Lab File: VU055410.D

Acq: 19 Sep 2023 23:15

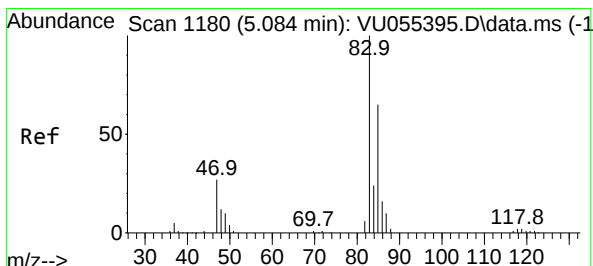
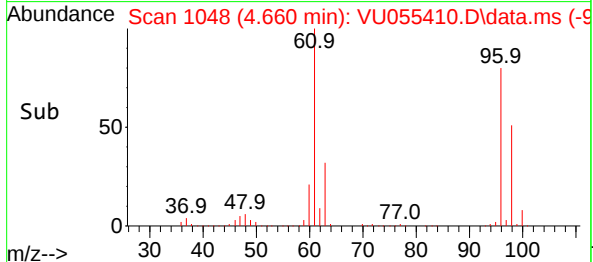
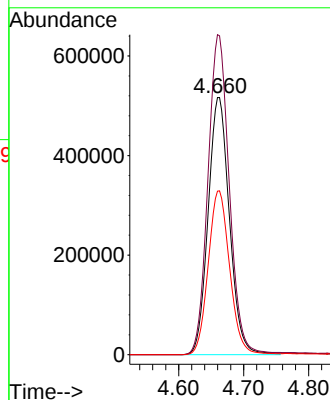
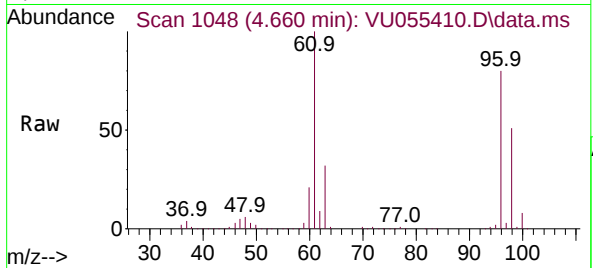
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 96 Resp: 1180037

Ion	Ratio	Lower	Upper
96	100		
61	124.5	87.8	163.2
98	63.6	44.4	82.4



#25

Chloroform

Concen: 0.600 ug/L

RT: 5.087 min Scan# 1181

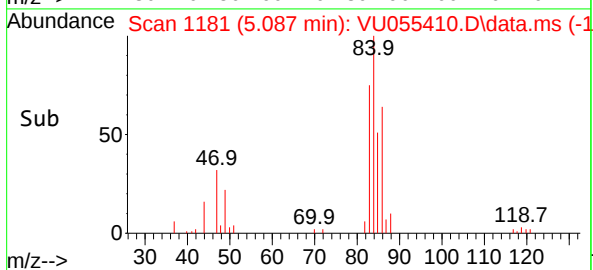
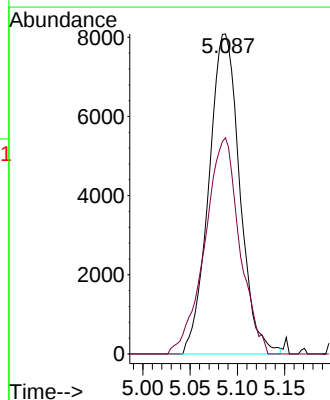
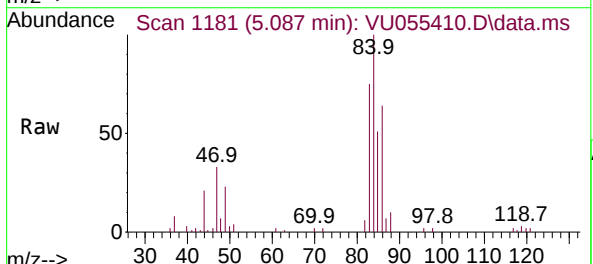
Delta R.T. 0.003 min

