

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055420.D
 Acq On : 20 Sep 2023 13:08
 Operator : MD/SY
 Sample : 04398-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 00:28:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Sep 21 00:26:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	237620	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	245926	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	120736	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	114834	4.782	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.600%
7) Chloroethane-d5	1.911	69	102858	4.860	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.200%
11) 1,1-Dichloroethene-d2	2.563	65	50080	5.066	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	101.400%
20) 2-Butanone-d5	4.628	46	247500	57.056	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.120%
24) Chloroform-d	5.058	84	227069	5.227	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.600%
26) 1,2-Dichloroethane-d4	5.698	65	117095	5.604	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.000%
32) Benzene-d6	5.724	84	461715	5.368	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.400%
36) 1,2-Dichloropropane-d6	6.685	67	141476	5.505	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	110.000%
41) Toluene-d8	7.894	98	405216	5.168	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.400%
43) trans-1,3-Dichloroprop...	8.177	79	48060	5.328	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.600%
46) 2-Hexanone-d5	8.631	63	132207	48.190	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	96.380%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	100876	5.237	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	140137	5.751	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.000%

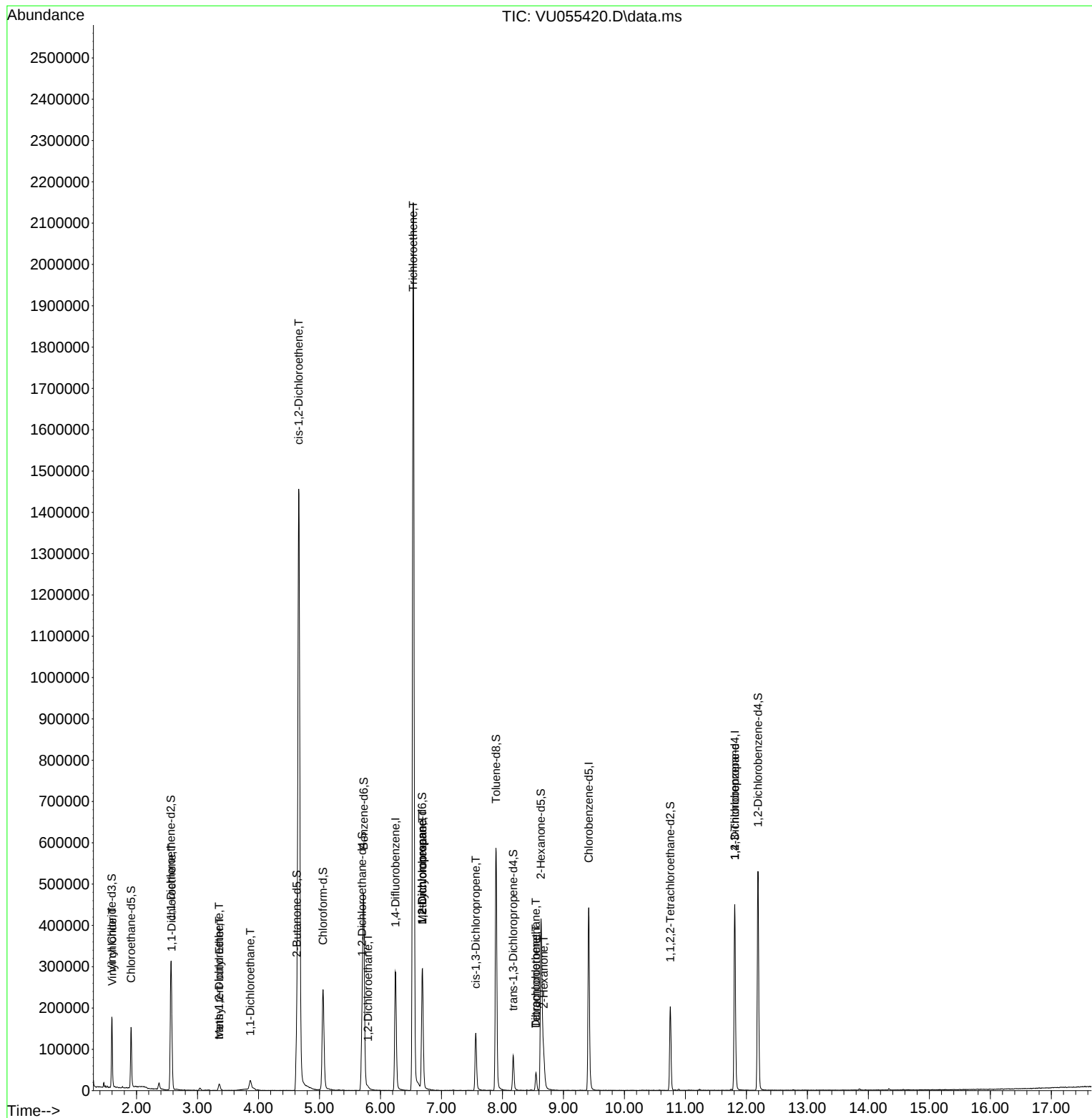
Target Compounds				Qvalue		
5) Vinyl chloride	1.602	62	9863	0.449	ug/L #	79
12) 1,1-Dichloroethene	2.576	96	33972	2.045	ug/L #	37
17) Methyl tert-butyl Ether	3.358	73	12503	0.347	ug/L #	93
18) trans-1,2-Dichloroethene	3.354	96	2092	0.125	ug/L	83
19) 1,1-Dichloroethane	3.866	63	21973	0.710	ug/L	98
22) cis-1,2-Dichloroethene	4.660	96	756509	38.966	ug/L	99
27) 1,2-Dichloroethane	5.795	62	3394	0.169	ug/L #	76
34) Trichloroethene	6.537	95	740479	36.984	ug/L	99
35) Methylcyclohexane	6.689	83	33024	1.145	ug/L #	22
37) 1,2-Dichloropropane	6.689	63	15826	0.855	ug/L #	89
39) cis-1,3-Dichloropropene	7.563	75	3807	0.154	ug/L #	54
47) Tetrachloroethene	8.550	164	8964	0.624	ug/L	91
48) 2-Hexanone	8.679	43	38855	5.970	ug/L #	83
49) Dibromochloromethane	8.550	129	8857	0.651	ug/L #	9
61) 1,2,3-Trichloropropane	11.811	75	16124	1.711	ug/L #	68

