

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092023\
 Data File : VU055421.D
 Acq On : 20 Sep 2023 13:32
 Operator : MD/SY
 Sample : 04398-06
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Sep 21 00:28:54 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

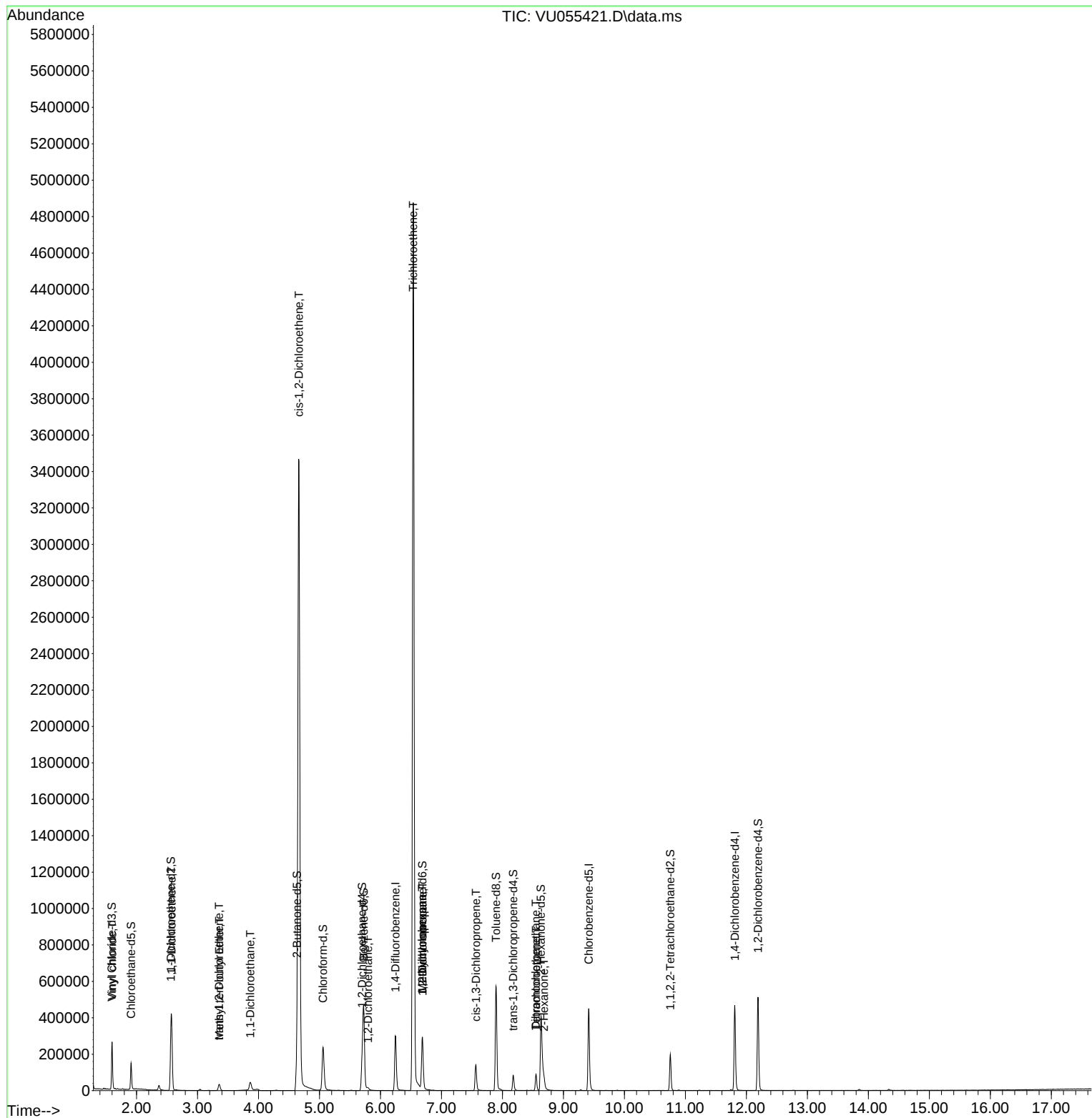
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	249906	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	255498	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	123333	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	111006	4.395	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	87.800%	
7) Chloroethane-d5	1.911	69	100978	4.537	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	90.800%	
11) 1,1-Dichloroethene-d2	2.563	65	47397	4.559	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	91.200%	
20) 2-Butanone-d5	4.631	46	239987	52.604	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	105.200%	
24) Chloroform-d	5.058	84	222896	4.879	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	97.600%	
26) 1,2-Dichloroethane-d4	5.698	65	113890	5.183	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.600%	
32) Benzene-d6	5.724	84	456198	5.105	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	102.000%	
36) 1,2-Dichloropropane-d6	6.689	67	139713	5.232	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	104.600%	
41) Toluene-d8	7.894	98	392913	4.824	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	96.400%	
43) trans-1,3-Dichloroprop...	8.177	79	48379	5.163	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	103.200%	
46) 2-Hexanone-d5	8.631	63	126976	44.549	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	89.100%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	97764	4.885	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	97.800%	
66) 1,2-Dichlorobenzene-d4	12.190	152	138060	5.546	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	111.000%	
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	84378	3.654	ug/L	96
12) 1,1-Dichloroethene	2.576	96	88958	5.091	ug/L	96
17) Methyl tert-butyl Ether	3.357	73	20353	0.537	ug/L	98
18) trans-1,2-Dichloroethene	3.354	96	7931	0.450	ug/L	98
19) 1,1-Dichloroethane	3.865	63	47940	1.472	ug/L	95
22) cis-1,2-Dichloroethene	4.663	96	1839011	90.067	ug/L	99
27) 1,2-Dichloroethane	5.795	62	9244	0.437	ug/L #	94
34) Trichloroethene	6.537	95	1696813	81.573	ug/L	98
35) Methylcyclohexane	6.685	83	32034	1.069	ug/L #	20
37) 1,2-Dichloropropane	6.692	63	16068	0.835	ug/L #	89
39) cis-1,3-Dichloropropene	7.566	75	3519	0.137	ug/L #	54
47) Tetrachloroethene	8.553	164	19058	1.277	ug/L	96
48) 2-Hexanone	8.682	43	38603	5.709	ug/L #	79
49) Dibromochloromethane	8.550	129	18292	1.294	ug/L #	9