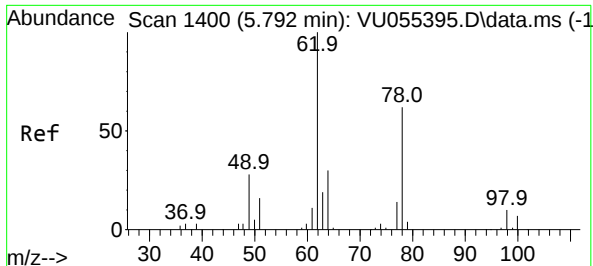
Lab File: VU055410.D

Acq: 19 Sep 2023 23:15

Tgt Ion: 83 Resp: 18366

Ion	Ratio	Lower	Upper
83	100		
85	67.5	44.9	83.5





#27

1,2-Dichloroethane

Concen: 0.482 ug/L

RT: 5.795 min Scan# 1400

Delta R.T. 0.003 min

Lab File: VU055410.D

Acq: 19 Sep 2023 23:15

Instrument :

MSVOA_U

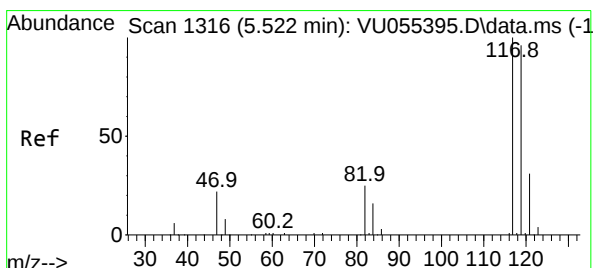
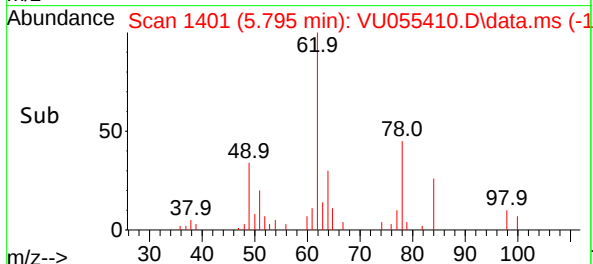
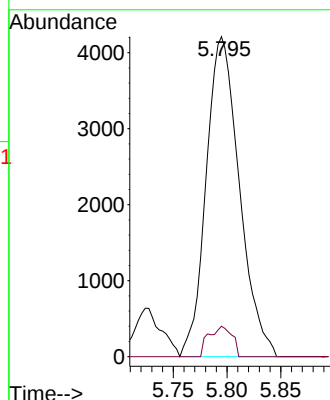
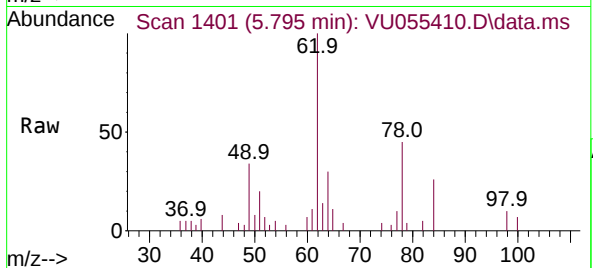
ClientSampleId :

Tgt Ion: 62 Resp: 9047

Ion Ratio Lower Upper

62 100

98 9.5 7.0 10.4



#31

Carbon tetrachloride

Concen: 0.315 ug/L

RT: 5.521 min Scan# 1316

Delta R.T. -0.000 min

Lab File: VU055410.D

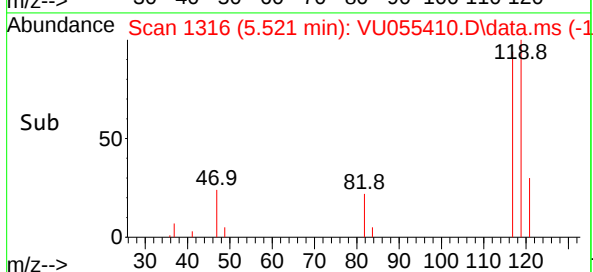
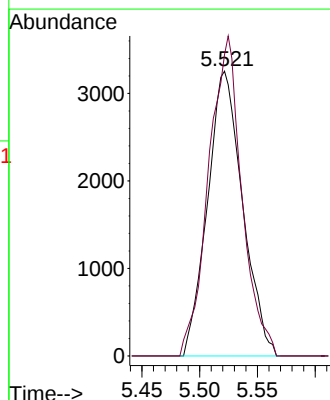
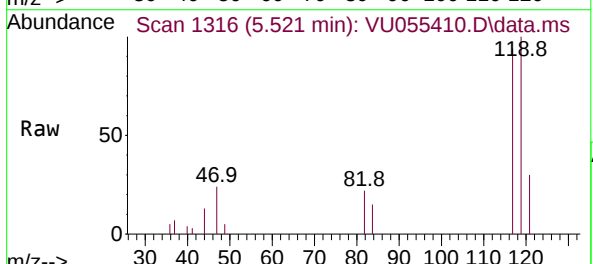
Acq: 19 Sep 2023 23:15

