

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100323\
 Data File : VU055638.D
 Acq On : 03 Oct 2023 14:05
 Operator : MD/SY
 Sample : 04679-26DL 100X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 04 04:42:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091923WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Oct 04 04:40:48 2023
 Response via : Initial Calibration

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

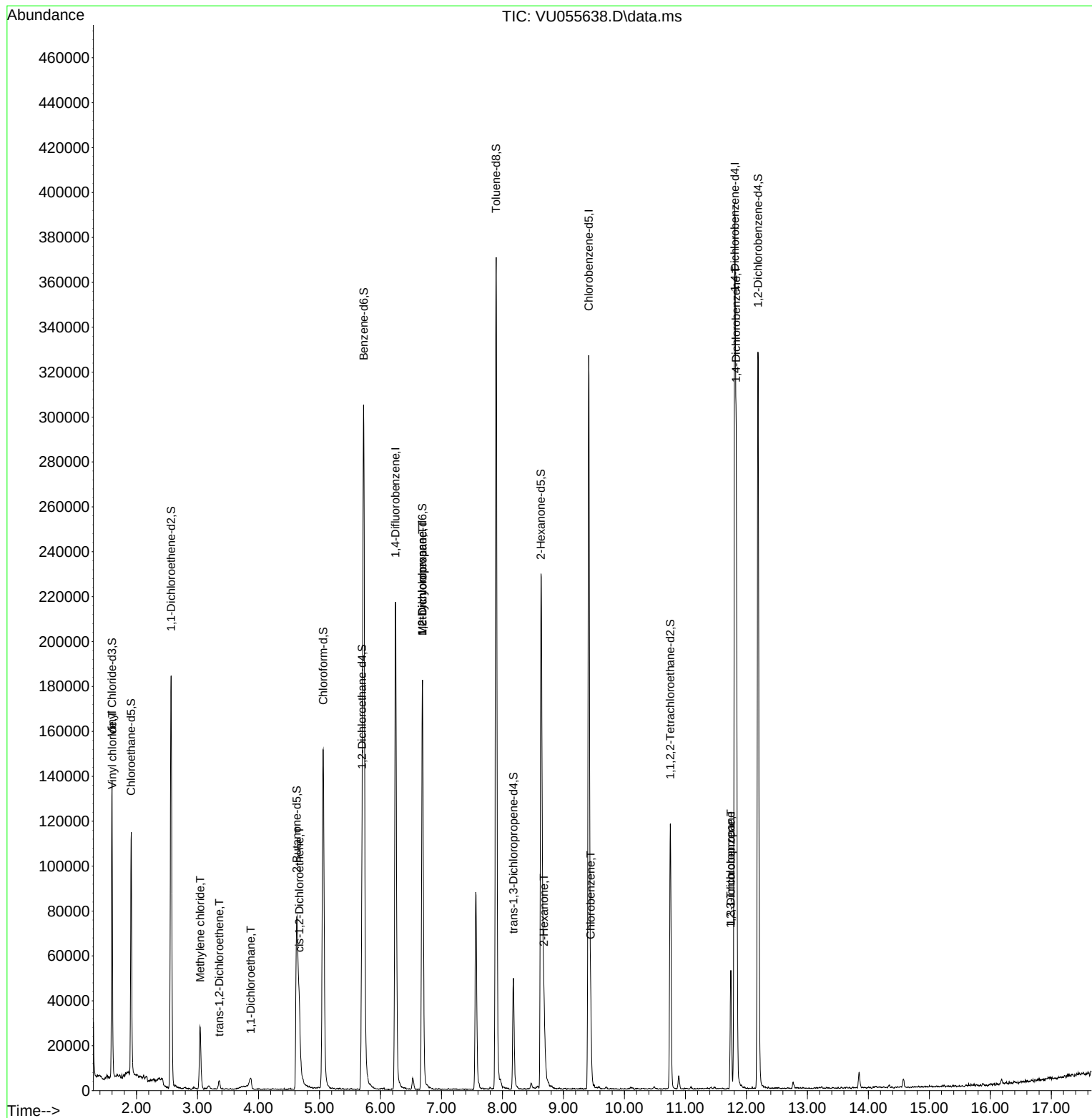
Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	178028	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	185893	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	99000	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	88469	4.917	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.400%
7) Chloroethane-d5	1.911	69	74029	4.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.400%
11) 1,1-Dichloroethene-d2	2.566	65	34183	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.627	46	130030	40.009	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.020%
24) Chloroform-d	5.061	84	142656	4.383	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.600%
26) 1,2-Dichloroethane-d4	5.698	65	68249	4.360	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
32) Benzene-d6	5.724	84	294366	4.527	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.600%
36) 1,2-Dichloropropane-d6	6.688	67	88308	4.546	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.897	98	255830	4.317	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.400%
43) trans-1,3-Dichloroprop...	8.180	79	29856	4.379	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.600%
46) 2-Hexanone-d5	8.630	63	73600	35.491	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.980%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	59106	4.060	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	88385	4.423	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.400%
Target Compounds						Qvalue
5) Vinyl chloride	1.602	62	2163	0.131	ug/L #	7
16) Methylene chloride	3.042	84	12249	0.821	ug/L	88
18) trans-1,2-Dichloroethene	3.357	96	1403	0.112	ug/L #	91
19) 1,1-Dichloroethane	3.872	63	5393	0.232	ug/L #	88
22) cis-1,2-Dichloroethene	4.669	96	12037	0.828	ug/L	99
35) Methylcyclohexane	6.688	83	20119	0.923	ug/L #	20
37) 1,2-Dichloropropane	6.688	63	9756	0.697	ug/L #	88
48) 2-Hexanone	8.682	43	15513	3.154	ug/L #	87
51) Chlorobenzene	9.447	112	16860	0.461	ug/L	97
61) 1,2,3-Trichloropropane	11.743	75	7400	0.958	ug/L #	47
64) 1,3-Dichlorobenzene	11.746	146	20495	0.750	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	103623	3.795	ug/L	99