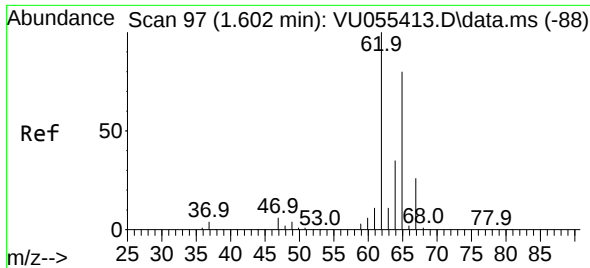
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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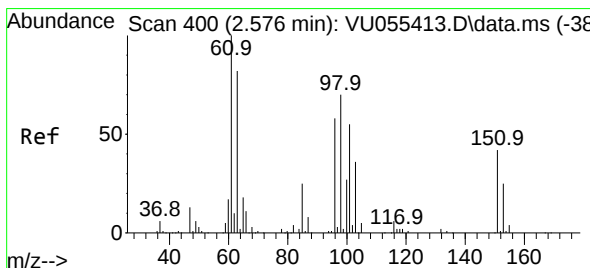
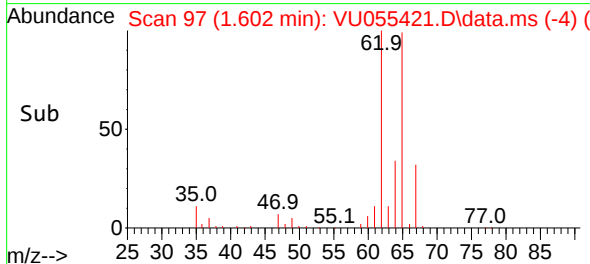
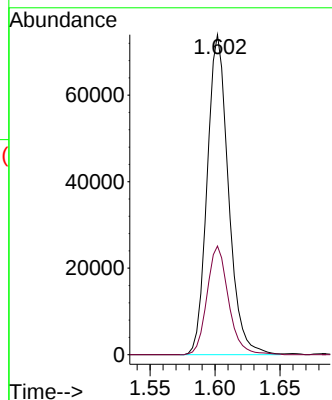
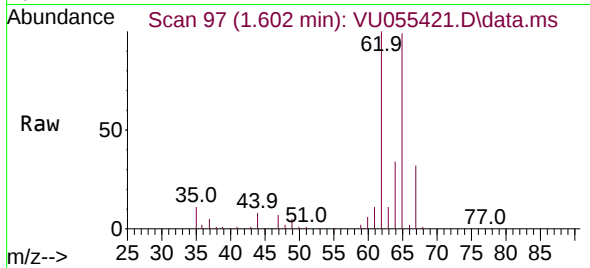




#5
 Vinyl chloride
 Concen: 3.654 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