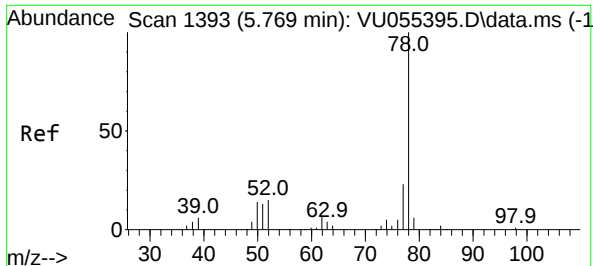
Tgt Ion: 117 Resp: 6884

Ion Ratio Lower Upper

117 100

119 106.2 75.2 112.8

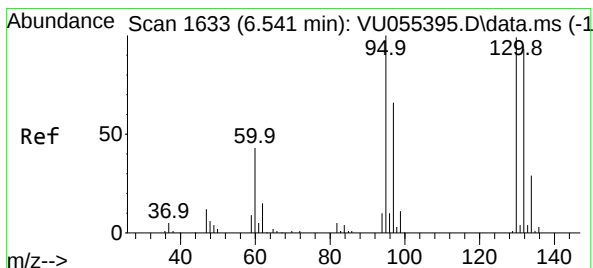
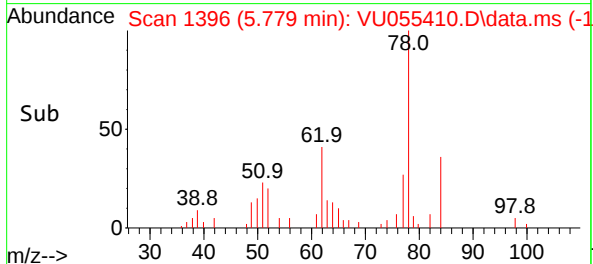
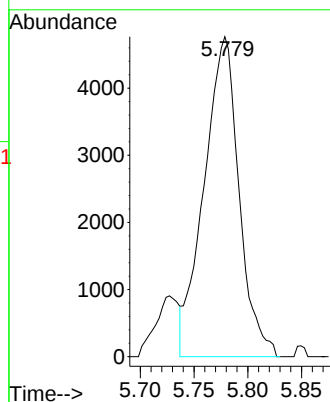
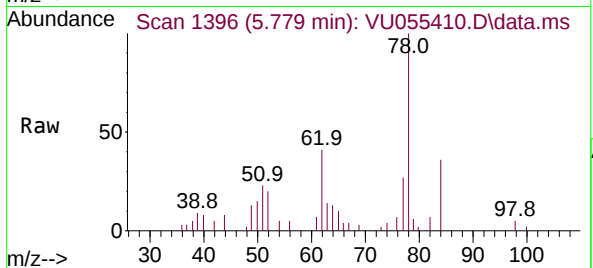




#33
Benzene
Concen: 0.168 ug/L
RT: 5.779 min Scan# 11
Delta R.T. 0.009 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

Instrument :
MSVOA_U
ClientSampleId :