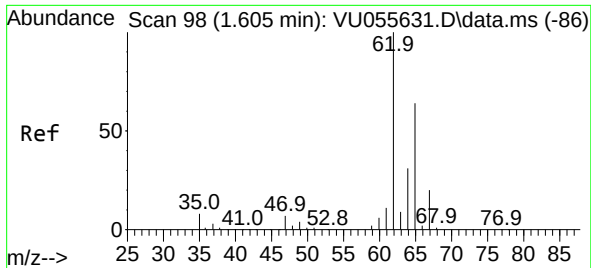
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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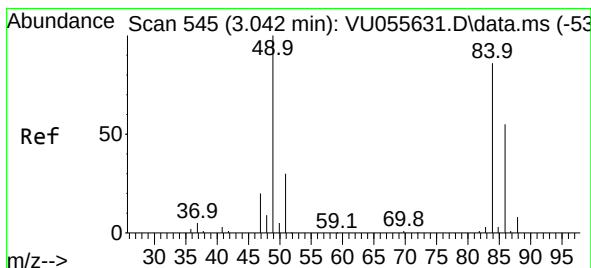
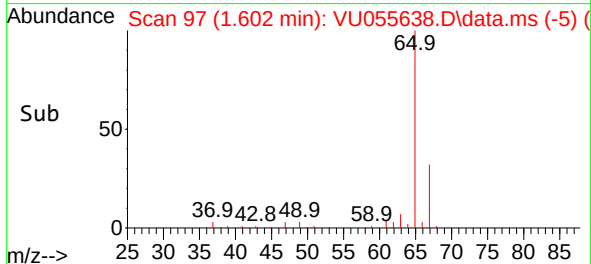
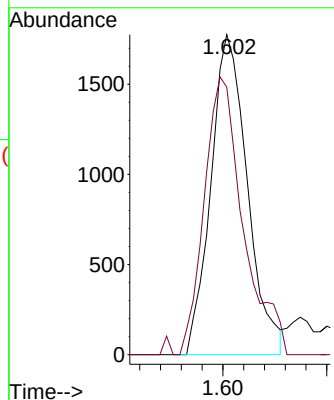
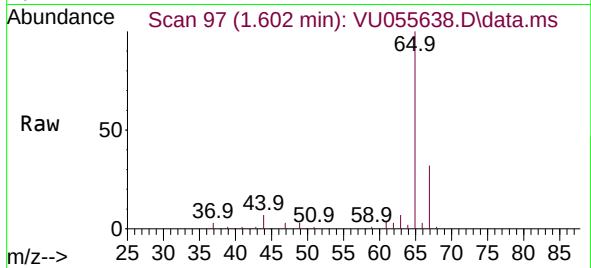