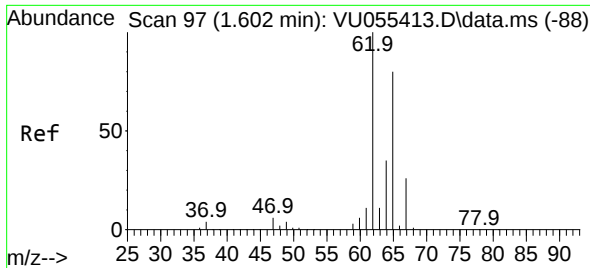
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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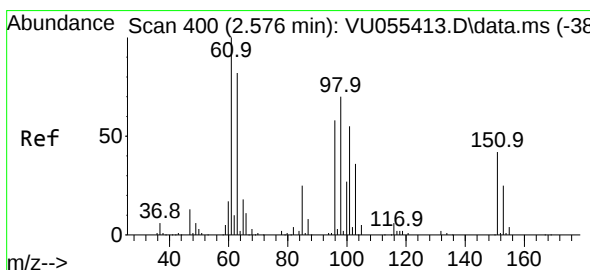
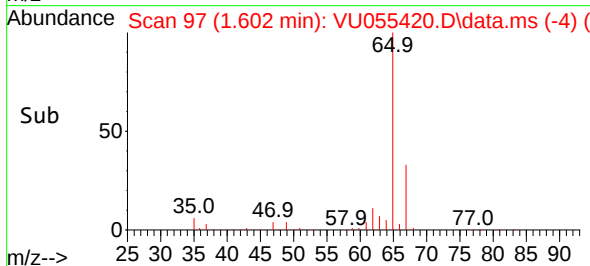
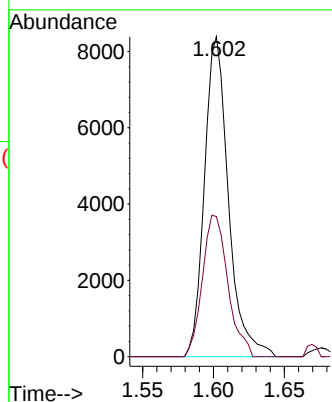
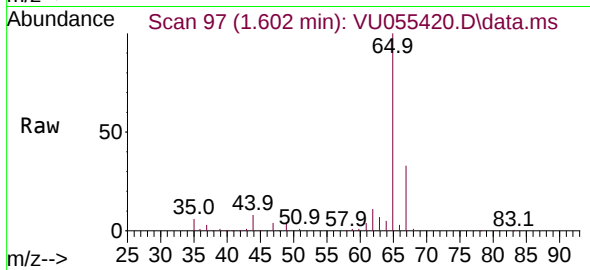




#5
 Vinyl chloride
 Concen: 0.449 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU055420.D
 Acq: 20 Sep 2023 13:08

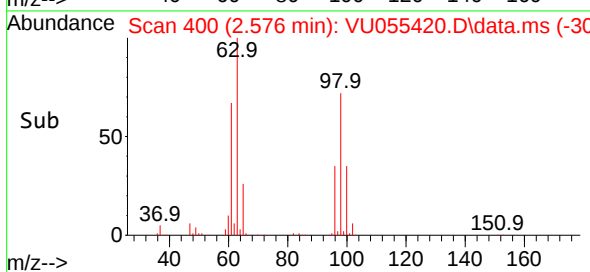
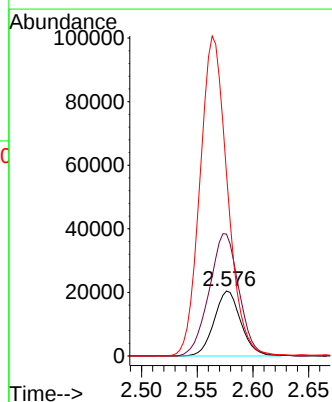
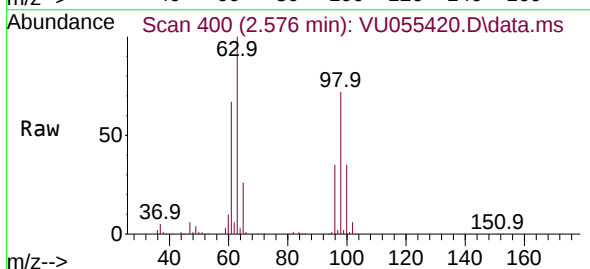
Instrument :
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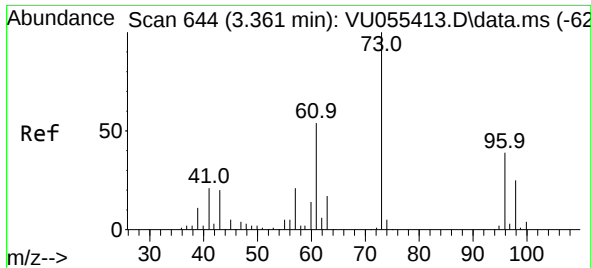
Tgt Ion: 62 Resp: 9863
 Ion Ratio Lower Upper
 62 100
 64 43.8 22.3 41.5#