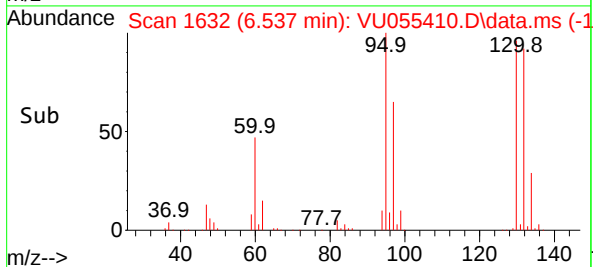
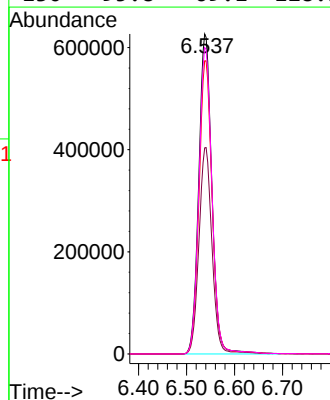
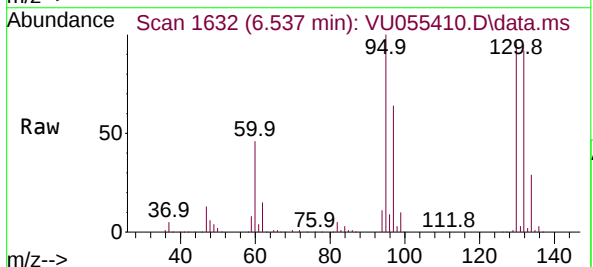
Tgt Ion: 78 Resp: 10767

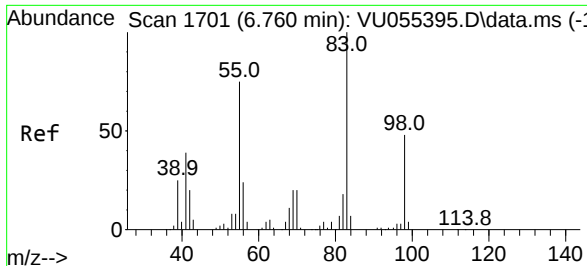


#34
Trichloroethene
Concen: 65.524 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

Tgt Ion: 95 Resp: 1191196

Ion	Ratio	Lower	Upper
95	100		
97	64.4	45.4	84.2
132	91.6	65.2	121.2
130	95.8	69.1	128.3

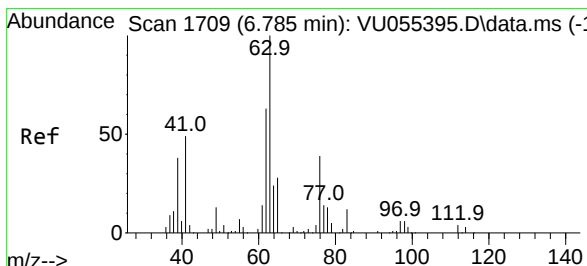
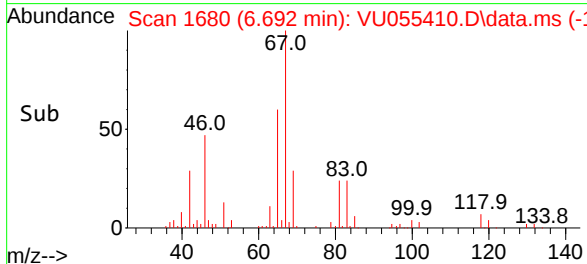
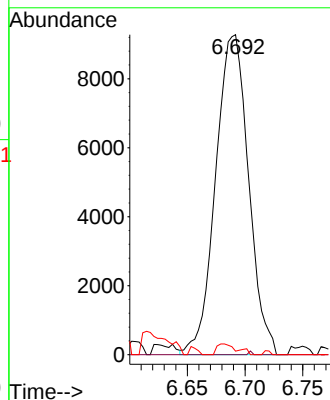
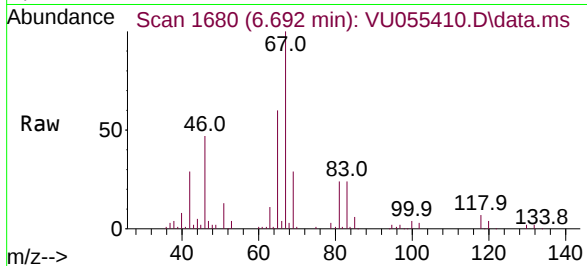




#35
Methylcyclohexane
Concen: 0.704 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.068 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