#5
 Vinyl chloride
 Concen: 0.131 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.003 min
 Lab File: VU055638.D
 Acq: 03 Oct 2023 14:05

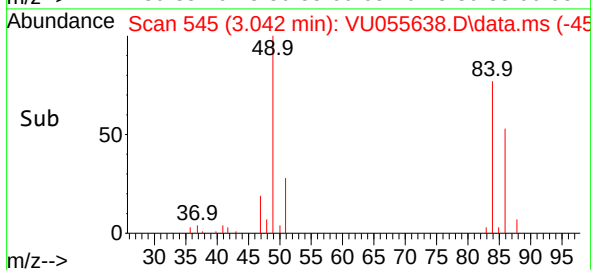
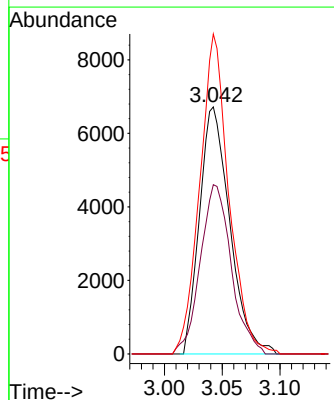
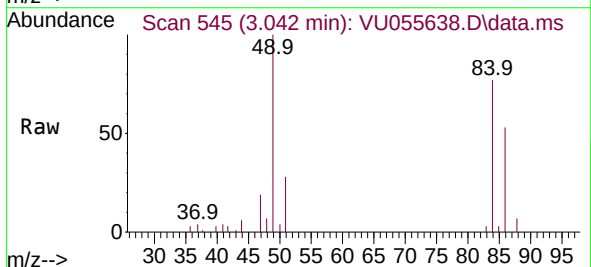
Instrument :
 MSVOA_U
 ClientSampleId :

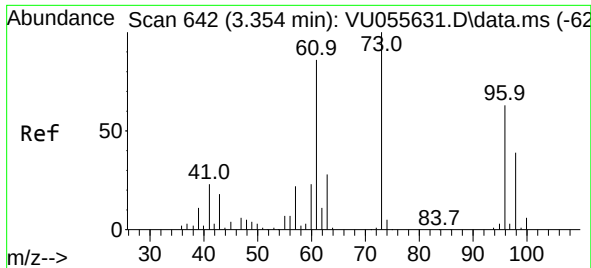
Tgt Ion: 62 Resp: 2163
 Ion Ratio Lower Upper
 62 100
 64 83.6 22.3 41.5#



#16
 Methylene chloride
 Concen: 0.821 ug/L
 RT: 3.042 min Scan# 545
 Delta R.T. 0.000 min
 Lab File: VU055638.D
 Acq: 03 Oct 2023 14:05

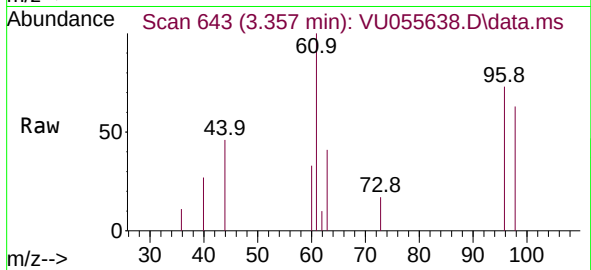
Tgt Ion: 84 Resp: 12249
 Ion Ratio Lower Upper
 84 100
 86 68.6 44.9 83.3
 49 129.6 78.8 146.3