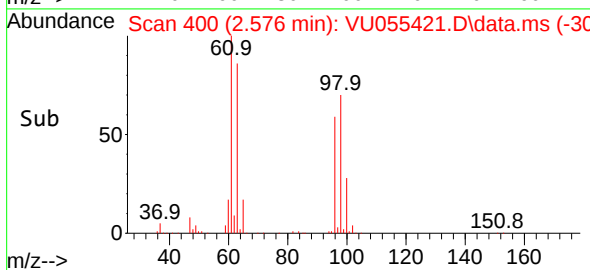
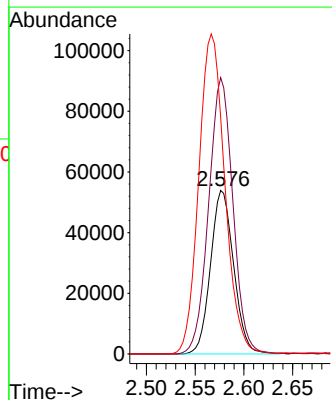
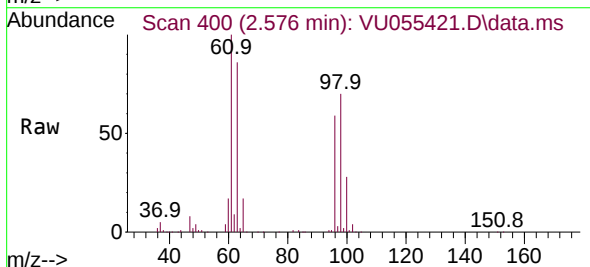
Instrument :
 MSVOA_U
 ClientSampleId :

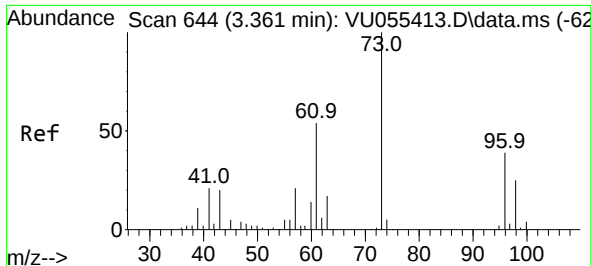
Tgt Ion: 62 Resp: 84378
 Ion Ratio Lower Upper
 62 100
 64 33.9 22.3 41.5



#12
 1,1-Dichloroethene
 Concen: 5.091 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. -0.000 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

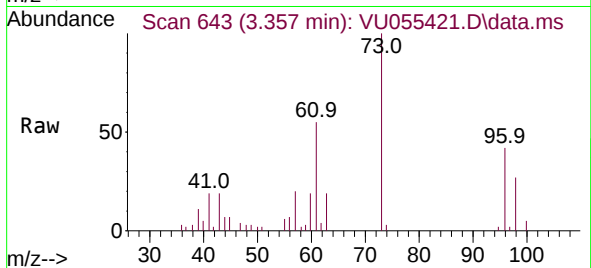
Tgt Ion: 96 Resp: 88958
 Ion Ratio Lower Upper
 96 100
 61 169.0 114.5 212.7
 63 144.7 98.3 182.5



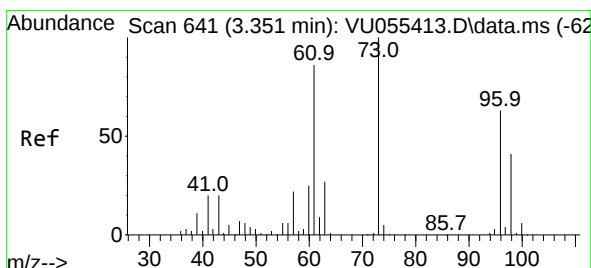
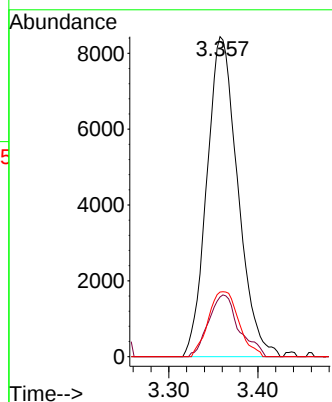
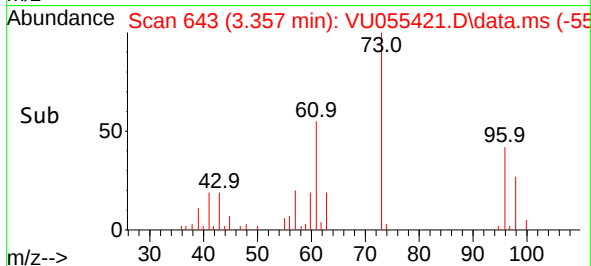


#17
Methyl tert-butyl Ether
Concen: 0.537 ug/L
RT: 3.357 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

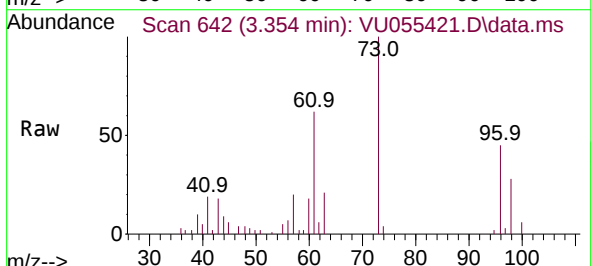
Instrument :
MSVOA_U
ClientSampleId :