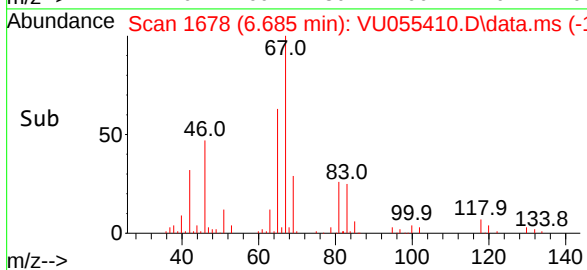
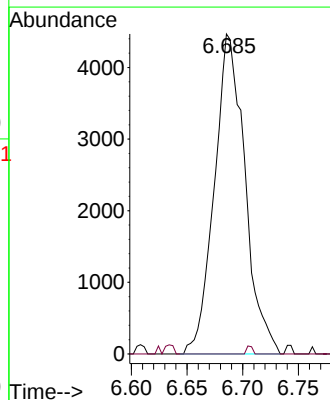
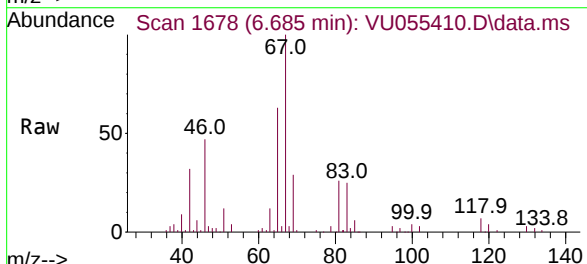
Instrument :
MSVOA_U
ClientSampleId :

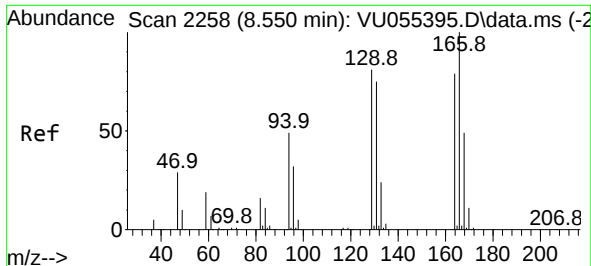
Tgt Ion: 83 Resp: 18433
Ion Ratio Lower Upper
83 100
55 0.1 59.1 88.7#
98 5.4 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.508 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

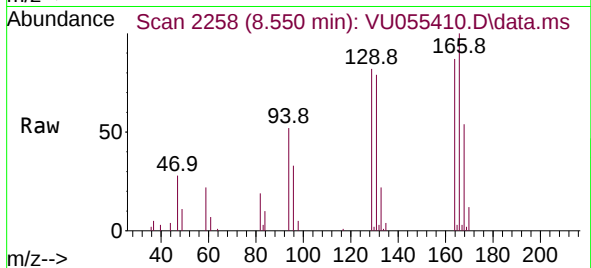
Tgt Ion: 63 Resp: 8542
Ion Ratio Lower Upper
63 100
112 0.5 3.0 4.6#



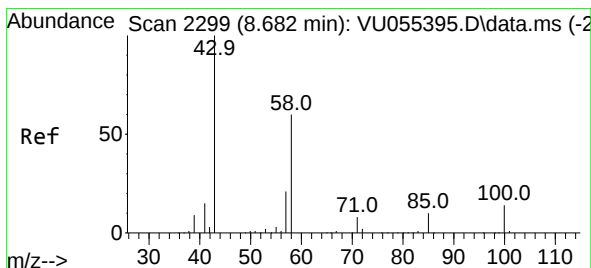
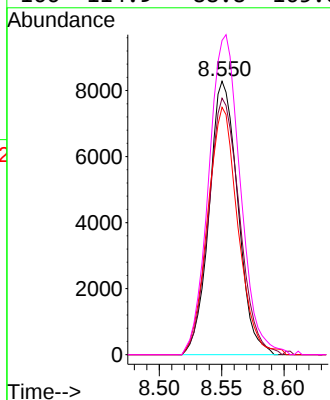
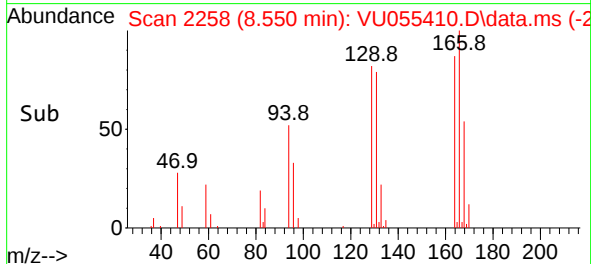