#12
 1,1-Dichloroethene
 Concen: 2.045 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU055420.D
 Acq: 20 Sep 2023 13:08

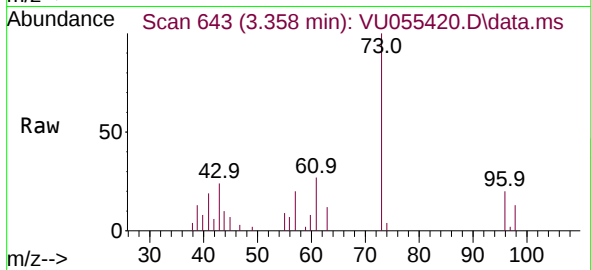
Tgt Ion: 96 Resp: 33972
 Ion Ratio Lower Upper
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 61 187.9 114.5 212.7
 63 281.9 98.3 182.5#



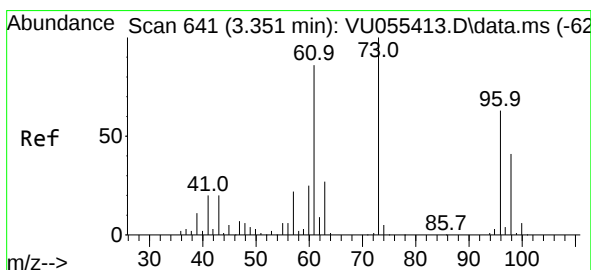
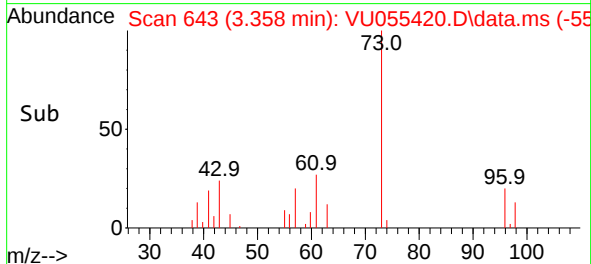
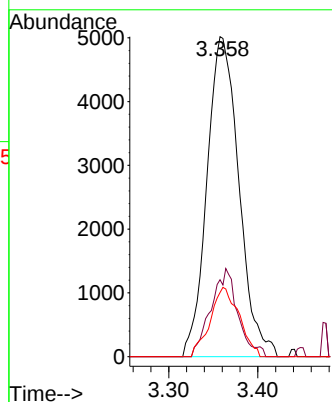


#17
Methyl tert-butyl Ether
Concen: 0.347 ug/L
RT: 3.358 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

Instrument :
MSVOA_U
ClientSampleId :

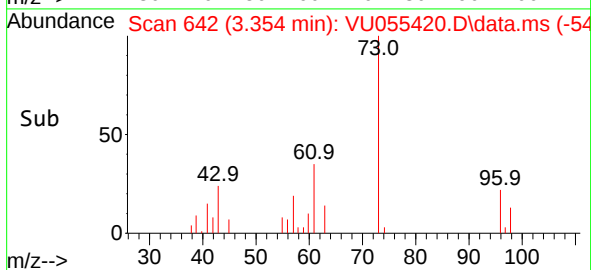
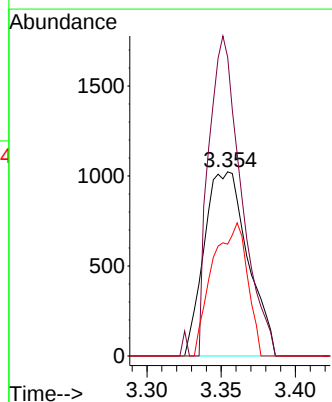
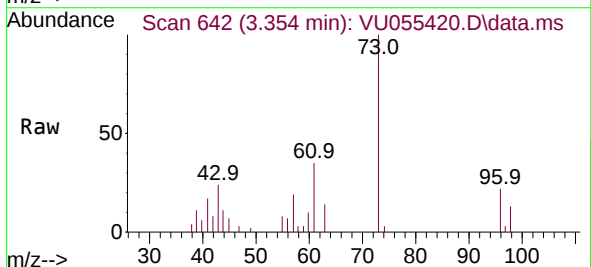