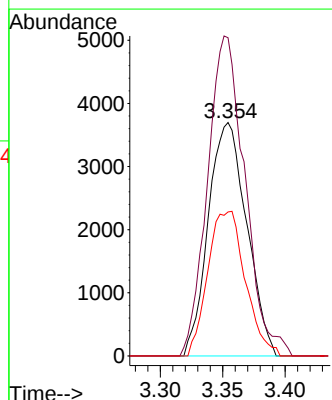
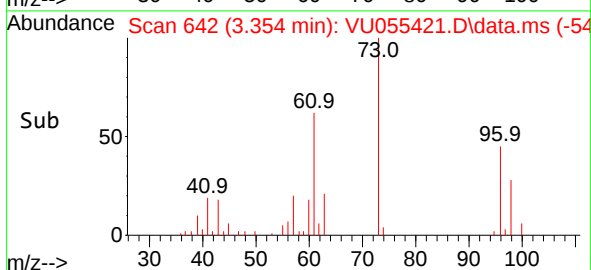
Tgt Ion: 73 Resp: 20353
Ion Ratio Lower Upper
73 100
43 18.9 14.9 22.3
57 20.0 17.3 25.9

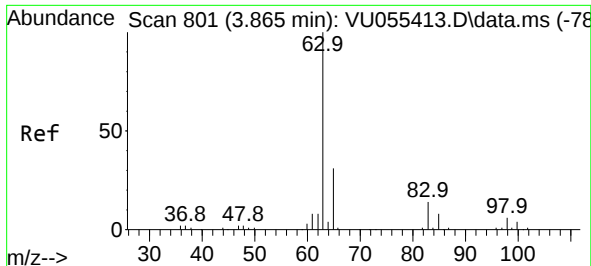


#18
trans-1,2-Dichloroethene
Concen: 0.450 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32



Tgt Ion: 96 Resp: 7931
Ion Ratio Lower Upper
96 100
61 136.4 94.6 175.6
98 61.7 45.7 84.9





#19

1,1-Dichloroethane

Concen: 1.472 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU055421.D

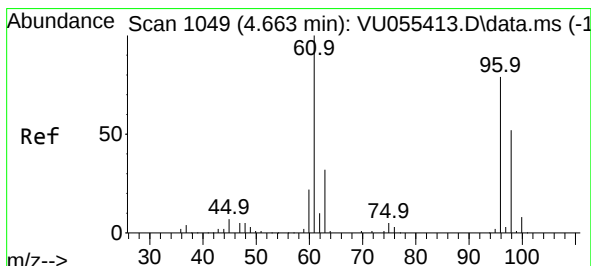
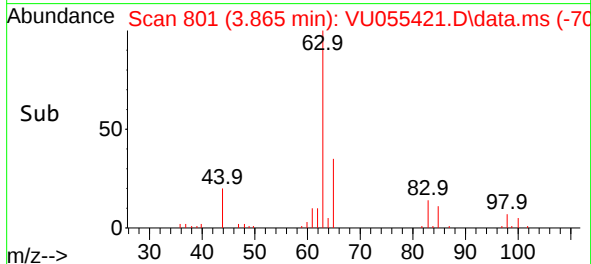
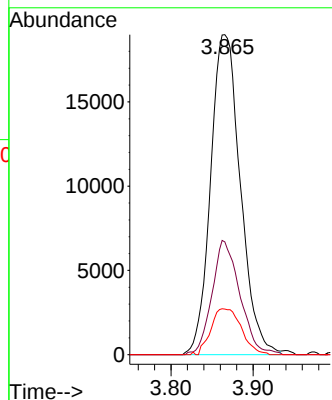
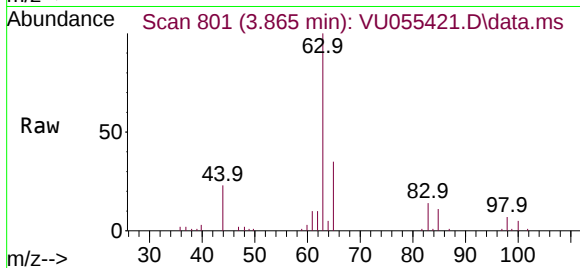
Acq: 20 Sep 2023 13:32

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 47940
Ion Ratio	Lower Upper
63 100	
65 35.2	22.0 41.0
83 14.3	10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 90.067 ug/L