#47
Tetrachloroethene
Concen: 1.016 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

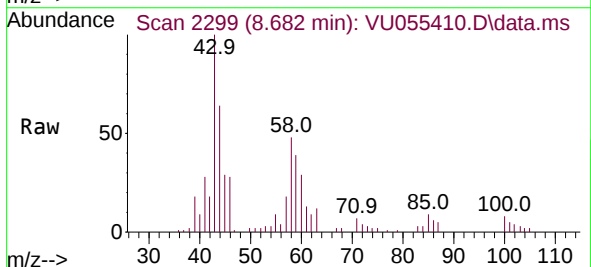
Instrument :
MSVOA_U
ClientSampleId :



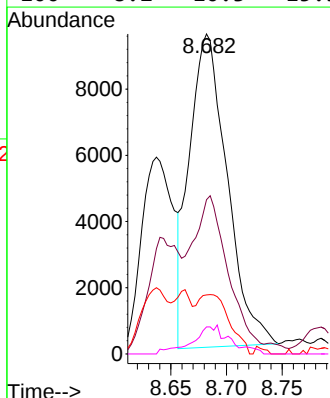
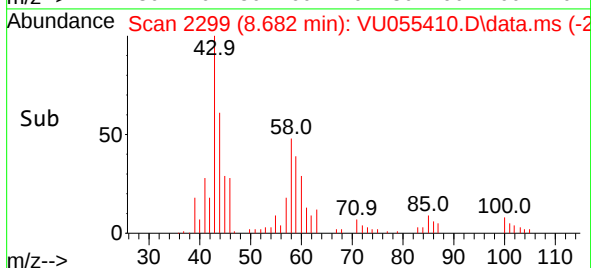
Tgt Ion:164 Resp: 13249
Ion Ratio Lower Upper
164 100
129 93.8 67.4 125.2
131 90.4 66.4 123.2
166 114.9 88.8 165.0

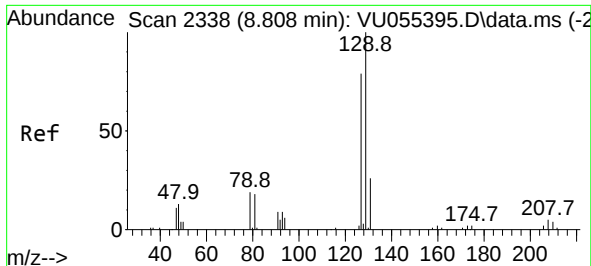


#48
2-Hexanone
Concen: 3.773 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.000 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15



Tgt Ion: 43 Resp: 22294
Ion Ratio Lower Upper
43 100
58 43.0 48.5 72.7#
57 15.0 17.0 25.4#
100 8.2 10.3 15.5#

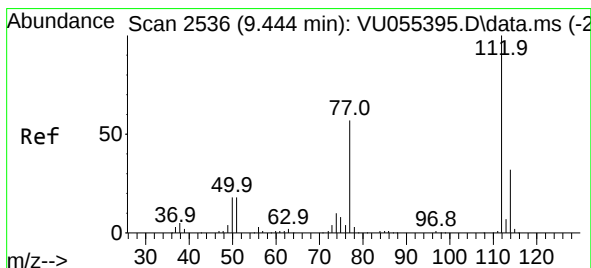
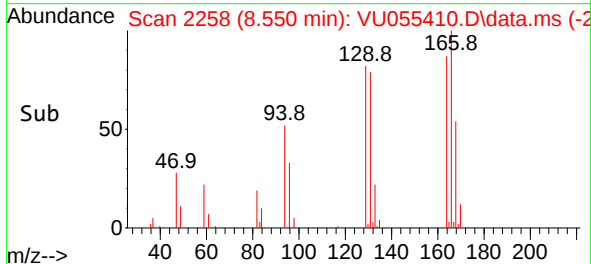
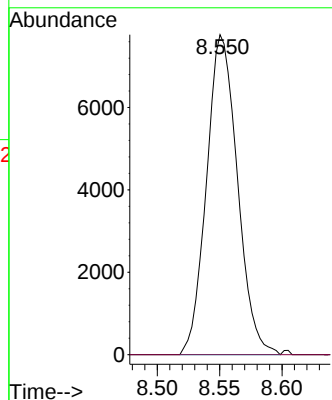
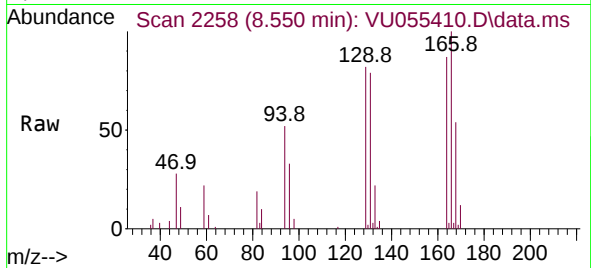