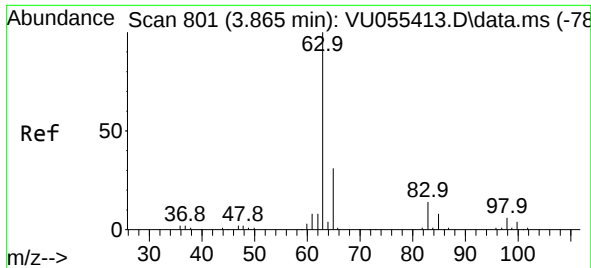
Tgt Ion: 73 Resp: 12503
Ion Ratio Lower Upper
73 100
43 23.2 14.9 22.3#
57 19.6 17.3 25.9



#18
trans-1,2-Dichloroethene
Concen: 0.125 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

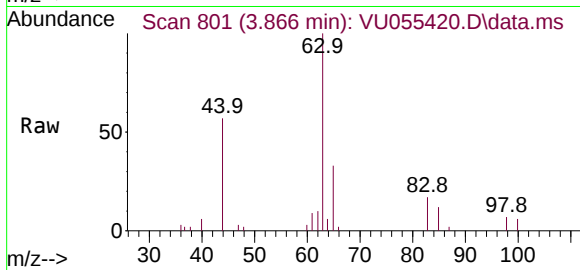
Tgt Ion: 96 Resp: 2092
Ion Ratio Lower Upper
96 100
61 162.1 94.6 175.6
98 60.8 45.7 84.9



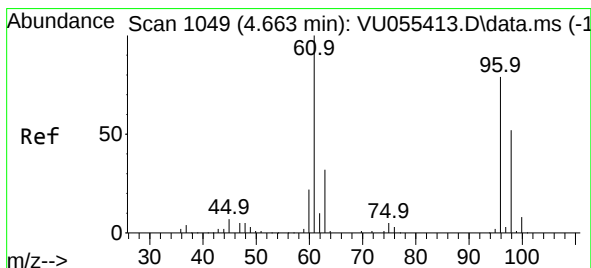
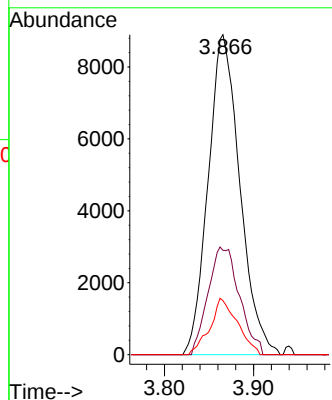
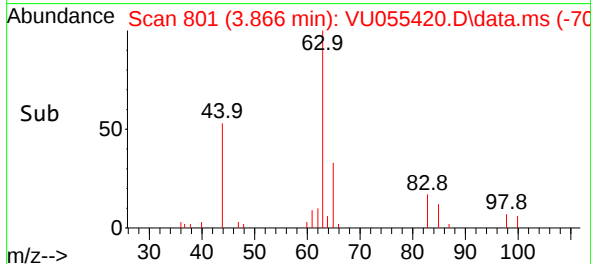


#19
1,1-Dichloroethane
Concen: 0.710 ug/L
RT: 3.866 min Scan# 801
Delta R.T. 0.000 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

Instrument :
MSVOA_U
ClientSampleId :

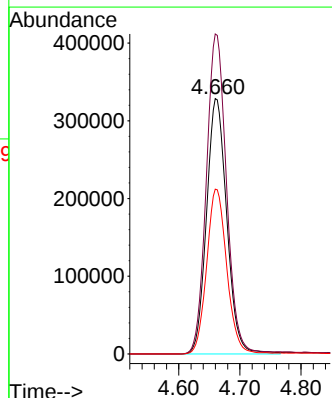
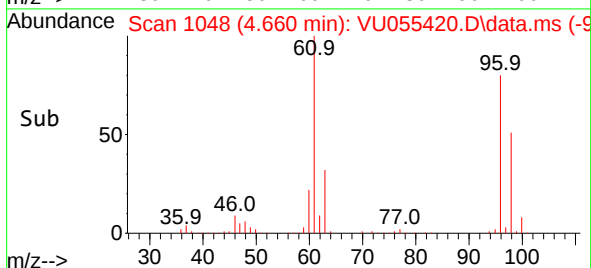
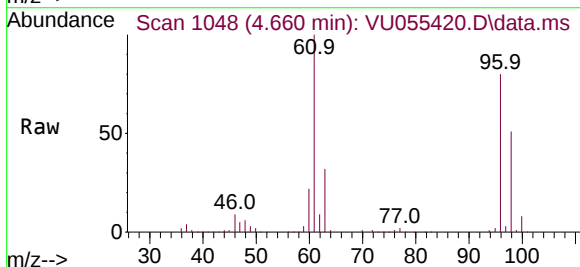