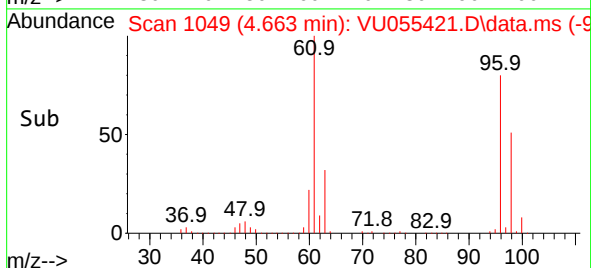
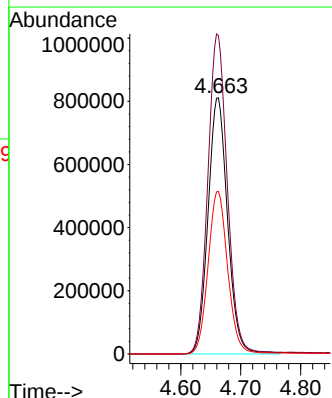
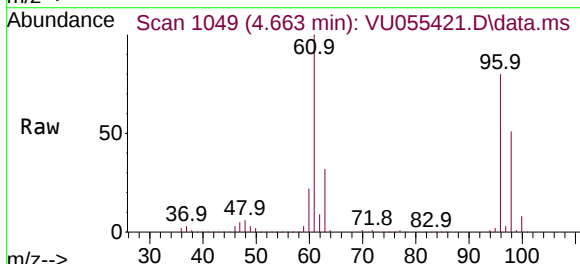
RT: 4.663 min Scan# 1049

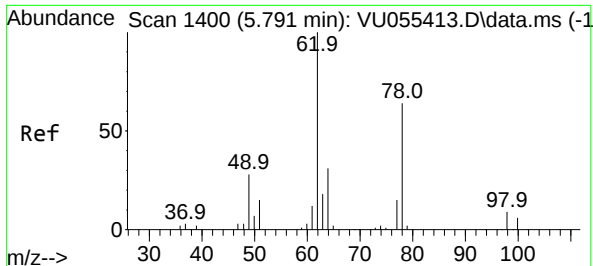
Delta R.T. -0.000 min

Lab File: VU055421.D

Acq: 20 Sep 2023 13:32

Tgt Ion: 96		Resp: 1839011	
Ion	Ratio	Lower	Upper
96	100		
61	124.3	87.8	163.2
98	63.4	44.4	82.4

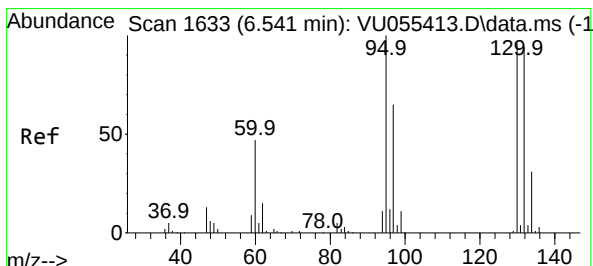
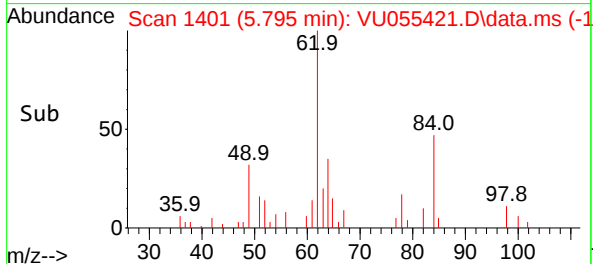
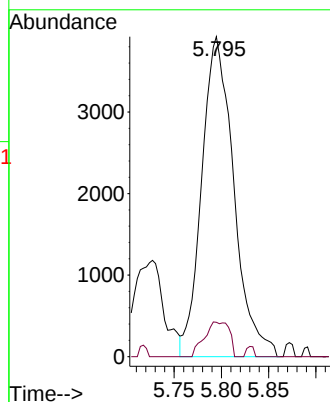
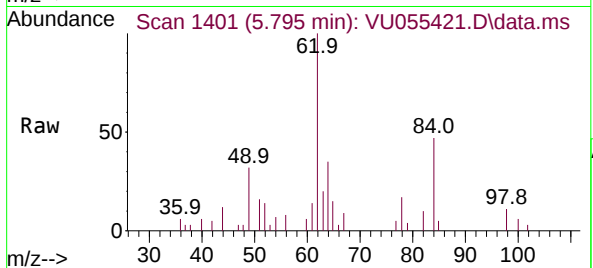




#27
1,2-Dichloroethane
Concen: 0.437 ug/L
RT: 5.795 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