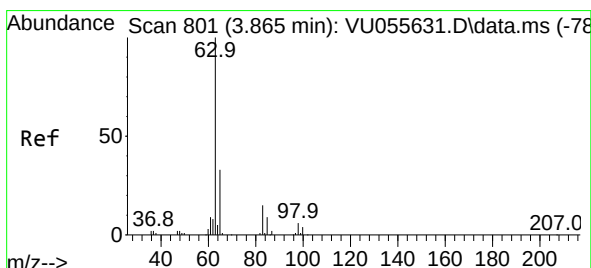
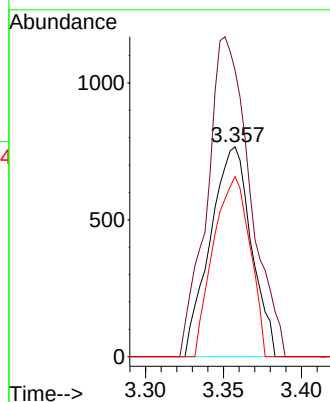
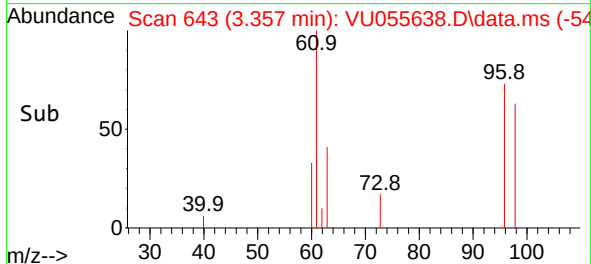


#18
trans-1,2-Dichloroethene
Concen: 0.112 ug/L
RT: 3.357 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05

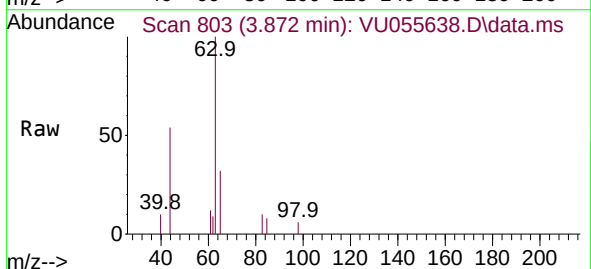
Instrument :
MSVOA_U
ClientSampleId :



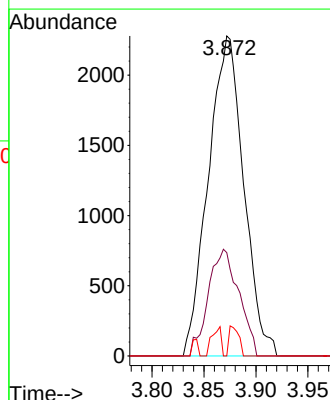
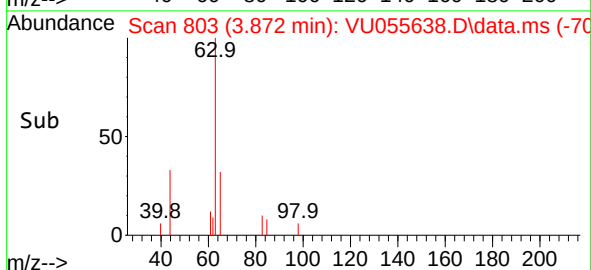
Tgt Ion: 96 Resp: 1403
Ion Ratio Lower Upper
96 100
61 136.4 94.6 175.6
98 85.8 45.7 84.9#

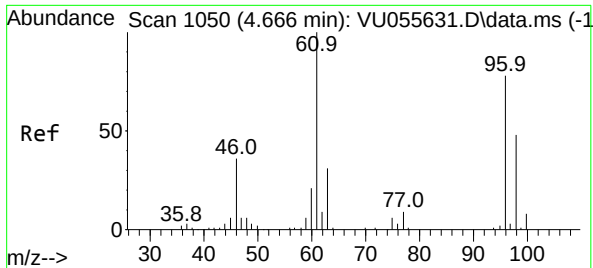


#19
1,1-Dichloroethane
Concen: 0.232 ug/L
RT: 3.872 min Scan# 803
Delta R.T. 0.006 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05



Tgt Ion: 63 Resp: 5393
Ion Ratio Lower Upper
63 100
65 32.3 22.0 41.0
83 0.0 10.1 18.9#