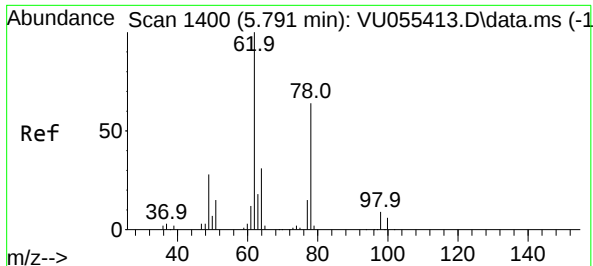
Tgt Ion: 63 Resp: 21973
Ion Ratio Lower Upper
63 100
65 30.8 22.0 41.0
83 16.0 10.1 18.9



#22
cis-1,2-Dichloroethene
Concen: 38.966 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

Tgt Ion: 96 Resp: 756509
Ion Ratio Lower Upper
96 100
61 125.3 87.8 163.2
98 64.5 44.4 82.4

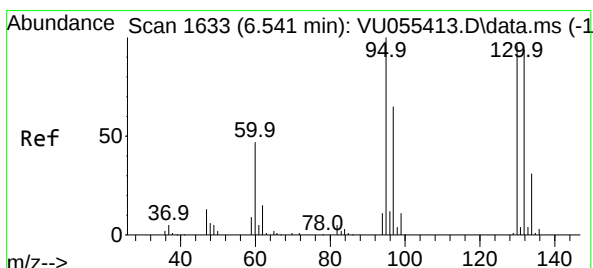
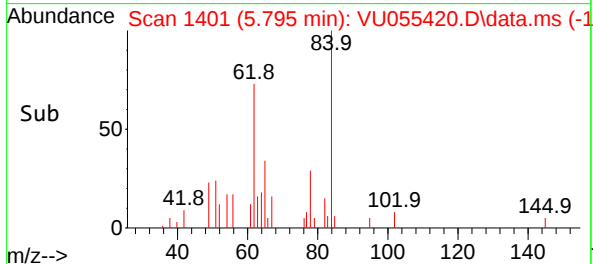
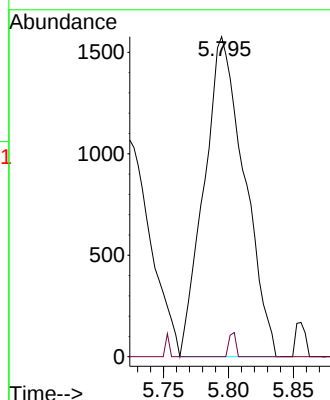
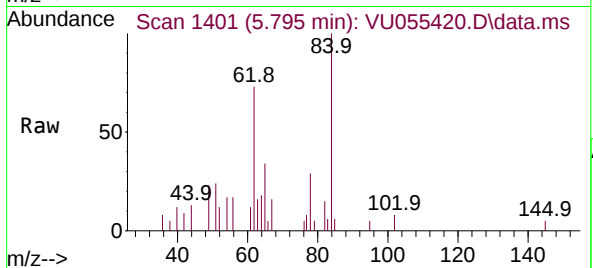




#27
1,2-Dichloroethane
Concen: 0.169 ug/L
RT: 5.795 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

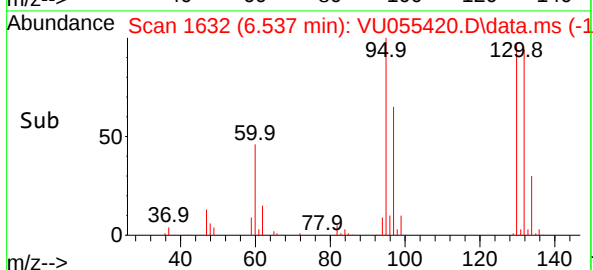
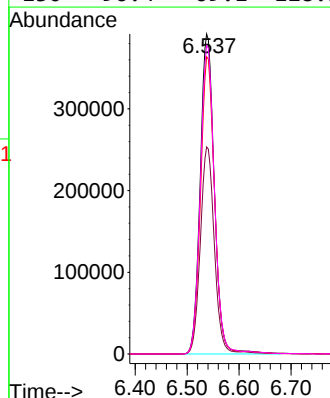
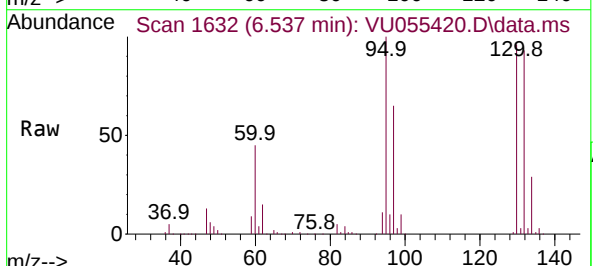
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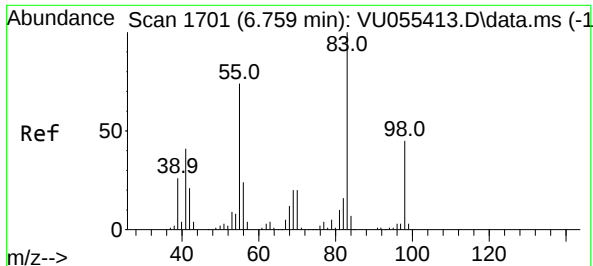
Tgt Ion: 62 Resp: 3394
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#



#34
Trichloroethene
Concen: 36.984 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