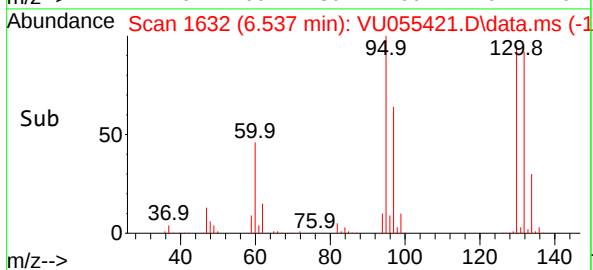
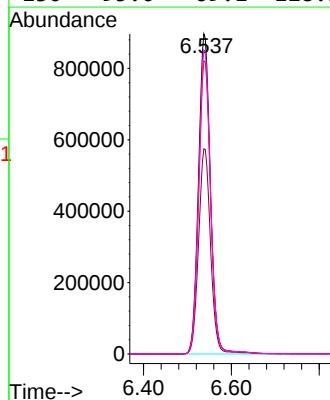
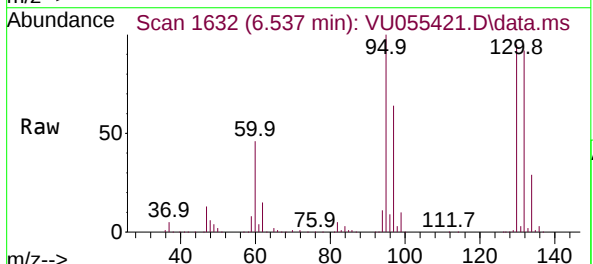
Instrument :
MSVOA_U
ClientSampleId :

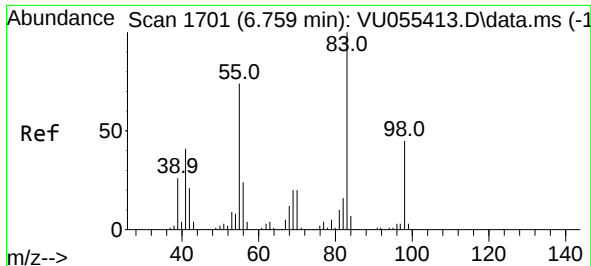
Tgt Ion: 62 Resp: 9244
Ion Ratio Lower Upper
62 100
98 10.8 7.0 10.4#



#34
Trichloroethene
Concen: 81.573 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.003 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

Tgt Ion: 95 Resp: 1696813
Ion Ratio Lower Upper
95 100
97 64.1 45.4 84.2
132 91.6 65.2 121.2
130 95.0 69.1 128.3

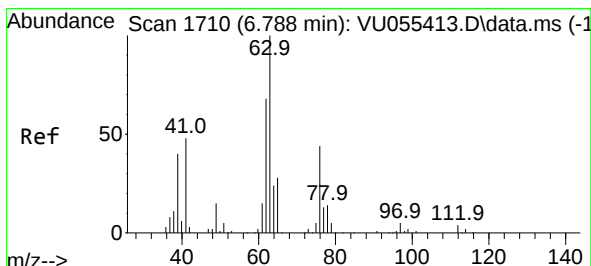
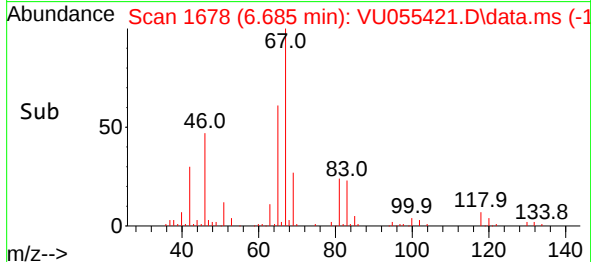
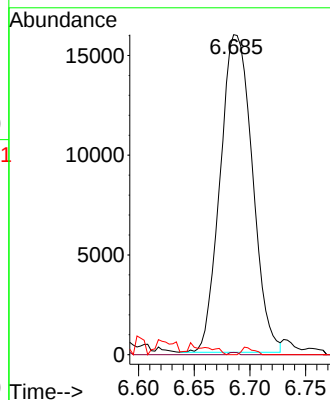
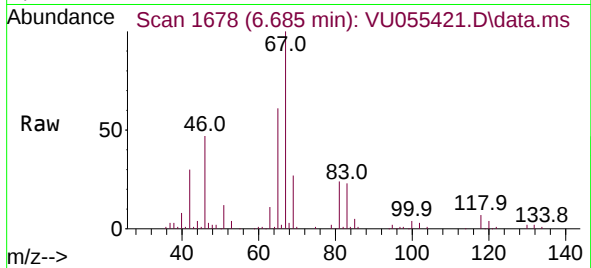




#35
Methylcyclohexane
Concen: 1.069 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