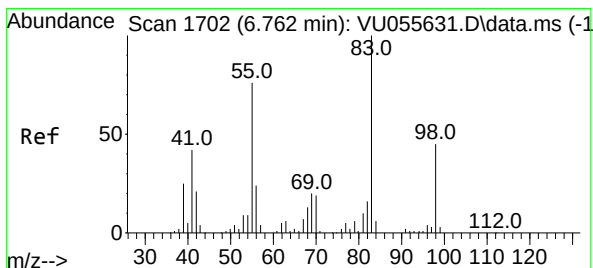
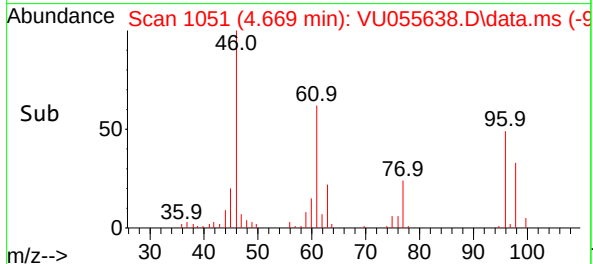
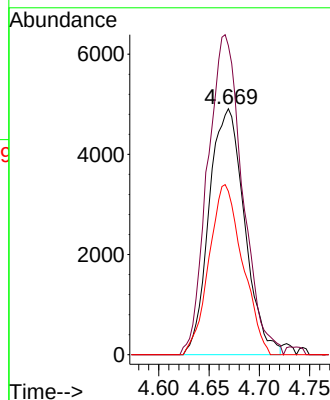
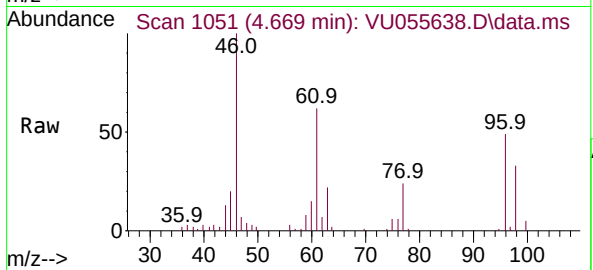




#22
 cis-1,2-Dichloroethene
 Concen: 0.828 ug/L
 RT: 4.669 min Scan# 1051
 Delta R.T. 0.003 min
 Lab File: VU055638.D
 Acq: 03 Oct 2023 14:05

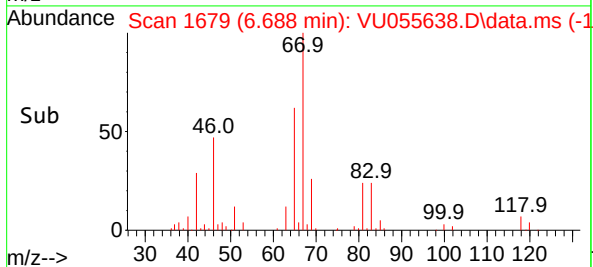
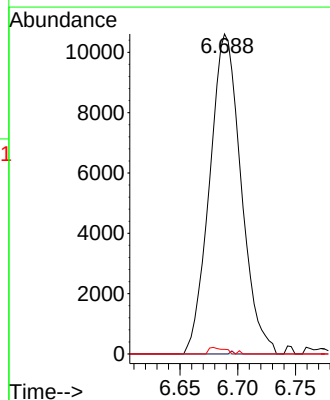
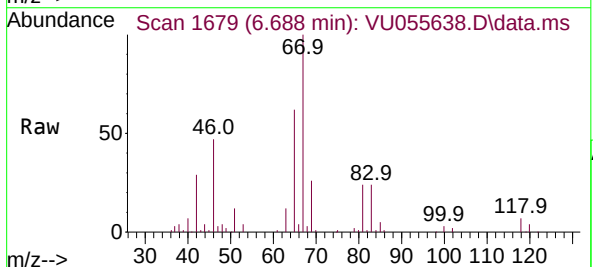
Instrument :
 MSVOA_U
 ClientSampleId :

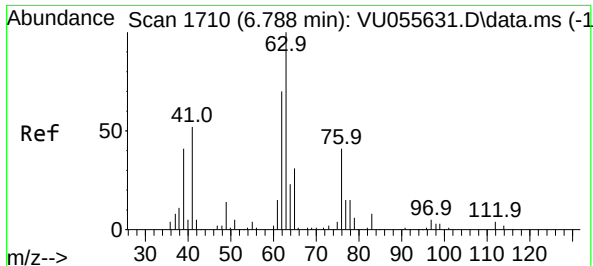
Tgt Ion: 96 Resp: 12037
 Ion Ratio Lower Upper
 96 100
 61 125.6 87.8 163.2
 98 66.4 44.4 82.4