Tgt Ion: 95 Resp: 740479
Ion Ratio Lower Upper
95 100
97 64.7 45.4 84.2
132 92.8 65.2 121.2
130 96.4 69.1 128.3

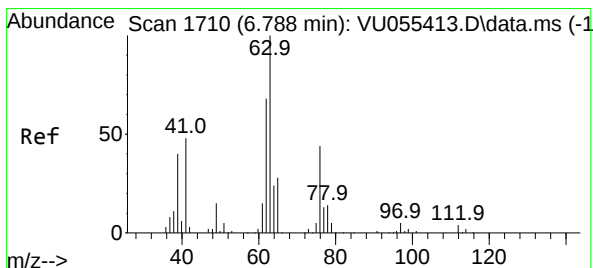
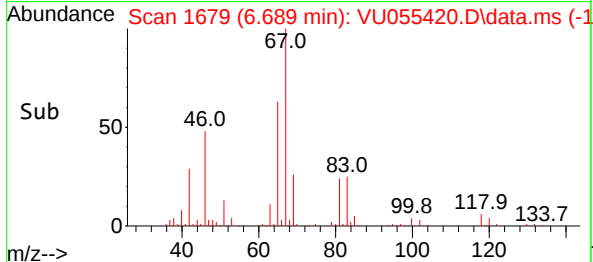
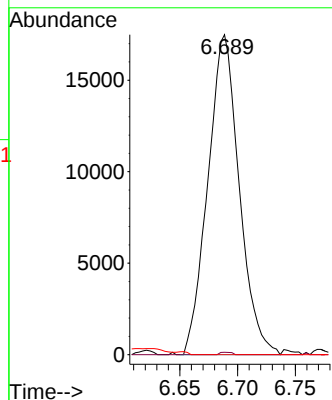
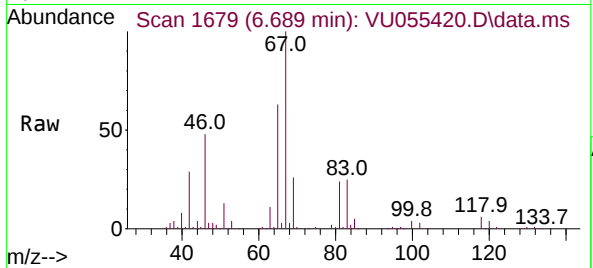




#35
Methylcyclohexane
Concen: 1.145 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.071 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

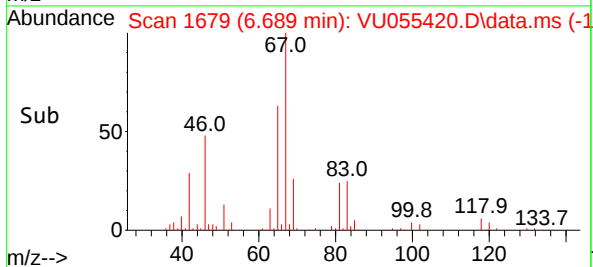
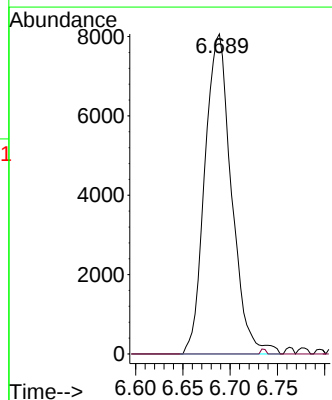
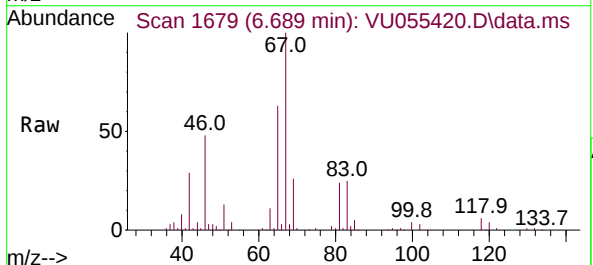
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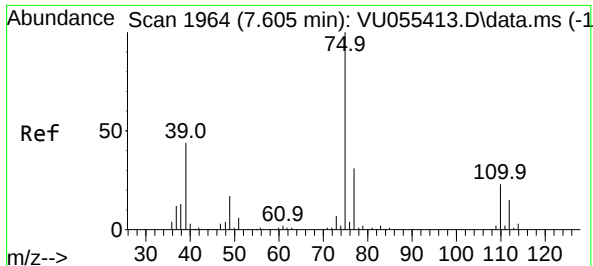
Tgt Ion: 83 Resp: 33024
Ion Ratio Lower Upper
83 100
55 0.3 59.1 88.7#
98 3.6 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.855 ug/L
RT: 6.689 min Scan# 1679
Delta R.T. -0.100 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

Tgt Ion: 63 Resp: 15826
Ion Ratio Lower Upper
63 100
112 0.3 3.0 4.6#





#39

cis-1,3-Dichloropropene

Concen: 0.154 ug/L

RT: 7.563 min Scan# 1964

Delta R.T. -0.042 min

Lab File: VU055420.D

Acq: 20 Sep 2023 13:08

Instrument :