#49
Dibromochloromethane
Concen: 1.085 ug/L
RT: 8.550 min Scan# 21
Delta R.T. -0.257 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

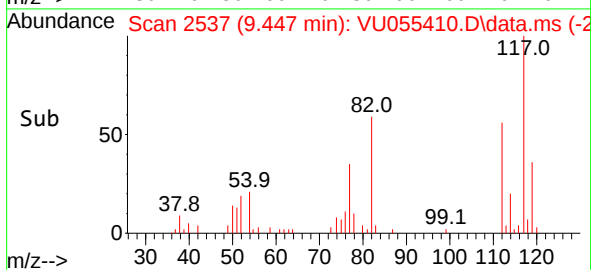
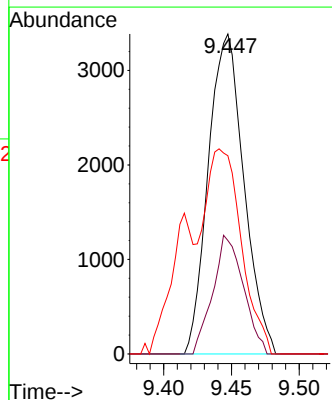
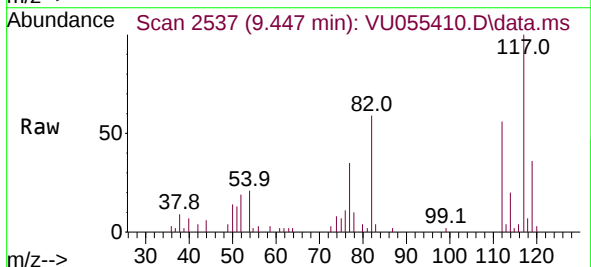
Instrument :
MSVOA_U
ClientSampleId :

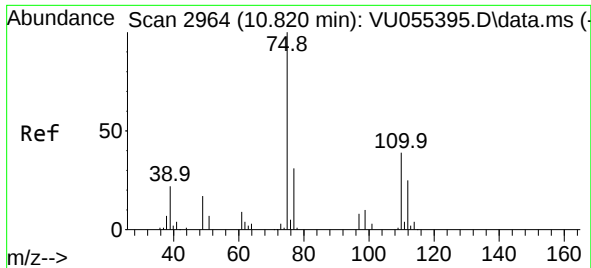
Tgt Ion:129 Resp: 13405
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#



#51
Chlorobenzene
Concen: 0.141 ug/L
RT: 9.447 min Scan# 2537
Delta R.T. 0.003 min
Lab File: VU055410.D
Acq: 19 Sep 2023 23:15

Tgt Ion:112 Resp: 6183
Ion Ratio Lower Upper
112 100
114 35.4 22.0 40.8
77 61.9 46.9 70.3





#61

1,2,3-Trichloropropane

Concen: 1.668 ug/L

RT: 11.807 min Scan# 31

Delta R.T. 0.987 min

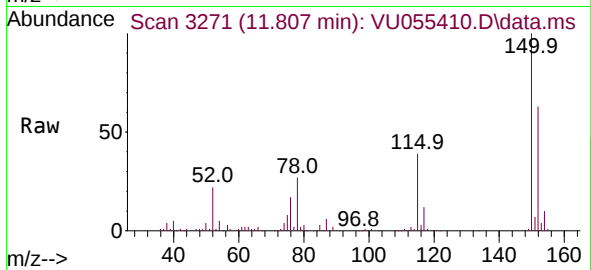
Lab File: VU055410.D

Acq: 19 Sep 2023 23:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 13674

Ion Ratio Lower Upper

75 100

110 2.6 30.6 45.8#

77 29.4 26.7 40.1