#35
 Methylcyclohexane
 Concen: 0.923 ug/L
 RT: 6.688 min Scan# 1679
 Delta R.T. -0.074 min
 Lab File: VU055638.D
 Acq: 03 Oct 2023 14:05

Tgt Ion: 83 Resp: 20119
 Ion Ratio Lower Upper
 83 100
 55 0.1 59.1 88.7#
 98 0.1 36.3 54.5#

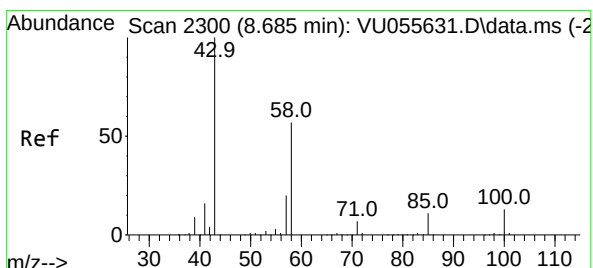
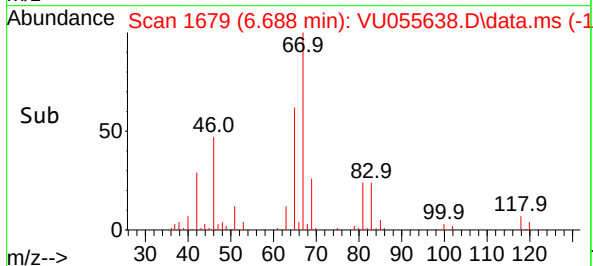
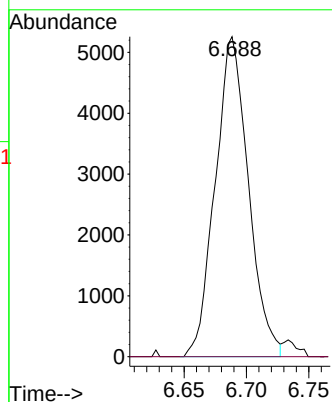
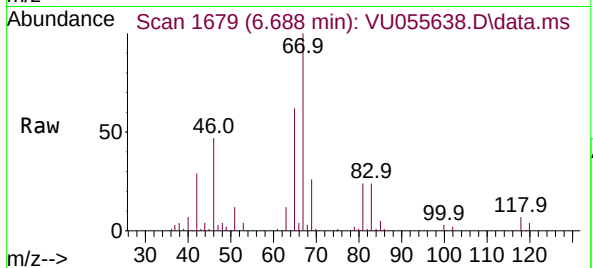




#37
1,2-Dichloropropane
Concen: 0.697 ug/L
RT: 6.688 min Scan# 11
Delta R.T. -0.100 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05

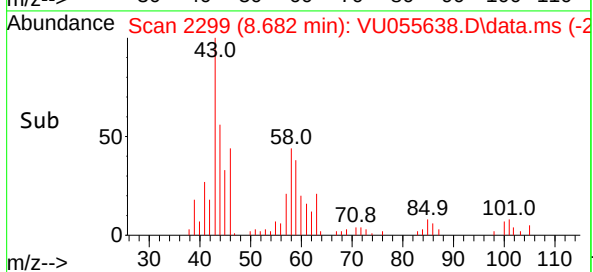
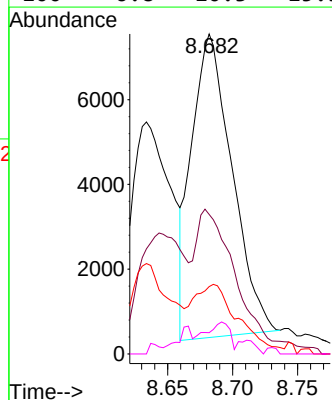
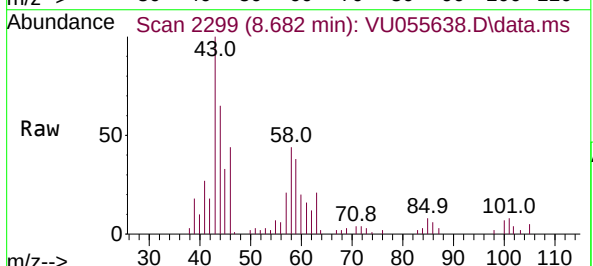
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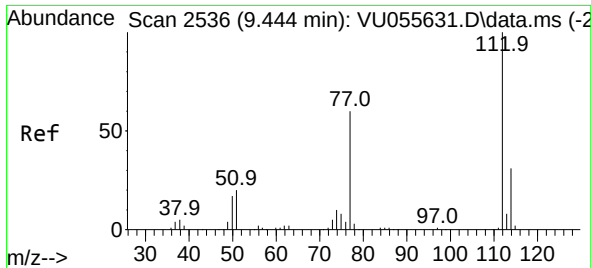
Tgt Ion: 63 Resp: 9756
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6#