MSVOA_U

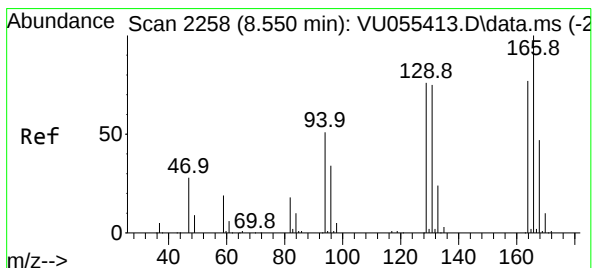
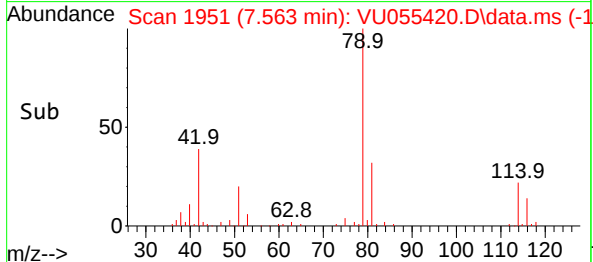
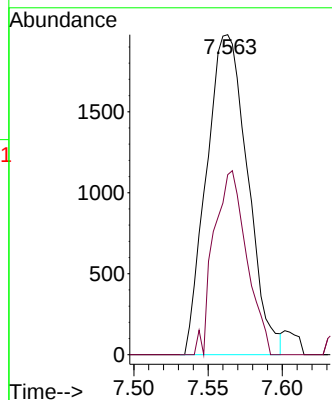
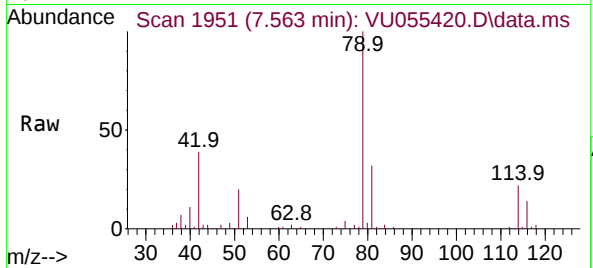
ClientSampleId :

Tgt Ion: 75 Resp: 3807

Ion Ratio Lower Upper

75 100

77 56.3 21.6 40.2#



#47

Tetrachloroethene

Concen: 0.624 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.000 min

Lab File: VU055420.D

Acq: 20 Sep 2023 13:08

Tgt Ion: 164 Resp: 8964

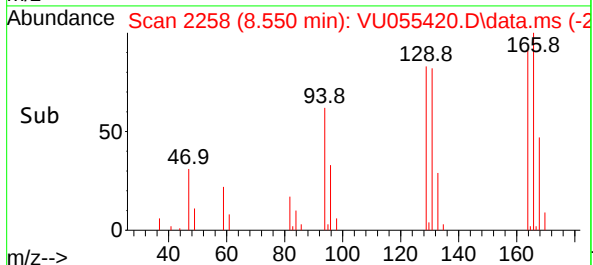
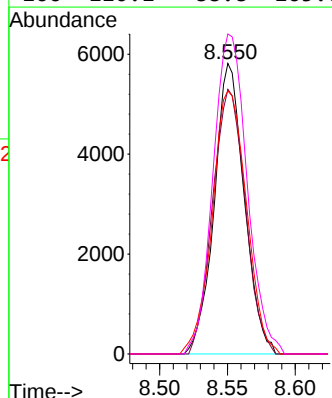
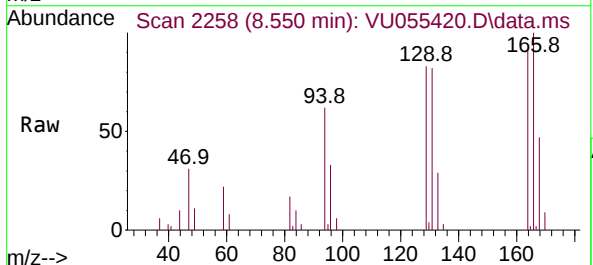
Ion Ratio Lower Upper

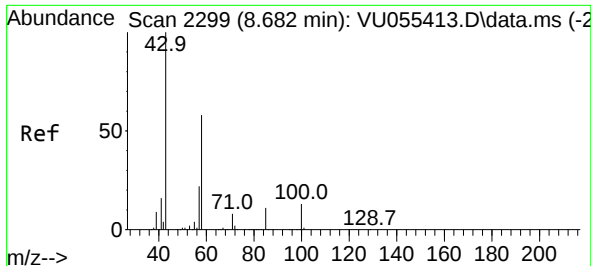
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129 91.1 67.4 125.2