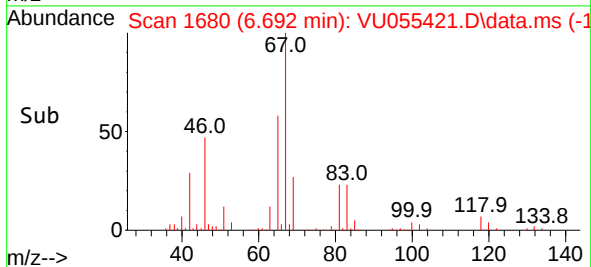
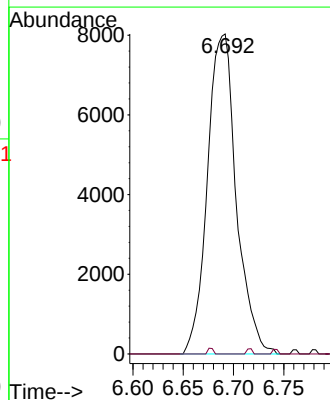
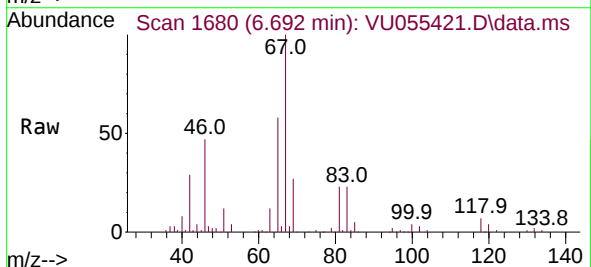
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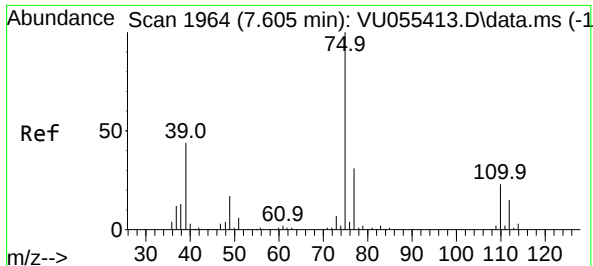
Tgt Ion: 83 Resp: 32034
Ion Ratio Lower Upper
83 100
55 0.2 59.1 88.7#
98 0.0 36.3 54.5#



#37
1,2-Dichloropropane
Concen: 0.835 ug/L
RT: 6.692 min Scan# 1680
Delta R.T. -0.096 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

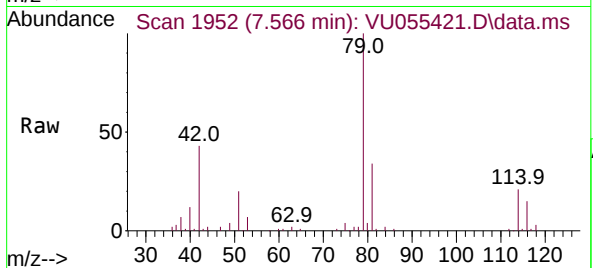
Tgt Ion: 63 Resp: 16068
Ion Ratio Lower Upper
63 100
112 0.3 3.0 4.6#



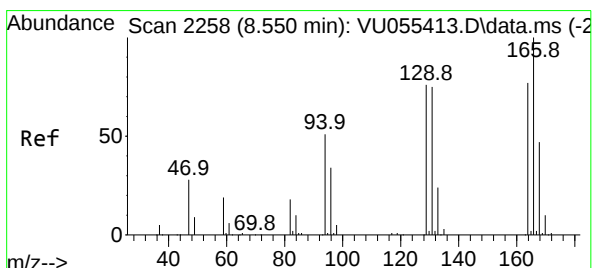
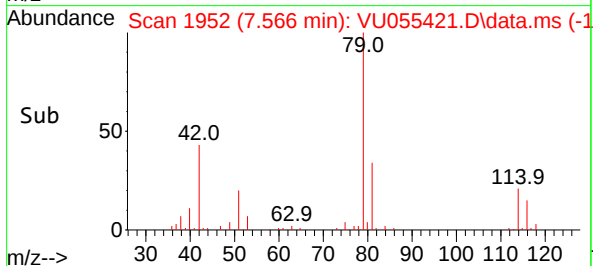
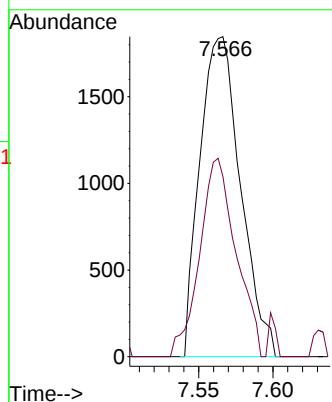


#39
 cis-1,3-Dichloropropene
 Concen: 0.137 ug/L
 RT: 7.566 min Scan# 1964
 Delta R.T. -0.039 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

Instrument :
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 ClientSampleId :