#48
2-Hexanone
Concen: 3.154 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. -0.003 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05

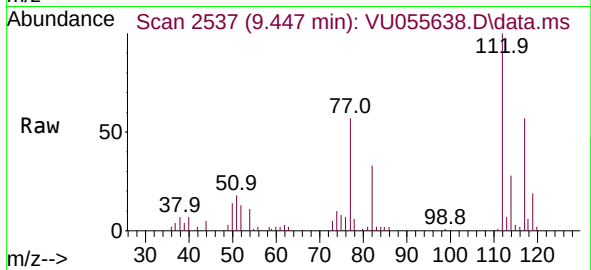
Tgt Ion: 43 Resp: 15513
Ion Ratio Lower Upper
43 100
58 50.4 48.5 72.7
57 25.9 17.0 25.4#
100 6.8 10.3 15.5#



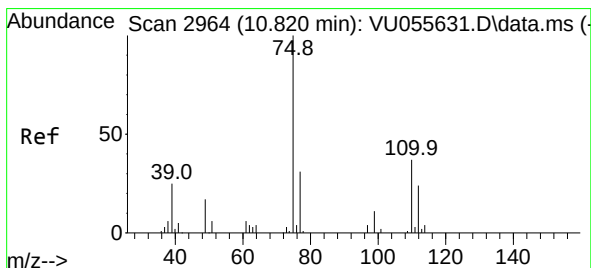
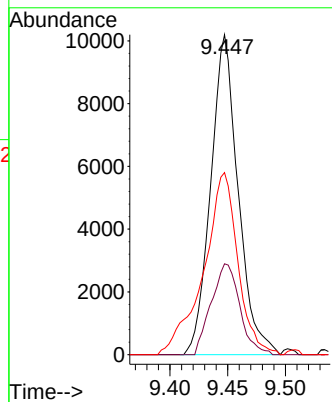
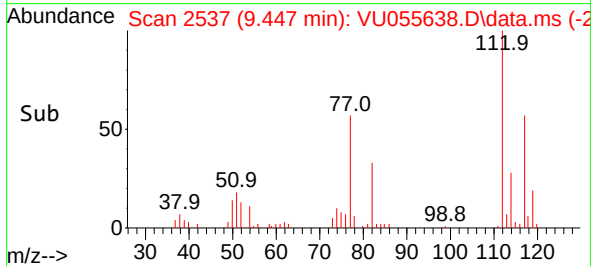


#51
Chlorobenzene
Concen: 0.461 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05

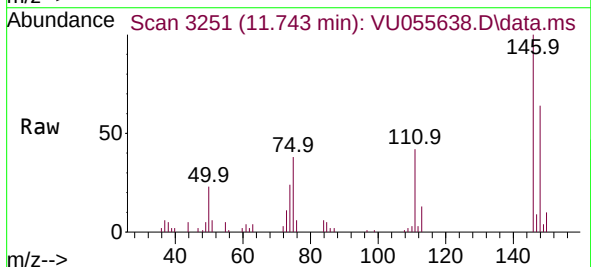
Instrument :
MSVOA_U
ClientSampleId :