131 90.5 66.4 123.2

166 110.1 88.8 165.0

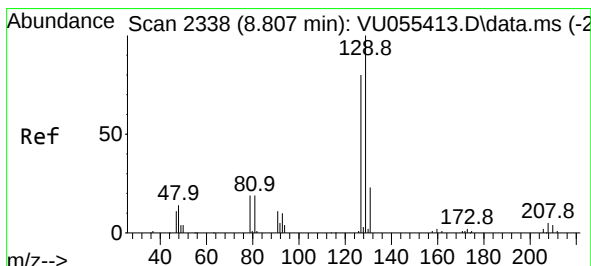
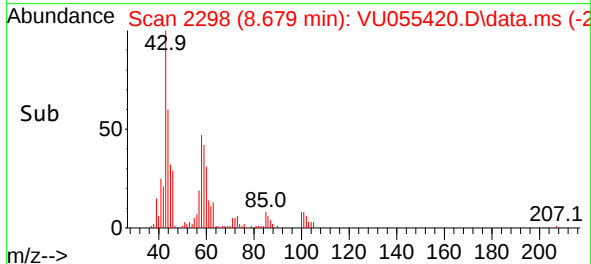
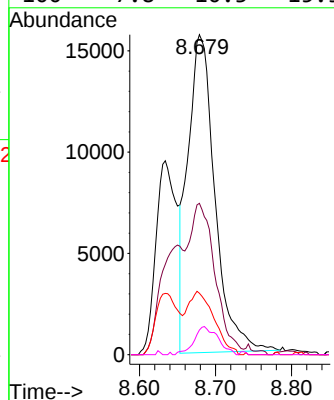
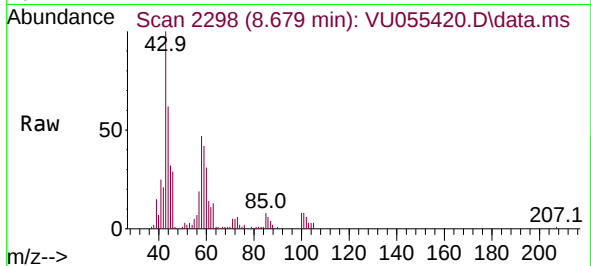




#48
2-Hexanone
Concen: 5.970 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

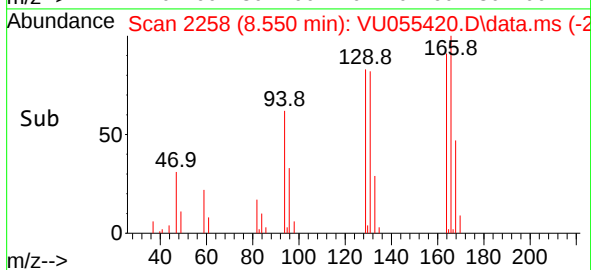
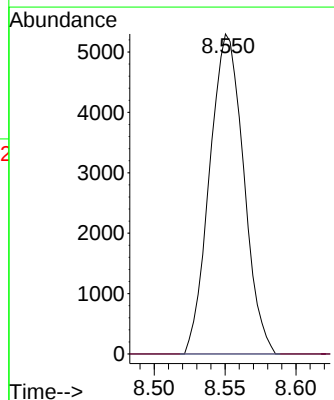
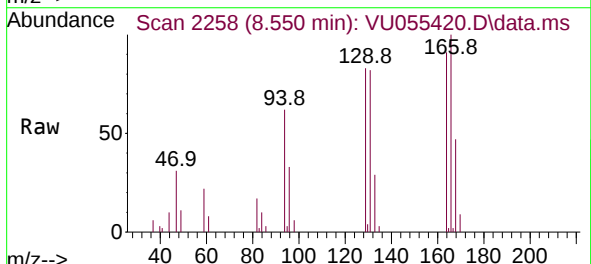
Instrument :
MSVOA_U
ClientSampleId :

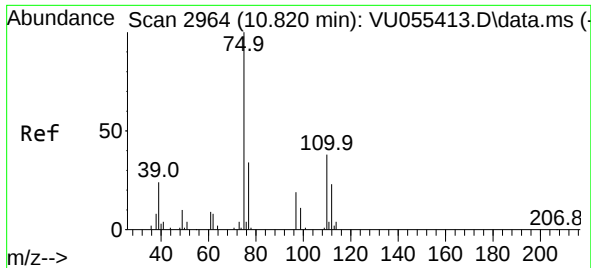
Tgt Ion: 43 Resp: 38855
Ion Ratio Lower Upper
43 100
58 43.0 48.5 72.7#
57 19.6 17.0 25.4
100 7.8 10.3 15.5#



#49
Dibromochloromethane
Concen: 0.651 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055420.D
Acq: 20 Sep 2023 13:08

Tgt Ion: 129 Resp: 8857
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#





#61

1,2,3-Trichloropropane

Concen: 1.711 ug/L

RT: 11.811 min Scan# 31

Delta R.T. 0.990 min

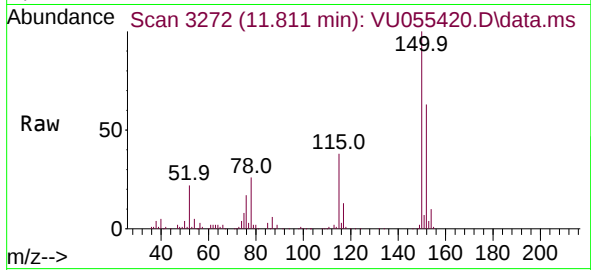
Lab File: VU055420.D

Acq: 20 Sep 2023 13:08

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 75 Resp: 16124

Ion Ratio Lower Upper

75 100

110 3.4 30.6 45.8#

77 34.7 26.7 40.1