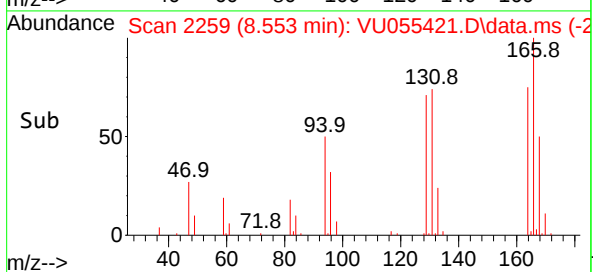
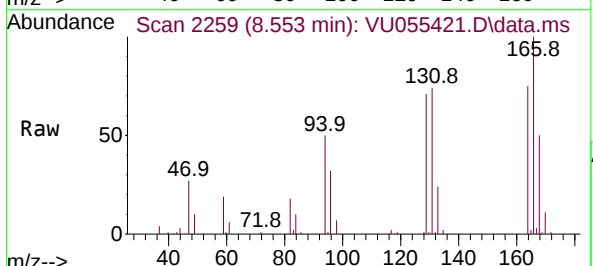
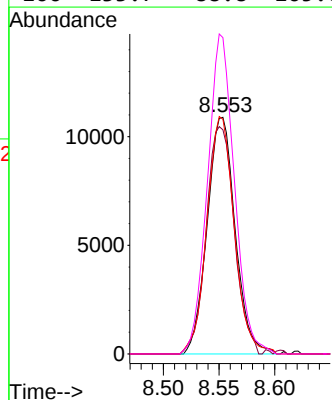


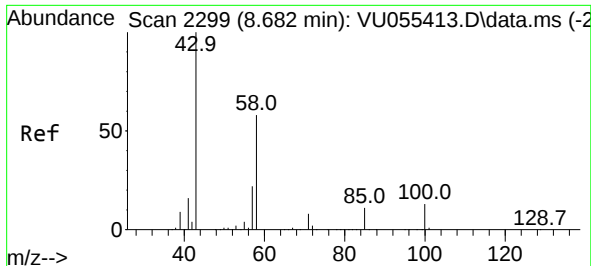
Tgt Ion: 75 Resp: 3519
 Ion Ratio Lower Upper
 75 100
 77 56.3 21.6 40.2#



#47
 Tetrachloroethene
 Concen: 1.277 ug/L
 RT: 8.553 min Scan# 2259
 Delta R.T. 0.003 min
 Lab File: VU055421.D
 Acq: 20 Sep 2023 13:32

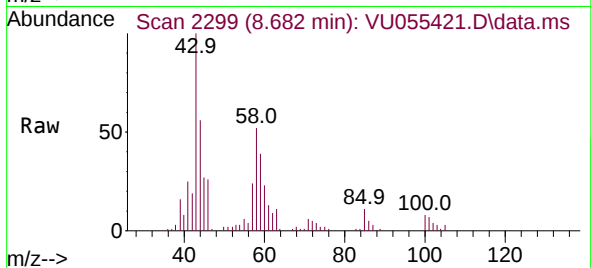
Tgt Ion: 164 Resp: 19058
 Ion Ratio Lower Upper
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 129 94.7 67.4 125.2
 131 99.1 66.4 123.2
 166 133.7 88.8 165.0



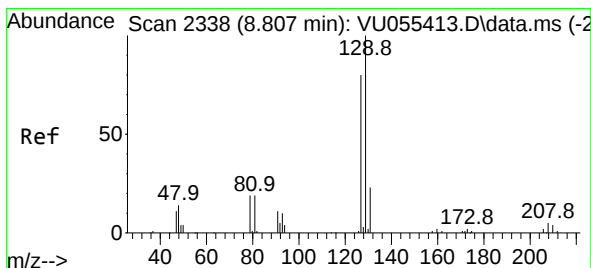
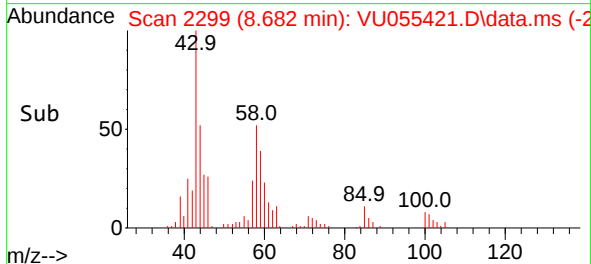
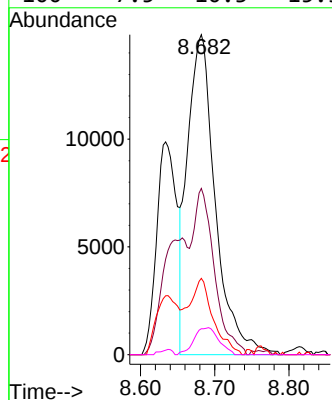


#48
2-Hexanone
Concen: 5.709 ug/L
RT: 8.682 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

Instrument :
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Tgt Ion: 43 Resp: 38603
Ion Ratio Lower Upper
43 100
58 39.5 48.5 72.7#
57 18.4 17.0 25.4
100 7.5 10.3 15.5#



#49
Dibromochloromethane
Concen: 1.294 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. -0.257 min
Lab File: VU055421.D
Acq: 20 Sep 2023 13:32

Tgt Ion:129 Resp: 18292
Ion Ratio Lower Upper
129 100
127 0.0 56.8 105.6#