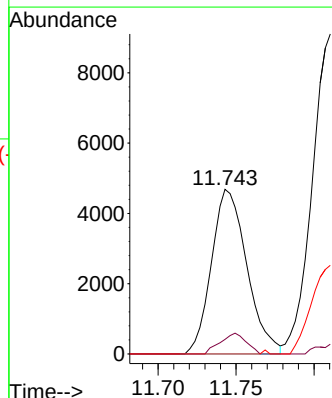
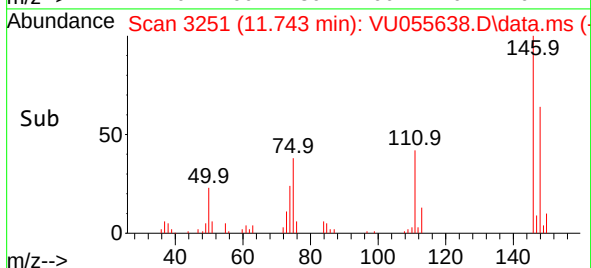
Tgt Ion:112 Resp: 16860
Ion Ratio Lower Upper
112 100
114 28.4 22.0 40.8
77 56.9 46.9 70.3

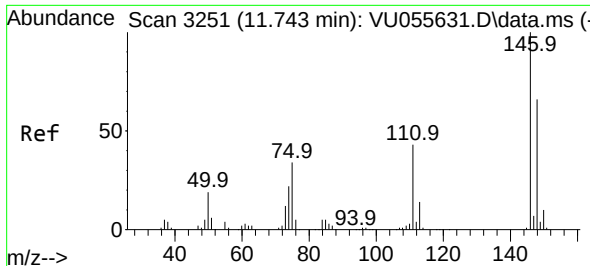


#61
1,2,3-Trichloropropane
Concen: 0.958 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.923 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05



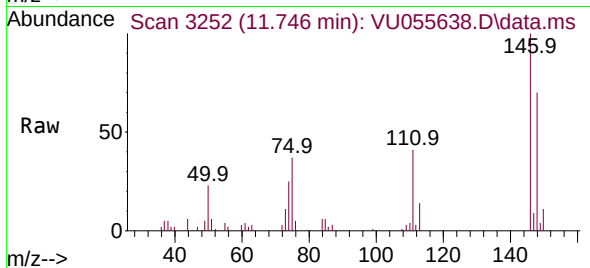
Tgt Ion: 75 Resp: 7400
Ion Ratio Lower Upper
75 100
110 9.2 30.6 45.8#
77 0.0 26.7 40.1#



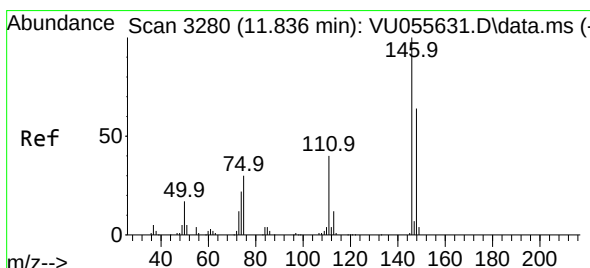
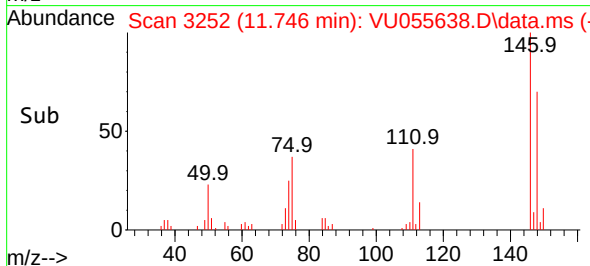
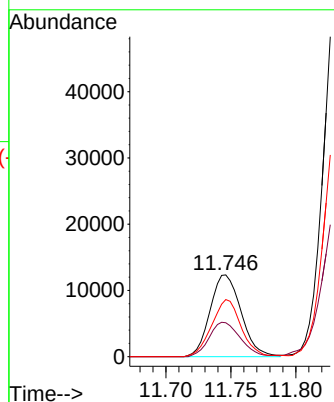


#64
1,3-Dichlorobenzene
Concen: 0.750 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:146 Resp: 20495
Ion Ratio Lower Upper
146 100
111 41.5 28.8 53.6
148 69.8 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 3.795 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.003 min
Lab File: VU055638.D
Acq: 03 Oct 2023 14:05

Tgt Ion:146 Resp: 103623
Ion Ratio Lower Upper
146 100
111 40.1 29.0 53.8
148 64.6 45.4 84.4

